



## भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

Executive Engineer Gujarat Housing Board Vadodara

Date: 23-09-2016

1, Chandramaninagar near Vidhya  
vihar School lane opposite high  
tension road, Shubanpura Vadodara  
Gujarat 390023

Valid Upto: 22-09-2021

### No Objection Certificate for Height Clearance

1. This NOC is issued by 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 GSR751 (E) dated 30th Sep. 2015 for Safe and Regular Aircraft Operations.

2. This office has no objection to the construction of the proposed structure as per the following details:

|                                                              |                                                                                                                                                                                                                                       |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOC ID :                                                     | VADO/WEST/B/081916/169006 ✓                                                                                                                                                                                                           |
| Applicant Name*                                              | Bhaskar Hasilkar                                                                                                                                                                                                                      |
| Site Address*                                                | Development of Multi Storied residential building for LIG and MIG by Gujarat Housing Board near samta garba ground on RS No 236 237/1 235 234/1 234/2 234/3 233 232 230/1 230 231/2, Village Gorwa Taluka Vadodara, Vadodara, Gujarat |
| Site Coordinates*                                            | 73 08 41.6-22 19 23.8, 73 08 41.9-22 19 27.4, 73 08 46.2-22 19 24.5, 73 08 47.6-22 19 20.8, 73 08 51.9-22 19 27.8,                                                                                                                    |
| Site Elevation in mtrs AMSL as submitted by Applicant*       | 30 M                                                                                                                                                                                                                                  |
| Permissible Top Elevation in mtrs Above Mean Sea Level(AMSL) | 78.5M                                                                                                                                                                                                                                 |

\*As provided by applicant

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

a. Permissible Top elevation has been issued on the basis of Site coordinates and Site Elevation submitted by Applicant. AAI neither owns the responsibility nor authenticates the correctness of the site coordinates & site elevation provided by the applicant. If at any stage it is established that the actual data is different, this NOC will stand null and void and action will be taken as per law. The office in-charge of the concerned aerodrome may initiate action under the Aircraft (Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994"

b. The Structure height (including any superstructure) shall be calculated by subtracting the Site elevation in AMSL from the Permissible Top Elevation in AMSL i.e. Maximum Structure Height = Permissible Top Elevation minus (-) Site Elevation.

c. The issue of the 'NOC' 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.

d. No radio/TV Antenna, lighting arresters, staircase, Murti, Overhead water tank and attachments of fixtures of any kind shall project above the Permissible Top Elevation of 78.5M, as indicated in para 2.

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AIRPORTS AUTHORITY OF INDIA

- e. Only use of oil fired or electric fired furnace is permissible, within 8 KM of the Aerodrome Reference Point.
- f. The certificate is valid for a period of 5 years from the date of its issue. If the construction of structure/Chimney is not commenced within the period, a fresh 'NOC' from the Designated Officer of Airports Authority of India shall be obtained. However, if construction work has commenced, onetime revalidation request, for a period not exceeding 8 years from the date of issue of NOC in respect of building/structure and for a period not exceeding 12 years from the date of issue of NOC in respect of chimney, may be considered by AAI. The date of completion of the Structure should be intimated to this office.
- g. No light or a combination of lights which by reason of its intensity, configuration or colour may cause confusion with the aeronautical ground lights of the Airport shall be installed at the site at any time, during or after the construction of the building. No activity shall be allowed which may affect the safe operations of flights.
- h. The applicant will not complain/claim compensation against aircraft noise, vibrations, damages etc. caused by aircraft operations at or in the vicinity of the airport.
- i. Day markings & night lighting with secondary power supply shall be provided as per the guidelines specified in chapter 6 and appendix 6 of Civil Aviation Requirement Series 'B' Part I Section 4, available on DGCA India website: [www.dgca.nic.in](http://www.dgca.nic.in)
- j. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans. This NOC for height clearances 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.
- k. This NOC has been issued w.r.t. the Civil Airports. Applicant needs to seek separate NOC from Defence, if the site lies within their jurisdiction.
- l. In case of any discrepancy/interpretation of NOC letter, English version shall be valid.
- m. In case of any dispute w.r.t. site elevation and/or AGL height, top elevation in AMSL shall prevail.

Chairman NOC Committee

Region Name: WEST

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

Email ID: [nocwrmumbai@gmail.com](mailto:nocwrmumbai@gmail.com)

Contact No: 022-26819573



वी.एस.पी. चौधरी / V.S.P. CHAUDHARY  
महानिदेशक (विमानक्षेत्र पश्चिम क्षेत्र)  
General Manager (Aero), WR

G. J. DAVE  
MEMBER SECRETARY  
SEIAA (GUJARAT)



Government of Gujarat

STATE LEVEL ENVIRONMENT  
IMPACT ASSESSMENT  
AUTHORITY  
GUJARAT

No. SEIAA/GUJ/EC/8(a)/218/2017

Date: 24 APR 2017

BY R.P.A.D  
Time Limit

Sub: Environment Clearance for the Building Construction Project at R.S. Number 230/P, 233, 234/1, 234/2, 234/3, 235 and 236, Village Gorwa, Vadodara Proposed by Gujarat Housing Board.....Construction project in Category 8 (a) of Schedule annexed with EIA Notification dated 14/09/2006.

Ref: Your Proposal No. SIA/GJ/NCP/55679/2016.

Dear Sir,

This has reference to your application along with Form-I, Form-1 A dated 08/06/2016, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006. The project was scheduled for hearing in the SEAC meeting held on 03/08/2016. The project proponent submitted additional information / documents vide letter dated 12/12/2016 to the SEAC.

The proposal is for Environmental Clearance for the Building Construction Project at R.S. Number 230/P, 233, 234/1, 234/2, 234/3, 235 and 236, Village Gorwa, Vadodara Proposed by Gujarat Housing Board. This is a proposed building construction project having plot area of 34859.00 m<sup>2</sup> and the proposed built up area of the project is 128006.41 m<sup>2</sup>. As the built up area is >20,000 m<sup>2</sup> and <1,50,000 m<sup>2</sup>, it falls in the category 8(a) of the Schedule of EIA Notification, 2006.

The project will comprise of 17 numbers of buildings. No. of Blocks: 17. Scope of buildings/blocks are: 8 residential & commercial buildings – ground floor + 13 floors, 9 residential buildings – Hollow plinth + 13 floors and No. of Residential Units are: 1608 and No. of Commercial Units are: 46 Shops.

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 02/03/2017 to grant Environmental Clearance to the SEIAA, Gujarat based on the decision taken during SEAC meeting held on 21/12/2016. The proposal was considered by SEIAA, Gujarat in its meeting held on 15/04/2017 at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> 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 19.75 KL/day and it shall be met through the local water tanker suppliers. No ground water shall be tapped during the construction phase.
2. Sewage generated during the construction phase shall be disposed off through septic tank & soak pit system.

**A.2 OPERATION PHASE:**

**A.2.1 WATER:**

3. Water requirement during the operation phase shall be 1000.2 KL/day and it shall be met through the water supply system of Vadodara Mahanagar Seve Sadan (VMSS). No ground water shall be tapped during the operation phase. Metering of the water shall be done and its records shall be maintained.
4. No bore well shall be constructed and existing bore wells, if any, shall be either sealed or converted into the recharge well.
5. Sewage generation during the operational phase shall be 780.56 KL/day and it shall be discharged through the drainage system of Vadodara Mahanagar Seve Sadan (VMSS).
6. Rain water harvesting from rooftop and paved areas and ground water recharge through 9 nos. of percolation pits shall be carried out as per the details submitted. Before recharging the runoff, pre-treatment must be done.

Office: Gujarat Pollution Control Board, "Paryavaran Bhavan" Sector-10 A, Gandhinagar-382010

Phone No.: (079) 232-32152, 232-41514 Fax No.: (079) 232-22784

E-mail: [msseiaa@gmail.com](mailto:msseiaa@gmail.com), Website: [www.seiaa.gujarat.gov.in](http://www.seiaa.gujarat.gov.in)

#### **A.2.2 AIR:**

7. A D.G. Set (1 x 62.5 KVA) proposed as back up 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.
8. The exhaust of the D.G. Set shall be at least 3 m above roof top.
9. 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:**

10. The solid waste generated shall be properly collected and segregated at source. The recyclable material shall be sold to vendors whereas other garbage shall be disposed off properly as per the provisions made by the Vadodara Mahanagar Seve Sadan (VMS).

#### **A.2.4 SAFETY:**

11. 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. Two staircases shall be provided in each building having floor area more than 500 m<sup>2</sup> on each floor.
12. Fire fighting facilities like fire extinguishers, hose reel, manually operated electric fire alarm system, wet riser, underground static water storage tank-300 KL capacity, terrace tank - 170 KL capacity (total capacity) etc. shall be provided as proposed.
13. In basement at least two separate ramps of adequate width and slope shall be provided, located preferably at opposite ends.
14. Provision for adequate air changes per hour in the basement shall be made so as to avoid build up of CO in the area.
15. Car park exhaust system equipped with CO (Carbon Monoxide) sensor shall be provided to ensure operation of exhaust fans as CO concentration levels.

#### **A.2.5 PARKING / TRAFFIC CONGESTION:**

16. Minimum parking space of 21,802.97 m<sup>2</sup> [10,266.65 m<sup>2</sup> as open surface parking + 5,494.32 m<sup>2</sup> in hollow plinth + 6,042.0 m<sup>2</sup> in basement] shall be provided as proposed.

#### **A.2.6 ENERGY CONSERVATION:**

17. Energy conservation measures viz. maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, maximum use of RMC & aerated blocks, use of LED lighting fixtures and low voltage lighting, roof-top thermal insulation etc. shall be implemented as proposed.

#### **A.2.7 GREEN BELT:**

18. Green belt area of 3,355.73 m<sup>2</sup> comprising of 1,400.0 m<sup>2</sup> tree covered area 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**

19. 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.
20. Prior permission from the competent authority shall be obtained for cutting of the existing trees before site preparation work is commenced.
21. Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.
22. Temporary wind shield shall be done to prevent dust emission spreading outside the project premises. Barricade of adequate height shall be provided on the periphery of the construction site with adequate signages. Individual building within the project site shall also be provided with barricades.
23. Regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.
24. Material shall be covered during transportation to avoid the fugitive emission.
25. Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured.
26. Structural design of the project shall strictly adhere to the seismic zone norms for earthquake resistant structures.
27. The planning, designs and construction of all buildings shall be such as to ensure safety from fire.
28. The project proponent shall ensure maximum employment to the local people.
29. All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.
30. 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, etc.

MEMBERSHIP FEE

State Level Facilities

Impact

electricity & ventilation, canteen, rest rooms, safe disposal system for garbage, first aid, medical and emergency facilities etc. to ensure that they do not ruin the existing environmental condition. The housing may be in the form of temporary structures to be removed after completion of the project

31. 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 labors
32. First Aid Box shall be made readily available in adequate quantity at all the times
33. Training shall be given to all workers on construction safety aspects
34. 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.
35. 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
36. 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.
37. 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.
38. 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.
39. Safe disposal of wastewater and municipal solid wastes generated during the construction phase shall be ensured.
40. All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.
41. 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.
42. Construction debris shall be reused in construction of roads, leveling 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.
43. 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 neighboring communities.
44. Vehicles used 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.
45. 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
46. 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.
47. 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:**

48. 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.
49. 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.
50. Used oil shall be sold only to the registered recycler.
51. requisite fire fighting facilities as per the requirement of NBC and Gujarat Fire Prevention and Life Safety Measures Act-2013 & rules made there under shall be provided
52. Underground fire water storage tanks and terrace water storage tanks of adequate capacity shall be provided. Adequate provision shall be made to ensure that water from the Fire Water Tank shall not be used for any other purpose
53. Dedicated power back up system shall be provided in the case of power failure & emergency of fire water pumps
54. First Aid Box shall be made readily available in adequate quantity at all the times.
55. Main entry and exit shall be separate and clearly marked in the facility.
56. 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
57. Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency

**MEMBER SECRETARY**

State Level Environment

Impact Assessment Authority

(Gujarat)

Gujarat Pollution Control Board

Office: Gujarat

Sector-10 A, Gandhinagar-382010

Pollution Control Board, "Paryavaran Bhavan" Sector-10 A, Gandhinagar-382010

Phone No.:- (079) 232-22152, 232-41514 Fax No.:- (079) 232-22784

E-mail : [msseiaa@gmail.com](mailto:msseiaa@gmail.com), Website:- [www.seiaa.gujarat.gov.in](http://www.seiaa.gujarat.gov.in)

- vehicle around the premises.
58. 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.
  59. The area earmarked for the parking shall be used for parking only. No other activity shall be permitted in this area.
  60. 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.
  61. The project proponent shall install energy efficient devices, appliances, motors, and pumps conforming to the Bureau of Energy Efficiency norms.
  62. The transformers and motors shall have minimum efficiency of 85%.
  63. Only variable frequency motor drives shall be used in project.
  64. 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.
  65. Use of glass shall be minimal to reduce the heat island effect as well as to reduce the electricity consumption.
  66. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.
  67. Drip irrigation/low volume, low angle sprinkler system shall be used for the lawns and other green area including tree plantation.
  68. 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.
  69. 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.
  70. 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.
  71. 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.
  72. The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards proposed by them.
  73. 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.
  74. 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.
  75. 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.
  76. 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.
  77. 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 Trans 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:**

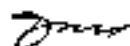
78. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
79. The applicant shall inform the 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.

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State Level Environment

stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.

81. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
82. The project authorities shall inform the GPCB, Regional Office of MoEF 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.
83. 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.
84. Any appeal against the environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 18 of the National Green Tribunal Act, 2010.

With regards,  
Yours sincerely,



(G. J. DAVE)  
Member Secretary

Issued to:

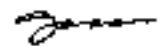
Mr. Jatin Thakar  
Executive Engineer,  
Gujarat Housing Board, Opp. Dominos Pizza,  
Ellorapark, Vadodara - 390023

Copy to:-

1. The Secretary, SEAC, C/O G.P.C.B. Gandhinagar - 382010.
2. The Secretary, Forests & Environment Department, Govt. of Gujarat, Block 14, 8<sup>th</sup> floor, Sachivalaya, Gandhinagar-382010.
3. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD cum-Office Complex, East Arjun Nagar, New Delhi-110032
4. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
5. Monitoring Cell, Ministry of Environment and Forests, Parivaran Bhavan, CGO Complex, New Delhi-110003
6. The Member Secretary, Gujarat Pollution Control Board, Parivaran Bhavan Sector-10 A, Gandhinagar-382010
7. Select File



(G. J. Dave)  
Member Secretary

  
**MEMBER SECRETARY**  
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Impact Assessment Authority  
(SEIAA - Gujarat)  
Gujarat Pollution Control Board,  
"Parivaran Bhavan"  
Sector-10 A, Gandhinagar-10

