AHMEDABAD MUNICIPAL CORPORATION

FIRE AND EMERGENCY SERVICES

Jamalpur Fire Station, (H.Q.), Nr. Flyover Bridge, Jamalpur Area, Ahmedabad - 380001

Phone No.22148466 / 67 / 68, Email ID: afes@ahmedabadcity.gov.in

Opinion No. : FOPN-NW01-008-H-0100004 **Date** : 23/08/2023

To,

SHYASWA SAROVAR
R.S.NO.-425,434,436 NR. SHILAJ CIRCLE NR. SHALIN SOLITUDEAHMEDABAD 380059

Sir,

Sub: Fire Safety & Protection,Opinion for a proposed High Rise Building.

This is to intimate that, the plans submitted for, **High Rise Building** have all the required line drawings and write-upare as per the requirement of fire prevention and protection.

All norms as per the NBC-2016 part-IV fire and life safety guidelines / gujarat state fire prevention and life safety measures Act - Rules - Regulations and Amendment in 2021 / GDCR(2021) & CBD by AUDA / Special Instructions given by Fire Officer have to be followed as far as the construction and fire prevention followed as below.

STAIRCASE:

- 1.5 meters for 9 to 25 meters building heights.
- 2.00 meters for 25 meters to above building heights, clear in width.
- It is required that all staircases of the building shall be ventilated above 1.15 meters height parapet wall at each floor level.
- The staircase and lift shafts shall not go to the basement but if they go, they have to be protected by 2 hours fire-resistant construction including the doors.
- All fire doors of the building shall be certified for stability, integrity & insulation by fire research laboratory, institute, roorkee-247-667.

Margin and load bearing capacity for different heights of building :

Height of building (in meters)	Margin for all four sides of building (in meters)	Margin from common plot (in meters)	Margin Between Two Blocks (in meters)	Load bearing capacity of motorable road (in ton)
15 TO 25	3	3	6	45
15 TO 25 (Plot area more than 750(sq. mt.)	4	4	6	45
25 TO 45	6	6	9	60
ABOVE 45 METERS	8	8	12	60

- **Ramp only permitted for 15 to 25 meters building in margin.**
- **Any transformer to be installed shall be away from the building & leaving open space required around the building and height wise open space required around all four sides the building**
- **The main entry gate to the premises shall be minimum 6 meters or more if required, in width, entry gate to be provided on both sides**
- **All gate entry or exits shall be minimum gradient of 1:7 ratio for all types and heights building**

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Name of Building	SHYASWA SAROVAR
Site Address	R.S.NO.-425,434,436 NR. SHILAJ CIRCLE NR. SHALIN SOLITUDEAHMEDABAD 380059
T.P.No.	53/A-SHILAJ
F.P.No.	36+45+47
R.S.No.	425,434,436
Sub Plot No.	0
Building Type	High Rise Building

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Block Name	A
Fire Opinion Remarks	2METERS ADDITIONAL SPACE REQUIRED IN COMMON PLOT FOR FIRE VEHICLE MOVEMENT. WHOLE BUILDING INCLUDING ALL BASEMENTS PARKING SHALL BE FULLY SPRINKLERED. ALL BASEMENTS SHOULD HAVE POSITIVE PRESSURE VENTILATION SYSTEM / NATURAL VENTILATION SYSTEM WITH REQUIRED DUCT. ELECTRIC CABLE DUCT SHOULD HAVE FIRE RATED DOORS AT ALL LEVEL AND TO BE KEPT OPEN FROM TERRACE AND GROUND / LAST BASEMENT LEVEL. STAIRCASE AND LIFT LOBBY TO BE ENCLOSED AT BASEMENT. HYDRANT SYSTEM (CONVENTIONAL) ONLY CLASS-C PIPES TO BE USED. FIRE PUMP NOT TO BE INSTALLED LOWER THAN 2ND BASEMENT. FIRE PUMP INSTALLED SHALL HAVE CAPACITY TO DISCHARGE AT LEAST 1200 TO 1800 LITRES PER MINUTES AND SUITABLE PRESSURE HEAD TO ENSURE 900 LITRES PER MINUTE AT 3 BARS PRESSURE AS MEASURED FROM 2 TESTING POINTS AT TERRACE LEVEL. ONE HYDRANT VALVE AND ONE HOSE REEL HOSE WITH ON / OFF SWITCH FOR THE FIRE PUMP (ONE SET PER FLOOR AREA OF 1000 SQ. METERS.) RISER CUM DOWN COMER TO BE PROVIDED 100 MM. DIAMETER UP TO 30 METERS, 150 MM. FOR BUILDINGS ABOVE 30 METERS. ONE UNIT OF CO2 EXTINGUISHER 4.5 KGS AND ONE UNIT OF DCP EXTINGUISHER OF 6 KGS. PER FLOOR (ONE SET PER 1000 SQ. METERS) FIRE SERVICE INLET TO BE PROVIDED AT THE GROUND LEVEL. SMOKE DETECTION SYSTEM HAS TO BE INSTALLED. (STAND ALONE WITH INBUILT BATTERY TYPE OF SMOKE/ HEAT DETECTORS ARE NOT PERMITTED IN ANY KIND OF OCCUPANCY.)
Block Height From Ground Levele to Top Slab(In Meter)	77.11

	Use	Height(In Meter)
Basement 1	PARKING	4.12
Basement 2	PARKING	3.73
Basement 3	PARKING	3.73
Hollow Plinth/Ground Floor	PARKING	7.01
Floor 1	SOC.AMINI.	3.33
Floor 2	RESIDENCE	3.18
Floor 3	RESIDENCE	3.18
Floor 4	RESIDENCE	3.18
Floor 5	RESIDENCE	3.18
Floor 6	RESIDENCE	3.18
Floor 7	RESIDENCE	3.18
Floor 8	RESIDENCE	3.18
Floor 9	RESIDENCE	3.18
Floor 10	RESIDENCE	3.18
Floor 11	RESIDENCE	3.18
Floor 12	RESIDENCE	3.18
Floor 13	RESIDENCE	3.18
Floor 14	RESIDENCE	3.18
Floor 15	RESIDENCE	3.18
Floor 16	RESIDENCE	3.18
Floor 17	RESIDENCE	3.18
Floor 18	RESIDENCE	3.18
Floor 19	RESIDENCE	3.18
Floor 20	RESIDENCE	3.18
Floor 21	RESIDENCE	3.18
Floor 22	RESIDENCE	3.25

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After, The building is built and all the suggested and required fire safety and protection equipment have been installed and after due inspection by the fire service officer an noc can be issued.

CHIEF FIRE OFFICER

FIRE AND EMERGENCY SERVICES

AHMEDABAD.