RAJKOT MUNICIPAL CORPORATION

Smart City

Dr. Ambedkar Bhavan, Dhebar Road
Fire & Emergency Service
RAJKOT – 360 001.

R.M.C.F.E.S.No.NOC.303. **Date:-06-07-2019.**

TO,
Owners Name Shree Maheshbhai Babubhai Kiyada,
One Building Tower,
Location :- Near Patidar Chowk,
Rajkot.

-:: PROPOSED FIRE NOC ::-
Reference No.1.RMC/F.B/NOC/E.No.787, Date:-03-07-2019.

Name of Work :- Commercial Building Plan For Owners Name Shree Maheshbhai Babubhai Kiyada, One Building Tower, Location :- Near Patidar Chowk, Rajkot, Type of Building:-Frame Structure, Use of Building:-Commercial, R.S.No.44, Plot No.66/4, T.P.S.No.16 (Raiya), F.P.No.66/4, O.P.No.66, Area Table:-Total Plot Area=701.00 sq.mt, Height of Building:- 24.99 Mt. Building Floor :- Basement Floor+G.F.+1st To 7th Floor, Terrace Floor, F.S.I Used = 1892.46/ 701.00 sq.mt = 2.6996 < 2.700.

Note:-Fire & Safety measures plan must be submitted before staring the construction work general guidelines are as under.

The proposed building is proposed to be provided with fire protection arrangements such as hose reel House, wet riser, yard hydrant, automatic sprinkler system in basement and manual call point provision at upper floors of Underground water storage tank 1,00,000 liters. & Overhead tank 20,000 liters for Building. Fire Pump 3200 LPM, and head of 50 miters. in each Building ISI standard Silent D.G. set must be meet with requirement of occupier consumptions & Connection of DG should be given to fire fighting pump & ALARM SYSTEM & LIFT of the Building of each block, portable fire Extinguishers installation as per req. Emergency Exit Glow sing, Fire lift Provision etc.
There is no objection to this department for the construction of the said High rise building subject to the compliance of the following fire safety condition.

1. Main entrance shall be adequate width to allow easy access to the fire fighting appliance and in no case it shall measure less than As per GDCR The entrance gates shall fold back against the compound wall of the Promises thus leaving the exterior access way within the plot free for Movement of fire service vehicles. If archway is provided over the main entrance than the height of the archway shall not be less than As per GDCR Access way of As per GDCR Wide all around high rise block shall be of hard surface capable of taking the weight of the fire engine up to 45 tones and always shall be free from every hindrance parking etc. for easy movement of fire/emergency vehicles.

Rajkot Municipal Corporation Fire and Emergency

2. EXIT REQUIREMENTS:- Exit requirements shall meet in accordance with provision as per building bye laws clause 16. Width of the main staircase in building shall not be less than 1.25 m. The treads shall be of non slip type.

3. MEANS OF ESCAPE:- Means of escape / exit shall be a continuous and unobstructed way of exit travel from and shall open towards means of escape which is away from but shall not obstruct the travel along any exit. No door when opened shall reduce the required width of staircase / corridor / passage way. The width of fire escape staircase shall not be less than 100 cms.

4. All exit and exit way marking signs shall be illuminated and wired to independent circuit supplied by alternate source of power supply. Wiring for the illuminated signs must be laid and protected so that it cannot get involved in fire.

5. VENTILATION:- The building shall be provided with adequate ventilation. The provision of lighting and ventilation shall be strictly in accordance with part-VIII Section-I or National building code of India

6. EMERGENCY POWER SUPPLY:- The stand by electric generator shall be installed of adequate cap. to supply power co staircase and corridor lighting circuits, exit signs and fire pump in case of failure of normal electric supply. The generator shall be capable of taking starting current of all the machines and circuit stated above simultaneously and generator must be automatic in action.

7. Non Combustible material shall be used for construction of the building. Raised floors and false ceiling shall also be of non combustible material including structural support members.

8. ELECTRIC WIRING:- The electrical wiring shall be provided in metal conducts. Miniature circuit breaker and earth leakage circuit breaker shall also be installed.

9. STATIC WATER TANK:- An underground static water tank of fighting in the complex as marked on the plans. The replenishment through tube well or from the town main shall be ensured 3200 LPM/ to avoid stagnation of water in static tank the fire tank and passes to a domestic tank. This shall conform part-IV. An additional water storage tank of cap. Shall also be provided on the terrace.

10. STATIONARY FIRE PUMP:- One no. of electrical driven pumping act automatic in operation of LPM cap. Shall be provided at the farthest point. The standby diesel driven pumping set positive suction. The electric connection for fire pump shall be direct from the meter board it shall have no on/off switch in between. The pressure should be maintaining 3.5 k.g. at Top most hydrant's connections.

11. WET RISER:-01-Wet riser shall be provided in the bldg. which shall extend from the basement to the terrace floor. The internal hydrants. The wet riser system and landing valves shall conform to is: code of practice.

12. 01-Way fire brigade inlets shall be provided in the block wet riser.

13. HOSE BOX:- A hose box near each internal hydrant shall be provided comprising of 2 x 15m. Length of 63 mm. rubber lined hose conforming to IS: 903-1984.

14. HOSE REEL:- A hose reel near each internal hydrants containing 30 m. of length of 25 mm. bore terminating into shut off nozzle of 08 mm. Outlet connected directly to down comer shall be provided. This should conform to As per Latest Is:

15. PORTABLE FIRE EXTINGUISHERS: - The portable fire extinguishers of 4kg ABC/DCP and Co2 4.5 kg type shall be provided and marked on the plans. The number of the fire extinguishers may have to be increased later when the layout of the partition etc. in and maintained in accordance with IS: 15683

16. All vertical cable ducts/shafts and electrical niches on various floors of the building must be continuously monitored by fixed temperature heat detectors conforming to BIS Code of practice.

17. AUTOMATIC ALARM SMOKE DETECTOR HEAT DETECTOR GAS DETECTOR:-Should be fixed installation system should be reception to basement, theater banquet area, lobby area of all floor, all Room's per requirement for risk area (i.e.NBC code).

18. SMOKE VENTING SYSTEM:-The system shall be provided in the upper floors of Telephone Exchange building as per relevant code of practice.

19. YARD HYDRANTS: - The yard hydrants shall be provided as proposed in the complex as per specified BIS code of Practice.

20. SPRINKLER INSTALLLATIONS:-Automatic sprinklers shall be installed in the basement building area. Flow alarm switch/gong shall be incorporated in the installation for giving provided near the testing facility. ' The entire system including pump capacity and head size of pipe net work, office size, source of water supply, provided in accordance to relevant code of practice/relevant rules (i.e. as TAC Rules / NFPA Code). Fire Services inlet shall also be provided at ground floor level.

21. MANUAL CALL POINTS:- Manual electrical call points at suitable locations on each floor of building shall be installed conforming to K-II.I.I. Of the unified building bye laws.

22. AIR CONDITIONING SYSTEM:- Following points must be ensured in respect of the air conditioning system :

(A) The ceiling and all its fixtures must be combustible material.

(B) Wherever the ducts pass through walls of floors the opening around the ducts must be sealed with fire resisting material. Air ducts must not pass through the staircase enclosures.

(C) The air filters of the air handing units must be of non combustible material. Air handling units must not be used for storage of any handling material.

(D) Fire dampers shall be provided in the ducts.

(E) Escape routes like staircase, corridors must not be used as return air passage.

23. LIGHTING PROTECTION:-The lighting protection system is conforming to IS: 2309 shall be provided in the building.

24. LIFT GROUNDING SWITCH:-The lifts must be equipped with fireman switch so that it is possible to ground all lifts during a fire emergency. In case of failure of normal supply it shall automatically trip over to the

Alternate supply. Suitable arrangements such as providing slope in the floor of lift lobby shall be made to prevent water during fire fighting etc. at any landing room entering into the lift shaft. All other conditions as laid down in NBC Part - IV (D-1.5) shall also be followed.

25. CONTROL ROOM/SECURITIY ROOM:- The control room / security room on the entrance of ground level with communication system to all floors and facilitate for receiving messages from different floors. Details of all floor plans along with the detail of firefighting equipment and installations shall be maintained in the control room.

26. HOUSE KEEPING:- To prevent the fire hazard, good housekeeping both inside and outside the building shall be strictly maintenance by MTNL authorities. The periodic inspection and maintenance of under floor space and false ceiling shall also be carried out to eliminate the fire risk.

27. GENERAL:- The fire prevention/fire safety measures recommended above cannot be effective unless these are backed by the administrative measures and the building, including the maintained in the top condition at times.

The building or part there of shall not be occupied unless compliance is ensured.

28. All the fire fighting system should be in accordance with the provision of Bombay provincial municipal corporation Act.1949 and National Building code Act.

Note:- (1)After completion of above fire fighting system installation work and On The basis of Inspection of Chief Fire Officer NOC will be issued.

I/C Chief Fire Officer
Fire & Emergency Services
Rajkot Municipal Corporation

Rajkot Municipal Corporation Fire and Emergancy

Copy to :-

1. **T.P.O.**