

GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIRECTOR GENERAL
WEST BENGAL FIRE & EMERGENCY SERVICES
13 D Mirza Ghalib Street, Kolkata-700 016 ng a petrol pump was shown on the eastern side of the project which is not BHARAT SANCHAR NIGAM LIMITED MeetingDate 05/03/2019 Total No of Cases: 27 reflected in the little

3. 1. On Plan Drawing a petrol pump was shown on the eastern side of the project which is (A Gove. of India Enterprise)
Office of the Chief General Manager, Eastern Telecom Projects 2/5A, Judges Court Road, Alipore, Kolkata - 700 02 2. Detail plan of petrol pump is required along with area statement. 3. No driveway has been provided below refuge area on the northern side of the project. 4: Insufficient width of Internal driveway i.r.o. height of building i.e 62.42 mtrs.

5. Capacity of underground water reservoir and Overhead water reservoir for fire lighting DATE: 20/01/2020 purpose shall have to be shown properly as per provision of NBC-IV, 2016, The Director ItemNo 279/18-19 Br 12 Ward 107 PremisesNo 385, Santi Pally 6. Pressurization of lift & lift lobby shall have to be created on both basements. Fire Prevention Wing, 7. Basement staircase shall have to be made with mechanically ventilated, pressurized and No-G/MWC/1-150/T.B/2018-19/Cat-3/Vol-11/04 (309) Dated at Kolkata 03-08-2018 West Bengal Fire & Emergency Services. his is a proposal for sanction of two block of B+G+XVII storied assembly building (guest house) of cight 59,50 meter and a petrol pump with single storied ancillary building of height 4.05 meter under section 393A of the KMC Act, 1980. Area of the plot is 2260.869 Sq.M. 8-widths of the abutting Sub: NOC for Microwave clearance of height of the proposed assembly building. 4. GENERAL RECOMMENDATIONS: certion 1993.4 the KMC Act, 1990. Are of the plot is 22t coals are 76.20 meter and 3.65 meter.

Name of Architect: Malay Kumar Ghosh, CA/92/14854

Name of ESE: Koushik Sengupta, 1/76

Name of ESE: Bibek Bikash Mullick, 1/75/7

Name of GTE: Alok Roy, 1/11 1Fire safety measures for Cur parking facilities of this building shall be made as per provision PALLAB GUPTA there is no physical obstruction to the working BSNL Microwave System from the proposed assembly building, as per drawing supplied with your application. Therefore, NOC for Microwave clearance for your project having following particulars is hereby issued. 385, SHANTIPALLY of Annex - H of N. B. C. - Part_IV, 2016. Baisnabghata Patuli F. S., Kasba, 2Fire License shall have to be obtained for proposed storing and processing with L.P.G. and Kolkata - 700107. Name of Applicant : Pallab Gupta (Lessee), KMDA (Lessor) Name of the Project: Assembly building Total Proposed Gross Floor Area: 7865.535 Sq.M.
Exempted Area: 1317.11 Sq.M.
NOV / Observation Submitted: WBF&ES (vide no. IND/WB/FES/20172018/718 dated 13/12/2017 – to be revised). Act (Scif. 85.00 meter from AMSL, site elevation 6.50 meter, Grid T-19), BSNL (70.0 meter vide no G/MWC/1-150/T.B/2018-19/Cat-3/Vol-I/V04(309) dated 03/08/2018) Sub :Revised Fire Safety Recommendation for a proposed construction of B + G + 17 Premises No. 385, Shanitpally, Ward No. 107, Borough-XII, Under KMC, Kolkata-700107. storied under group Assembly Building at the premises No.-385, SHANTIPALLY, . 3Disposable type B. A. Musk to be kept always for emergency fire situation. 70.0M (Seventy Point Zero meters only) above ground Level including lift machine room and water tank on the roof top. 4Fire Notice for Fire Fighting and evacuation from the building shall be prepared and be This is in reference to your Application No. IND/WB/FES/20172018/718,dated 20/01/2020, displayed at all vulnerable places of the building. The plan proposal has been examined in the Building Committee in detail.

Applicant has to obtain fresh observation from five department before generation of demand for fees regarding the Fire Safety Measure for a proposed construction of B + G + 17 storied under One set of drawings, duly signed is returned herewith. Any change/alteration/Modification in the drawings with respect to upward revision of height and/or shifting of Building Footprint is not permissible and will constitute an actionable with NOC Building Footprint is not permissible and will constitute an actionable group Assembly Building at the premises No.- 385, SHANTIPALLY, Kasba, Kolkata -5Floor numbers and directional sign of escape route shall be displayed prominently. 6The occupancy and security staff shall be conversant with installed Fire Fighling The plan submitted by you was scrutinized and marked as found necessary from Fire Safety There is no violation of building rules, as such. equipments of the building and to operate in the event of Fire and Testing. point of view. In returning one set of plan with recommendation, this is issuing Revised Fire Safety Recommendation in favour of the aforesald building subject to the compliance of the 7Arrangement 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 following fire safety measure. K. P. (TRAFFIC) W.B.F. & E.S. K. M. D. A. 8A crew of trained Fireman under experienced officer shall be maintained round the clock for safety of the building. 1. FIRST AID FIRE FIGHTING SYSTEM: Emergency Services certifying about the satisfactory services, performance of all the Life and First Ald Fire fighting arrangement in the style of placing suitable type of portable Fire 9Mock Fire practice and evacuation drill shall be performed periodically with participation of Fire Safety arrangements and Installation of the building. Extinguishers, Fire Buckets etc. in all floors and vulnerable locations of the premises shall be - all occupants of building. On compliance of all the above Fire and Life safety recommendations, the Director General, made in accordance with I.S. 2190 - 1992. . . . 10Each year a certificate is to be obtained from the Director General, West Bengal Fire & ... 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 4. Hooter will be sounded in such a menner so that an operation of a Detector or Manual Call Point Hooters will sounded on the sattle floor and immediate alternate floor. 10. WATER LAYOUT SYSTEM: 1The buildings shall be provided with Wet Riser of 150 mm. internal diameters Pipe Line with N.B.: Any deviation and changes the nature of use of the building in respect of the approved provision of landing valves at the Staircase landings / half landings at the rate of one such plan drawing, without obtaining prior permission from this office, this Fire Safety riser for 1000 Sq.m. of floor area. The system shall be so designed that shall be kept charged Recommendation shall be treated as cancelled. with Water all the time under pressure and capable to discharge 2280 lts/min. at the ground Public address system along with Tall: back facility linked between all floors and Control 5. AIR CONDITIONING SYSTEM (IF ANY): floor level outlet and minimum 900 lts/min. at the top most and furthest outlet. In both cases 11. The air handling units shall be separation for each floor, and air ducts for every floor shall Room shall have to be established. the running pressure shall not be less than 3.5 Kgs/Sq.cm. All other requirements shall 1.The A.H.U. shall be separated for each floor with the system Air Ducts for individual floors. 7. ELECTRICAL INSTALLATION & DISTRIBUTION: be separated and in no way interconnected with the ducting of any other floor. the electrical Installation including transformers, Switch Gears, f Meters etc. and the distribution system of the premises shall be made satisfying the code of 12.If the air handling units serve more than 1 floor, the recommendation given above shall be 2Provision for Hose Reel units on swivelling drum in conjunction with Wet Riser shall be practice for Fire safety in general building as laid down in i.S. specification 1946 – 1982. dampers in the Air Conditioning system. complied with in addition to the conditions given below:-3. The system of auto shut down of A.H.U. shall be incorporated with the auto detection and made near each lading valves. 2The vertical & horizontal ducts shall be sealed at all floor level by fire resisting materials. a.Proper arrangements by way of automatic Fire dampers working on fuse able link for 3Yard Hydrant / Ring Main Hydrant with provision of adequate numbers Pillar type Hydrant 4. The air handling units room shall not be used for storage of any combustible materials. isolating all ducting at every floor from the main riser shall be made. shall be installed surrounding the buildings in accordance with relevant I.S. specifications. 3The electrical installation shall be adequately protected with automatic fire detection and suppression system as per provision of N. B. C. - Part - IV. 2016 and relevant I, S. b. When the automatic Fire alarm operates the respective air handling units of the air 1.Underground water reservoir having capacity of 150,000 (1.5 Lac) itrs for exclusively 5. Escape route like staircase, common corridors, lift lobby etc. shall not be used as return air conditioning system shall automatically switched off. firefighting purpose of the Building shall have to be provided. Overhead reservoir on the South Side stair head room shall be dedicated for Firolighting 4Alternative Power Supply: 13. The vertical shaft for treated fresh air shall be of masonry construction. 6. Wherever the ducts pass through Fire wall of floors, the opening a rounding the ducts shall Arrangements shall have to be made to supply power with the help of a generator to operate 3.The water reservoirs shall have to be kept full at all time and also have overflow be sealed with Fire resisting materials such as asbestos rope vermiculite concrete etc. at least the Fire Pump, Pump for deep Tube-well, Fire Detection and Alarm System, signage 14. The air filters for air handling units shall be of non-combustible materials. аптаngement with the domestic water reservoirs as well as to avoid stagnancy of water. etc. and also for illuminating the Staircaso, corridors etc, and other places of assembly of the 4.Provision of necessary manhole shall be made on the top of the reservoirs as per 7. The metallic ducts shall be used even for the return air instead of space above the false 15.Inspection panel shall be provided in the main trucking to facility the cleaning of ducts of building in case of normal power failure. 8. SPRINKLER INSTALLATION: accumulated dust and to obtain access for maintenance of fire dampers. 5.Provision of replenishment at the rate of at least 2000 lts./min. from two spate source of The automatic Sprinkler Installation shall be provided in all Basements and in all floor areas 8. The materials used for insulating the duct system (inside or outside) shall be of nonof the building and Gas Bank as per I.S. 99/2 and alarm-gong to be incorporated along with 16.No combustible materials shall be fixed nearer than 15cm to any duct unless such duct 6. The deep tube wells for the replenishment of the reservoirs shall be incorporated with autocombustible materials glass wool shall not be wrapped or secured by any materials of properly enclosed and protected with non-combustible materials (glass wool or Spun wool starting facility with actuation of auto detection and suppression arrangement of the premises and shall also be connected with duel power supply units.

7. Provision of placing Fire Appliances on the underground water reservoir to be made to combustible nature. with neoprene facing enclosed and wrapped with aluminum sheeting) at least 3.2m thick. Provision of the Fire Pump shall have to be made to supply water at the rate-designed And which would not readily conduct heat. 9.Area more than 750 sq. m. on individual floor shall be segregated by a Fire wall and pressure and discharge into the Water based system, which shall be installed in building. 6. DETECTION, ALARM AND SUPPRESSION SYSTEM: automatic fire damper for isolation shall be provided. One such pump shall always be kept on stard-by of diesel driven type. 1.Addressable analogue manually operated Electrical Fire Alarm system with at least two Provision of separate pump for sprinkler system to be made to keep the Water based system numbers of break glass type call boxes fitted with Hooters along with public address system, at each floor connecting with audio, visual panel board shall be made in Control Room. The 10. Air duct services main floor area, corridors etc. shall not pass through the staircase under pressurized condition at all the time and shall be installed. 1.The Basement shall be adequately ventilated with aggregate cross sectional area of not Provision of separate Jockey Pumps shall also have to be made to keep the Water based introl Room shall be located at the entrance of Ground Floor of the building, other less than 2.5% of the area spread evenly round the perimeter of the basement shall be system under pressurized condition at all the time. All the pumps shall be incorporated with requirements of the system shall be made conforming I.S. 2189 – 1988. both manual and auto starting facilities. The suction of pumps shall preferably of positive type shall not exceeds 15.5 M to reach any exit. 2. Auto fire detection system with the help of Heat and smoke detector shall be installed in all 4.All the basements shall be protected with Automatic Sprinkler System along with Hydrants 2.Mechanical smoke venting arrangements shall be provided to all the basements terrace pump with overhead tank, places of below and preferably above false ceiling of the building. The system shall also be The Number and type of fire pumps shall be as per provision of N. B. C. – Part – IV, 2016. forming the relevant I.S. Specification, and Hose Reel Hoses conforming to I.S. 3844-1989. made in places of rooms where valuable articles have been kept. The other requirements of the system shall be made in accordance with I.S. 2189-1988. The exit from the basement shall be form open Air and form any points the travel of 5. The staircase of basement shall be of enclosed type having Fire resistance of not less than 4 hrs. and shall be situated at the periphery of the basement to be entered at ground level 3. The automatic Fire Detection, Alarm and Suppression system shall be made as per only from the open air and in such positions that smoke from any Fire in the basement shall 3.The Interior finish decoration of the building shall be made low flame spread materials provision of N. B. C. - Part -IV, 2016 and relevant I. S. specification. not obstruct any exit having the ground upper floor of the building. 4. Provision of ventilation at the crown of the central core-duct of the building shall be 6.In multi-story basements, intake ducts may serve all basement level, but each basement In the lift shafts, light and fans in the lift cars shall be operated from 24 volts, supply on and basement compartment shall have separate smoke outlet duct or ducts. emergency in case of failure of normal power supply lift shall automatically trip over alternate 7.Mechanical extractors shall have an alternative source of power supply. 5.Arrangements shall have to be made for saaling all the vertical & horizontal ducts by the materials of adequate Fire resisting capacity. oArrangement shall be provided for extraction of smoke in all the lift shaft by incorporation 17. This is in reference to your Application No. IND/WB/FES/20172018/718,dated smoke venting system designed to permit 30 Air changes per hour in case of Fire and shall smoke venting system designed to permit out air changes per nour in case of failure of be of such design as to operate on actuation of Sprinkler or Fire Alarm. In case of failure of Kasba, Kolkata – 700107. 09/08/2019, regarding Revised Fire Safety Recommendation for a proposed construction of 8.Mechanical extractor shall have an internal locking arrangement so that extracting shall continue to operate and supply fans shall stop automatically with the actuation of Fire oExit doors of the lift lobby shall be through a self- closing smoke stop door of at least 2 9. The Lifts rurs towards basement shall be pressurized. A positive pressure of 25 to 30 Pa. The plan submitted by you was scrutinized and marked as found necessary from Fire Safety shall be maintained inside the lift well and lobby. The pressurization shall be maintained point of view. In returning one set of plan with recommendation, this is issuing Revised Fire Safety Recommendation in favour of the aforesaid building subject to the compliance of the oThe speed of the fire lifts in the building shall be such that it can reach the top from the ground floor within 1 minute in visual indications of floor numbers shall incorporated in the lift 1. The Refuge area on calculating the area at the rate of 0.3 m2/ person on the basis of floors area shall be provided on the external wall as cantilever projection or any other suitable 1. Issued Fire Safety Recommendation vide Memo No. INDAVB/FES/20172018/718,dated means at 25.65 mtr. level, 40.9 mtr. level and 56.15 mtr. of the building. 13/12/2017 shall be followed strictly and amendment shall be made as per NBC part-IV, 2. The refuge area shall be of Fire resisting construction and protected with self-closing oAll other requirements shall conform the I.S. specification including the communication facility in the lift cars connecting to the Fire Control Room of the building. F.C.D. at the entrance from the corndor or the staircase lobbies. oThe Lift Lobbies and staircase of basements shall be enclosed type and pressurized as pe 3. The position of refuge Areas shall be such that they are negotiable by the Fire service existing norms and relevant I.S. specification. The Lifts runs towards basements shall be Ladder from the ground floor. pressurized. A positive pressure of 25 to 30 Pa. shall be maintained inside the lift wall and Misses Services looby. The prossurization shall be maintained respectively marked in the par 4/2 the event at top of area not less the majeting home e proposition of the second publishments and conform the relevant building rules as well as perms the access of ty and manoeuvrability of Fire appliance including Aerial Ladders oAll the passenger lifts of the building shall be designed as high speed "Fire Lift". 2. The approach roads, internal road / driveway shall be sufficiently strong to withstand the oThe Electric power shall be from separate supply mains in the building and cables run with 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 5M & 5.5 $\,$ M respecting the abutting road. 16. CONSTRUCTION: 1. The whole construction of the proposed buildings shall be carried out as per approved plan drawings conforming the relevant building rules of local Municipal Body. 2. The floor area exceeds 750m2 shall be suitably compartmented by separation walls up to

Before starting any Construction the The building materials that will be site must conform with the plans sanctioned stacked on Road/Passage or Foot-path and all theconditions as proposed in the plan beyond 3-months or after construction should be fulfilled. of G. Floor, whichever is earlier may be seized forthwith by the K.M.C. at the The validity of the written permission o execute the work is subject to the above cost and risk of the owner. No rain water pipe should be fixed or A suitable pump has to be provided i.e. discharged on Road or Footpath. pumping unfiltered water for the distribution Drainage plan should be submitted at to the flushing cisterns and urinals in the the Borough Executive Engineer's Office building incase unfiltered water from street and the sanction obtained before proceeding with the drainage work. main is not available. Non Commencement of Erection/ Re-Erection within Five year will Design of all Structural Members Require Fresh Application for Sanction including that of the foundation should conform to Standards P.C.NO-2018/20090 . specified in the National Building Code of India DEKATA MUNICIPAL CORPO THE SANCTION IS VALIED UP TO 29-09-2025 Ex. Engineer / Asst. Engineer Bor. No...x2. Bor. No...x2 CONSTRUCTION SITE SHALL BE MAINTAINED TO PREVENT MOSQUITO BREEDING AS REQUIRED U/S 496 (1) & (2) OF CMC ACT 1980. IN SUCH MANNER ASSEMBLY BUILDING SO THAT ALL WATER COLLECTION & PARTICULARLY LIFT WELLS, VATS, BASEMENT CURING SITES, OPEN RECEPTACLES ETC. MUST BE EMPITED COMPLETELY TAICE A WEEK. Necessary steps should be taken for the safety of the lives of the

Plan for Water Supply arrangement including properties during construction. SEMILI G. & O. H. reservoirs should be submitted at the Office of the Ex-Engineer Water Supply and the sanction obtained before proceeding with the work of Water Supply any All Building Materials to necessary deviation may lead to disconnection/demolition. & construction should conform's to standered specified in the National Building Code of India. DEVIATION WOULD MEAN DEMOLITION

adjoining public and private

Approved By :.. 05-03-2019 The Building Committee

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No. 2020/8014F Dt. 30-09-2020 Borough No ... Assistant Engineer

celling level having at least two hours Fire resisting capacity.

13. REFUGE AREA: