



SURAT MUNICIPAL CORPORATION
FIRE & EMERGENCY SERVICES
HEAD QUATERS, MUGLISARA,
SURAT - 395003

Ph.: S.M.C. : 0261 - 2423750 TO 56, CONTROL : 2414195 -96, FAX : 2451935, 9724345553

Sub :- N.O.C./OPINION Fire & Emergency Services Dept. for High Rise Residential Building.

Reference :- A letter from T.D.O. Shri bearing No. T.D.O.5405, Dt.22/03/2021.

PROPOSED SITE :- PROPOSED BUILDING PLAN FOR RESIDENTIAL EWS-II (R.A.H.) HIGH RISE TYPE ON T.P.S. NO. 08 (PALANPOR), F.P. NO. 131 (S.E.W.S.) AT VILLAGE. PALANPOR, TA. ADAJAN, DIST. SURAT.

Submitted,

As per said plan the above building is a High Rise Residential Building. A,B,D (Ground Floor + 14th Floor) with Height of 44.65 Mtrs., Building. C (Ground Floor + 14th Floor) with Height of 44.75 Mtrs.

As per N.B.C. 2016 the aforesaid buildings are to be considered as High Rise Residential Building. Hence this dept. has No Objection if the applicant concerned makes necessary fire fighting arrangement in said building as per N.B.C. norms, Existing CGDCR norms, Gujarat Fire Prevention Life Safety Regulation 2017 and Submitted Drawing. Subject to compliance of following fire safety recommendations by the developer/owner during & after construction.

1. Parking shall not be permitted in courtyards and drive ways of fire appliances.
2. Courtyard shall be kept free from encumbrances & encroachments.
3. No structure of any type shall be permitted in courtyard of the building.
4. There shall not be any trees obstructing fire appliances reach in compulsory open spaces required as per CGDCR.
5. Repairing/servicing of cars, use of naked light shall not be permitted in the car parking areas.
6. Dwelling, use of naked light / flame, repairing / maintenance of vehicles shall be strictly prohibited in the parking area.
7. The driveways shall be property marked and maintained unobstructed, proper illuminated signage shall be provided for escape route.
8. Car parking shall be permitted in the designated area only.
9. The fins with RCC, brick work, hallow blocks or any such construction materials shall not be permitted.
10. The driveways shall be properly marked and maintained unobstructed, proper illuminated signage shall be provided for escape route, car lifts, etc. at prominent location.
11. The layout of staircase shall be enclosed type throughout its height and shall be approached at each floor level.
12. Externally located staircases adequately ventilated to outside air.
13. Permanent vent at the top equal to 5 % of the cross sectional area of the staircase shall be provided.
14. Structural steel members connected to staircase shall be protected with fire retardant coatings.
15. No combustibles shall be kept or stored in staircase / passages.



16. The staircase should not be encroached by shoe-rack, decorative items, earthen pots etc.
17. Walls enclosing lift shaft shall have a fire resistance of not less than two hours.
18. Shaft shall have permanent vent of not less than 0.2 sq. meters in clear area immediately under the machine room.
19. Landing door and lift car door of the lifts shall be of steel shuttered with fire resistance of one hour. No collapsible shutter shall be permitted.
20. The Fire lift shall have a floor area of not less than 1.4 sq. meters it shall have loading capacity of not less than 545 kgs (8 persons lift) with automatic closing doors of minimum 0.8 m. width.
21. The electric supply of fire lift shall be on a separate service from electric supply mains in a building and the cables run in a route safe from fire i.e. within the lift shaft. Light & fans in the elevators having wooden paneling or sheet steel constriction shall be operated on 24 volt supply.
22. Fire lift should be provided with a ceiling hatch for use in case for emergency. So that when the car gets stuck up, it shall be easily openable.
23. In case of failure normal electric supply, it shall automatically changeover to alternate supply. For apartment houses, this changeover of supply could be done through manually operated changeover switch. Alternatively, the lift shall be so wired that in case of power failure, it comes down at the ground level and comes to stand-still with door open.
24. The operation of fire lift should be by a simple toggle or two button switch situated in glass-fronted box adjacent to the lift at the entrance level. When the switch is on, landing call point will become inoperative and the lift will be on car control only or on a priority control devices. When the switch is off, the lift will return to normal working. This lift can be used by the occupants in normal times.
25. The words 'fire lift' shall be conspicuously displayed in fluorescent paints on the lift landing doors at each floor level.
26. The speed of the fire lift shall be such that it can reach the top floor from ground level within one minute. Fire lift shall be constructed as per prevailing standard.
27. Corridor / lift lobby at each floor level shall be naturally ventilated as shown in plan for the upper floors.
28. The common corridor / lift lobby at each floor level shall be kept free from obstruction at all times.
29. Self-glowing / fluorescent exit signs in green colour shall be provided showing the means of escape at each floor of building. Portable lights / insta lights shall be provided at strategic location in the staircase and lift lobby.
30. The staircase and corridor lighting shall be on separate circuits and shall be independently connected so that they could be operated by one switch installation on the ground floor easily accessible to fire fighting staff at any time irrespective of the position of the individual control of the light points, if any.
31. Staircase and corridor lighting shall also be connected to alternate supply.
32. Double throw switches shall be installed to ensure that lighting in the staircase and the corridor do not get connected to two sources of supply simultaneously. A double throw switch shall be installed in the service room to terminate the stand-by-supply.
33. Emergency lights shall be provided in the staircase / corridors.
34. Electric cable shaft shall be exclusively used for electric cables and should not be open in staircase enclosure.
35. Electric shaft shall be sealed at each floor level with non-combustible material such as vermiculite concrete. No storage shall be permitted in electric cabin or shaft.
36. Inspection door for the shaft shall have two hours fire resistance.
37. Electric wiring / cable shall be of non-toxic, non-flammable, low smoke hazard having



- copper core fire resistance for the entire building with provision of ELCB/MCB.
38. Electric meter room shall be adequately ventilated, accessible & shall not be under staircase, basement, lift-lobby.
 39. Electric wiring shall be having copper core having the fire resistance and low smoke hazard cables for the entire building with provision of ELCB/MCB
 40. Low and medium voltage wiring running in shaft and in false ceiling should run in separate conduits.
 41. Water mains, telephone lines, intercom lines, gas pipes or any other services should not be laid in the duct for electric cable; use of bus bar/solid rising mains instead of cables is preferred.
 42. Separate circuits for fire fighting pumps, lifts, staircase and corridor lighting and blowers for pressurizing system shall be provided directly from the main switch gear panel and these circuits shall be laid in separate conduit pipes so that fuse in one circuit will not affect the others. Such circuits shall be protected at origin by an automatic circuit breaker with its no-volt coil removed.
 43. Master switches controlling essential services shall be clearly labeled & provide in the lobby for emergency operation.
 44. False ceiling if provided in the building shall be of non-combustible material. Similarly, the suspenders of the false ceiling shall be of non-combustible materials.
 45. **Materials For Interior Decoration / Furnishing :**
The use of materials which are combustible in nature and may spread toxic fumes/gases should not be used for interior decoration/furnishing, etc.
 46. **Fire drill / evacuation drill :**
Fire drill and evacuation drill shall be conducted regularly in accordance with fire safety plan of building at least once in a three month in consultation with Mumbai fire brigade and log of the same shall be maintained.
 47. **Signage's :**
Self-glowing/fluorescent exit signs in green color shall be provided showing the means of escape of the building.
 48. **Fire Escape Chute : NOT APPLICABLE.**
 49. **Refuge area : External balcony/deck in Bldg. A,B,C,D is considered as a Refuge Area. Therefore any alteration in future shall not be allowed .**
 50. Astro turf etc. shall not be permitted in the courtyard and in the drive way.
 51. A certificate to the effect that the fire resistance protection has been provided as above shall be furnished from the Structural Engineer/Architect at the time of applying for occupation of the building.
 52. All gaps between floor-slabs and to facade assembly shall be sealed at all levels by approved fire resistant Seal and material of 02 hrs fire rating.
 53. Sprinkler system for glass facade providing full coverage to the glass.
 54. Addressable Fire Alarm & Detection System as per NBC-2016 (Table-7).
 55. Openable panels shall be provided on each floor and shall be spaced not more than 10 mt apart measured along the external wall from centre to centre of the access opening.
 56. This NOC is issued from fire risk point of view only.
 57. Trained man power shall be available for the fire fighting and lift rescue in the building premises round the clock .
 58. Any deviation w.r.t. construction shall be verified by the concerned building sanctioning authority.
 59. The certificate may not be treated in any case for regularisation for unauthorised construction if any.
 60. Form 16 from FPCOR to be submitted at the time of Fire Inspection of building.
 61. The opinion is given on the basis of submitting drawings /documents only.

62. Facade & Elevation Design & Drawing shall have to be approved by Registered Facade Consultant.
63. Any other instructions given by the fire department from time to time about fire safety of the Building premises to be followed norms.
64. Fire officer can check the arrangements of Fire safety at any time, this certificate will be withdrawn without any notice if any deficiency is found.
65. Occupants /Owner should apply for renewal of fire safety certificate 01 Month prior expiry of this certificate.
66. Trained officers / security guards :
The trained security / fire supervisor along with trained staff having basic knowledge of firefighting & fix firefighting installation shall be provided / posted in the building.
They will be responsible for the following;
- (a) Maintenance of all the first aid firefighting equipment, fixed installations & other firefighting equipment / appliance in good working condition at all times.
 - (b) Imparting training to the occupants of the building in the use of firefighting equipment provided on the premises & keep them informed about fire & other emergency evacuation procedures.
 - (c) To liaise with the city fire brigade on regular & continual basis.
 - (d) The mock drill with the designated fire marshal for any operation of disaster management plan shall be out regularly after occupation as per National Building Code.
67. The fire department of SMC will not responsible for any loss of life and property due to Fire / Emergency incident.

T.D.O. Shri ,

For information & further process please.

I/C Dy Chief Fire Officer

FES/ OUTWARD/NOC 364
DT.20-04-2021

I/C CHIEF FIRE OFFICER
Surat Municipal Corporation





भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

Executive Engineer of Slum Upgradation Department Trupti N Kalathiya

Date: 07-03-2021

D-401, Sarthi Doctor House,
Hirabaug, Surat.

System Generated Auto Assessment for Height Clearance

1. Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order GSR 751 (E) dated 30th Sep. 2015 for Safe and Regular Aircraft Operations has assessed the site data filled by the applicant.

2. Assessment details for Height Clearance:

NOC ID :	SURA/WEST/B/022721/531200
Applicant Name*	Biraj K Kukadiya
Site Address*	T.P.S.No. 8 (Palanpor), F.P.No. 131, Moje- Palanpor, Dist. - Surat.
Site Coordinates*	21 12 24.45N 72 46 36.75E, 21 12 26.36N 72 46 37.01E, 21 12 24.73N 72 46 39.47E, 21 12 23.82N 72 46 39.56E, 21 12 26.70N 72 46 42.36E, 21 12 25.55N 72 46 42.58E, 21 12 26.87N 72 46 42.65E
Site Elevation in mtrs AMSL as submitted by Applicant*	10.14 M
Type Of Structure*	Building

*As provided by applicant

Your site is located at a distance 10780 mts from ARP and lies in the grid F15 of the published CCZM of Surat airport. The Permitted top elevation for this grid is 69 mts.

Since the requested top elevation 65.14 mts in AMSL is below CCZM permitted top elevation, the NOC for height clearance is not required from Airports Authority of India.

3. This assessment is subject to the terms and conditions as given below:

a. The site-elevation and site coordinates provided by the applicant are taken for calculation of the permissible top elevation for the proposed structure. If however, at any stage it is established that the actual data is different from the one provided by the applicant, this assessment will become invalid.

b. The Site coordinates as provided by the applicant in the NOC application has been plotted on the street view map and satellite map as shown in ANNEXURE. Applicant/Owner to ensure that the plotted coordinates corresponds to his/her site. In case of any discrepancy, this assessment shall be treated as null and void

c. Airport operator or his designated representative may visit the site (with prior coordination with applicant or owner) to ensure that assessment terms & conditions are complied with.

d. The assessment is further subject to the provisions of Section 9-A of the Indian Aircraft Act, 1934 and any notifications issued there under from time to time including the Aircraft (Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994.



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

e. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans. This assessment for height is to ensure the safe and regular aircraft operations and shall not be used as document for any other purpose/claim whatsoever, including ownership of land etc.

f. Use of oil, electric or any other fuel which does not create smoke hazard for flight operations is obligatory, within 8 KM of the Aerodrome Reference Point.

g. This assessment has been issued w.r.t. the Civil Airports as notified in GSR 751(E). Applicant needs to seek separate NOC for Defence, if the site lies within jurisdiction of Defence Airport. Applicants also need to seek clearance from state Govt. as applicable, for sites which lies in the jurisdiction of unlicensed civil aerodrome as outlined in Rule 13 of GSR751 (E).

This assessment is system auto generated and thus does not require any signature

Designated Officer

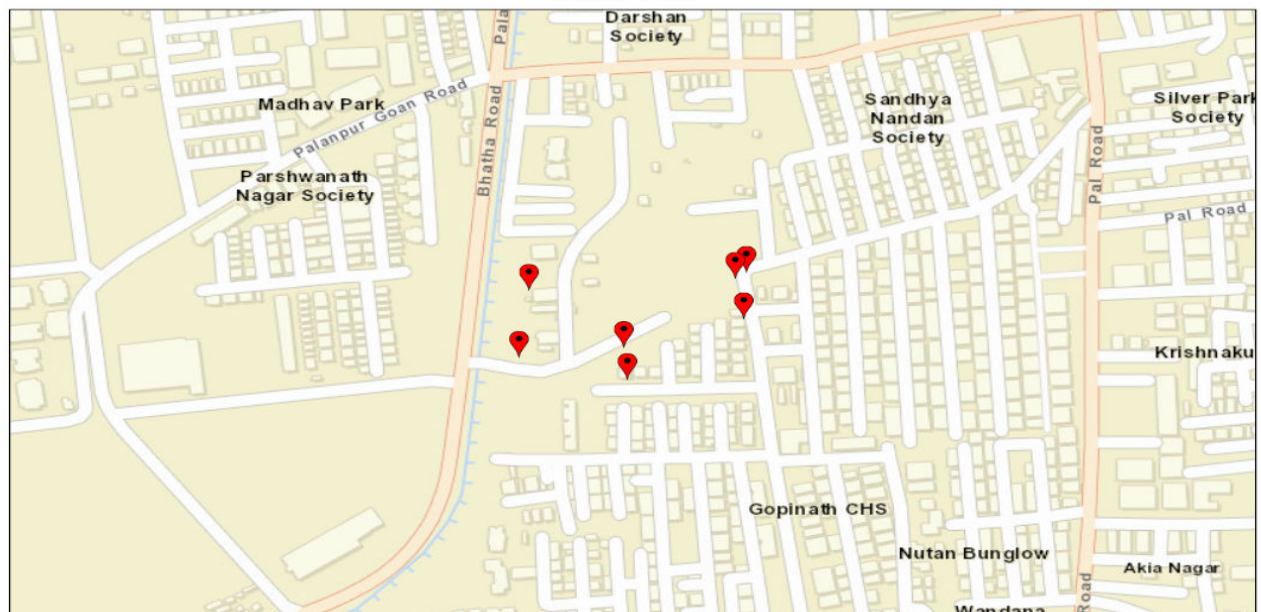
Region Name: WEST

Address: General Manager Airports
Authority of India, Regional
Headquarter, Western Region,
Opp. Parsiwada, Sahar Road,
Vale Parle (E)

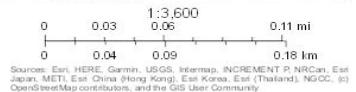
Email ID: nocwr@aai.aero

Contact No: 022-28300656

Street View



February 27, 2021

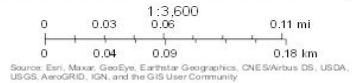


AAI

Satellite View



February 27, 2021



AAI



No. SEIAA/GUJ/EC/8(a)/1022/2021

Date: 29 JUN 2021 BY R.P.A.D
Time Limit

Sub: Environment Clearance for the Building Construction Project EWS-II (RAH) High Rise Type Building at T.P.S. No. 08 (Palanpor), F.P. No. 131, Moje- Palanpor, Ta- Adajan, Dist- Surat Proposed by Surat Municipal Corporation under Pradhan Mantri Awas Yojana. Construction project in Category 8 (a) of Schedule annexed with EIA Notification dated 14/09/2006.

Ref: Your Proposal No. SIA/GJ/MIS/205841/2021.

Dear Sir,

This has reference to your application along with Form-I, Form-1 A dated 25/03/2021, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006. The project was scheduled for hearing in the SEAC meeting held on 16/04/2021.

The proposal is for Environmental Clearance for the **Building Construction Project EWS-II (RAH) High Rise Type Building at T.P.S. No. 08 (Palanpor), F.P. No. 131, Moje- Palanpor, Ta- Adajan, Dist- Surat Proposed by Surat Municipal Corporation under Pradhan Mantri Awas Yojana**. This is a proposed building construction project having plot area of 9,572.60 m² and the proposed FSI area of the project is 28,312.82 m² with proposed built up area of 38,207.38 m². As the built up area is >20,000 m² and <1,50,000 m², it falls in the category 8(a) of the Schedule of EIA Notification, 2006.

The project will comprise of 04 numbers of buildings. No. of Blocks: 04. Scope of buildings/blocks are: Building A GF (Parking + 14th Floor) = (168 flats); Building B: GF (Parking + 14th Floor) = (168 flats); Building C: GF (Parking + 1st to 13th Floor + 14th Floor) = (166 flats); Building D: GF (Parking + 14th Floor) = (168 flats) and No. & size of Residential Units are: 670 flats.

The project activity is covered in 8(a) and falls in Category 'B'. Since the proposed project is in item no.8 of the EIA notification, 2006, it does not need Public Consultation as per Para 7(i) III. Stage (3) (d) – Public Consultation of EIA Notification, 2006.

The SEAC, Gujarat had recommended the project vide their letter dated 11/06/2021 to grant Environmental Clearance to the SEIAA, Gujarat based on the decision taken during SEAC meeting held on 16/04/2021. The proposal was considered by SEIAA, Gujarat in its meeting held on 15/06/2021 at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following conditions.

A. PROJECT SPECIFIC CONDITIONS:

A.1 CONSTRUCTION PHASE:

A.1.1 WATER:

1. Fresh water requirement during the construction phase shall be 8.00 KL/day and it shall be met through SMC. No ground water shall be tapped during the construction phase.
2. Sewage generated during the construction phase shall be disposed off through SMC drainage.

A.1.2 HEALTH & SAFETY:

3. Project Proponent shall obtain Fire opinion/provisional fire NOC from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
The project proponent shall obtain registration of the establishment under the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and shall comply with the provisions of the Act for the safety, health and welfare of construction workers.
The project proponent shall obtain registration of the construction workers as beneficiaries with the Gujarat Building and Other Construction Workers Welfare Board.

A.2 OPERATION PHASE:

A 2.1 WATER



6. Total water requirement during the operation phase shall be 502.50 KL/day, out of which fresh water requirement of 349.74 KL/day shall be met through water supply system of SMC and the remaining 152.76 KL/day of water requirement shall be met through treated sewage. No ground water shall be tapped during the operation phase. Metering of the water shall be done and its records shall be maintained.
7. Sewage generation during operation phase shall be 402 KL/day which shall be treated in the proposed onsite Sewage Treatment Plant.
8. The unit shall install and efficiently operate STP of adequate capacity for treating the sewage to be generated during operation phase to achieve the GPCB norms at the STP outlet. Treated sewage conforming to GPCB norms shall be utilized within premises for gardening & flushing purpose at the maximum extent possible. Only remaining quantity of treated sewage shall be disposed off through drainage line of SMC.
9. A proper logbook of STP operation and also showing the quantity of treated sewage utilization within premises & quantity of treated sewage discharged into the drainage line shall be maintained and furnished to the GPCB from time to time.
10. Dual plumbing system with separate tanks and lines shall be provided for utilization of treated sewage for flushing.
11. Project proponent shall explore possibilities to reuse the treated waste water for car washing.
12. No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.
13. Rain water harvesting from rooftop and paved areas and ground water recharge through 2 nos. of percolation wells shall be carried out as per the details submitted. Before recharging the runoff, pre-treatment must be done to remove suspended matter.

A.2.2 AIR:

14. 4 nos. of D. G. set (200 KVA) proposed as backup power shall be of enclosed type and conform to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.
15. The exhaust of the D. G. Set shall be at least 3 m above roof top.
16. The gaseous emissions from the D.G. Sets shall conform to the standards prescribed under EPA rules as amended from time to time. At no time, the emission levels shall go beyond the stipulated standards.

A.2.3 SOLID WASTE:

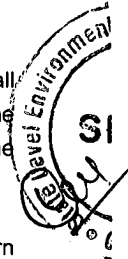
17. The solid waste generated shall be properly collected and segregated at source. The biodegradable waste shall be converted into useful end product by treating it into the proposed onsite Organic Waste Converter and the recyclable waste shall be sold to vendors whereas the other garbage shall be disposed off properly as per the provisions made by the SMC.

A.2.4 SAFETY AND WELFARE:

18. Project Proponent shall obtain fire safety certificate / Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
19. Fire fighting facilities like Extinguisher, Sprinkler system and Fire Hydrant Systems will be proposed for Fire Safety, 200 kL tank shall be provided. A lightning arrester will be installed and properly earthed.
20. Staircase shall be provided: 1 no of 2 m width in each block. All the staircases and lifts shall open out at ground level from the highest point of building [with access from each floor] for emergency evacuation. 5 nos. of Lift shall be provided in each block.
21. In basement at least two separate ramps of adequate width and slope shall be provided, located preferably at opposite ends.
22. Provision for adequate air changes per hour in the basement shall be made so as to avoid build-up of CO in the area.
23. Car park exhaust system equipped with CO (Carbon Monoxide) sensor shall be provided to ensure operation of exhaust fans as CO concentration levels.
24. Clear peripheral margin space of adequate width, in accordance with the concerned local bye-laws, shall be provided for unobstructed & easy movement of vehicles in case of emergency.
25. Drinking water & tap water, sanitation facilities, first aid box, free medicines, doctor service, PPEs , rooms & welfare facilities as per Building and Other Construction Workers Rules Shall be provided for workers.

A.2.5 PARKING / TRAFFIC CONGESTION:

26. Minimum parking space of 3347.94 m² [2542.60 m² in Hollow Plinth + 805.34 m² in open area] shall be provided as proposed.



A 2.6 ENERGY CONSERVATION:

27. Energy conservation measures viz. maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & landscape areas, 316.80 kW solar power generation, use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, roof-top thermal insulation etc. shall be implemented as proposed.

A 2.7 GREEN BELT:

28. Green belt area of 1083.63 m² comprising of 479.16 m² tree covered area with 144 trees within premises shall be developed as proposed. The other open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous tree species.

B. GENERAL CONDITIONS:

B1. PRE-CONSTRUCTION AND CONSTRUCTION PHASE:

29. Roads leading to or at construction site must be paved and blacktopped (i.e. – metallic roads).
30. No excavation of soil shall be carried out without adequate dust mitigation measures in place.
31. Grinding and cutting of building materials in open area shall be prohibited.
32. Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
33. Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site.
34. Dust mitigation measure shall be displayed prominently at the construction site for easy public viewing.
35. Environment Management Cell shall be formed, which shall supervise and monitor the environment related aspects of the project during construction and operational phases in addition to observance of Gujarat Building and other Construction Workers'(Regulation of Employment & Conditions of Service) Rules 2003.
36. Prior permission from the competent authority shall be obtained for cutting of the existing trees before site preparation work is commenced.
37. Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.
38. Wind – breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided. Individual building within the project site shall also be provided with barricades.
39. Regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.
40. No uncovered vehicles carrying construction material and waste shall be permitted.
41. No loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured.
42. Structural design of the project shall strictly adhere to the seismic zone norms for earthquake resistant structures.
43. The planning, designs and construction of all buildings shall be such as to ensure safety from fire.
44. The project proponent shall ensure maximum employment to the local people.
45. All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.
46. Provision shall be made for housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical healthcare, crèches, electricity & ventilation, canteen, rest rooms, safe disposal system for garbage, first aid, medical and emergency facilities etc. to ensure that they do no ruin the existing environmental condition. The housing may be in the form of temporary structures to be removed after completion of the project.
47. Adequate personal protective equipments shall be provided to the construction workers to ensure their safety and the project proponent shall ensure its usage by the labours.
48. First Aid Box shall be made readily available in adequate quantity at all the times.
49. Training shall be given to all workers on construction safety aspects.
50. The project proponent shall strictly comply with the Building and other Construction Workers'(Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments.
51. The overall noise level in and around the project area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation.
52. Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase



53. The noise generating equipments, machinery and vehicles shall not be operated during the night hours and shall be maintained properly to avoid generation of high noise due to wear and tear.
54. Use of diesel generator sets during construction phase shall be strictly with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.
55. Safe disposal of wastewater and municipal solid wastes generated during the construction phase shall be ensured.
56. All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.
57. Construction materials and debris shall be properly stored and handled to avoid negative impacts such as air pollution and public nuisances by blocking the roads and public passages.
58. Construction debris shall be reused in construction of roads, levelling the site etc. Waste packaging material (like used cement bags, waste paper, cardboard packing material), metal scraps etc. shall be sold to recyclers or shall be sent to the nearest municipal solid waste landfill site.
59. Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities.
60. Provisions of Construction & Demolition Waste Management Rules-2016 shall be strictly adhered to.
61. Vehicles hired for bringing construction material at the site shall be in good conditions and conform to applicable air and noise emission standards and shall be operated only during day time and non-peak hours.
62. Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete [RMC] and lead free paints in the project.
63. Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.
64. Use of glass shall be minimal and only low emissive glass shall be used in the project to reduce the electricity consumption and load on air conditioning.

B2. OPERATION PHASE AND LIFE TIME:

65. Separate Entries and Exits shall be provided to the project on the approach road.
66. Separate Entry and Exit to the basement shall be provided.
67. Explore possibilities of provision of Electric vehicle charging points in the basement.
68. Low water consuming devices shall be provided. Fixtures for showers, toilet, flushing and drinking shall be of low flow either by use of aerators/ diffusers or pressure reducing devices etc.
69. A water meter shall be installed on rain water harvesting & ground water recharge well system & compliance report of the same shall be submitted to concerned authorities.
70. Used oil shall be sold only to the registered recycler.
71. Provisions of Solid Waste Management Rules-2016 shall be strictly adhered to.
72. Requisite fire fighting facilities as per the requirement of NBC and Gujarat Fire Prevention and Life Safety Measures Act-2013 along with the rules & regulations made there under shall be provided.
73. Underground fire water storage tanks and terrace water storage tanks of adequate capacity shall be provided as proposed. Adequate provision shall be made to ensure that water from the Fire Water Tank shall not be used for any other purpose.
74. Dedicated power back up system shall be provided in the case of power failure & emergency of fire water pumps.
75. First Aid Box shall be made readily available in adequate quantity at all the times.
76. Main entry and exit shall be separate and clearly marked in the facility
77. Necessary emergency lighting system along with emergency power back up system shall be provided. Further, necessary auto glow signage at all appropriate places shall be provided to guide the people towards exits and assembly points during emergency.
78. Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.
79. The overall noise level in and around the project area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibrations dampers etc. on all sources of noise generation including D.G.Sets. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and Rules.



80. The area earmarked for the parking shall be used for parking only. No other activity shall be permitted in this area.
81. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. No public space including the service road shall be used or blocked for the parking.
82. The project proponent shall install energy efficient devices, appliances, motors, and pumps conforming to the Bureau of Energy Efficiency norms.
83. The transformers and motors shall have minimum efficiency of 85%.
84. Only variable frequency motor drives shall be used in project.
85. Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting. In addition the provision for solar water heating system shall also be provided.
86. Use of glass shall be minimal to reduce the heat island effect as well as to reduce the electricity consumption.
87. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.
88. Drip irrigation/low volume, low angle sprinkler system shall be used for the lawns and other green area including tree plantation.
89. The project proponent shall inform to SEAC / SEIAA regarding the transfer of management responsibility to the Society / Association to be formed for the proposed project with all the supporting documents. The Society / Association formed for further management of the proposed project shall be responsible for compliance of all the conditions stipulated in the Environmental Clearance order.
90. Environmental Clearance granted for the project on the basis of documents related to land possession submitted shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of the project and mentioned in the EC.
91. All other statutory clearances such as N.A. permission, approvals for storage of diesel from PESO, Fire Department, Airports Authority of India etc., if applicable, shall be obtained by the project proponent from the competent authorities.
92. All the conditions as may be stipulated in the N.A. order, Development permission, Building Use permission, NOC obtained from Fire Department etc. shall be strictly complied with.
93. The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards proposed by them.
94. All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.
95. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.
96. All the terms & conditions prescribed in the amendment of EIA Notification – 2006 published by the MoEF&CC vide its Notification No. S.O. 3999(E) dated 9th December, 2016 shall be complied with letter & spirit.
97. The project proponent shall strictly comply with the Gujarat Building and other Construction Workers'(Regulation of Employment & Conditions of Service) Rules 2003 as well as Gujarat Lifts & Escalators Rules as amended from time to time.
98. No further expansion or modifications in the project likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
99. The above conditions shall be enforced, inter-alia under the provisions of the water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986 and the Hazardous Wastes (Management Handling and Tran boundary) Rules, 2008, Building and Other Construction Workers' (Regulation of Employment & Conditions of Service) Act-1996, The Gujarat Lifts and Escalators Act-2000 along with their amendments and rules.

B3. OTHER:

100. The project proponent shall allocate the separate fund of Rs.97.82 Lacs as committed before SEAC. The entire activities **[Solar lights, street lights and drainage related activities]** proposed under Corporate Environment Responsibility (CER) shall be part of Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020. The said activities shall be completed within 4 years from the commencement of the project. This shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.

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101. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
102. The project proponent shall adhere to provisions made for Corporate Environment Responsibility "CER" in Office Memorandum dated 01/05/2018 by Ministry of Environment, Forests & Climate Change and its amendments from time to time in a letter and spirit.
103. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
104. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned and shall be uploaded on website of Gujarat Real Estate Regulatory Authority, on 1st June and 1st December of each calendar year.
105. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
106. The project authorities shall inform the GPCB, Regional Office of MoEF&CC and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
107. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory. This environmental clearance is valid for seven years from the date of issue.
108. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
109. Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.

With regards,
Yours sincerely,


(S. J. PANDIT)
Member Secretary

Issued to:

**M P Jaimalani, Executive Engineer,
Surat Municipal Corporation,
Slum Upgradation Department,
Tadwadi, Rander Road, Surat 395 009**

