

o/c



Regency House, Opp Vishnu Darshan Apt., Near Aman Cinema, **Date: 01.06.2023**  
Tel. 91 - 251 - 2540006, 2560003 - 4 Fax : 91 - 251 - 2560004  
Email : regency@regencyindia.in / info@regencyispat.com

**Environment Department,  
Room No. 217, 2<sup>nd</sup> Floor,  
Mantralaya, Annexe Building,  
Mumbai - 400 032**

**Subject:** Submission of Six-Monthly Report for our Proposed Expansion project of "Regency Antilia" located on plot bearing S. No. 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 14, 15, 16, 18, 20, 21 old no. 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57 & 58 at Village- Mharal, Taluka- Ulhasnagar, District- Thane, Maharashtra by Regency Nirman Limited.

**Reference:** Environment clearance letter received dated 04/06/2019

**Respected Sir,**

With reference to above subject, we have obtained Environmental Clearance for our Proposed Expansion project of "Regency Antilia" located on plot bearing S. No. 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 14, 15, 16, 18, 20, 21 old no. 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57 & 58 at Village- Mharal, Taluka- Ulhasnagar, District- Thane, Maharashtra by Regency Nirman Limited dated 04/06/2019

The proposal was considered as per EIA Notification- 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 90<sup>th</sup> meeting & recommended the project for prior environmental clearance to SEIAA in 163<sup>rd</sup> meeting. Environmental Clearance is granted with conditions on dated 04<sup>th</sup> July 2019.

As per the condition stipulated in the Environmental Clearance letter, we are hereby submitting our **Six-Monthly Report for June 2023** with due Annexures (Environment Monitoring Reports) for our project.

We hereby request you to kindly accept the same.

**Thanking you**

**Yours Faithfully,**

**Authorized Signatory  
For Regency Antilia**

**23/06/23**  
**Maharashtra Pollution Control Board**  
Kalpataru Point, 2nd Floor, Sion Circle,  
Opp. Cine Planet, Sion (East),  
Mumbai - 400 022.  
Tel. 24010437 / 24020781.  
Website : www.mpcb.gov.in

**ENVIRONMENTAL CLEARANCE  
SIX MONTHLY COMPLIANCE REPORT**

**FOR THE PERIOD OF**

**JUNE 2023**

**FOR**

**“PROPOSED EXPANSION PROJECT OF**

**“REGENCY ANTILIA”**

**ON PLOT BEARING S.NO. 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 14, 15, 16, 18,  
20, 21, OLD NO. 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56,  
57 & 58**

**AT**

**VILLAGE- MHARAL, TALUKA- ULHASNAGAR,  
DISTRICT- THANE, MAHARASHTRA**

**BY**

**REGENCY NIRMAN LTD**

## TABLE OF CONTENTS

<b>Sr. No</b>	<b>Description</b>	<b>Page nos.</b>
1.	INTRODUCTION	03
2.	ENVIRONMENTAL CLEARANCE DETAILS	03
3.	ENVIRONMENTAL CLEARANCE CONDITION	05
4.	ANNEXURE I- ENVIRONMENT MONITORING REPORTS	15

## **INTRODUCTION**

The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 90<sup>th</sup> meeting and recommend the project for prior environmental clearance to SEIAA.

Information submitted by proponent has been considered by State Level Environment Impact Assessment Authority in its 163<sup>rd</sup> meeting. It is noted that the proposal is considered by SEAC- II under screening category 8(b) as per EIA Notification 2006.

## **ENVIRONMENTAL CLEARANCE DETAILS-**

The proposal has been considered by SEIAA in its 163<sup>rd</sup> meeting dated April 02, 2019 (SEIAA STATEMENT- 0000002356) & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of specific and general terms and conditions

**Kindly refer copy of the letter attached as annexure.**

## **PROJECT DETAILS**

<b>SR. NO.</b>	<b>PARTICULARS</b>	<b>BASIC INFORMATION</b>
<b>1.</b>	Name of Project	Proposed Expansion project of “Regency Antilia” located on plot bearing S. No. 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 14, 15, 16, 18, 20, 21 old no. 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57 & 58 at Village- Mharal, Taluka- Ulhasnagar, District- Thane, Maharashtra.
<b>2.</b>	Name of Project Proponent, Address & Email Id	Regency Nirman Ltd Regency House, Near Aman Cinema, Opp. Vishnu Darshan Building, Ulhasnagar.
<b>3.</b>	Name of Qualified Building Environment Auditor (QBEA)	NA
<b>4.</b>	Accreditation of Consultant (NABET/QCI Accreditation)	Building Environment (India) Pvt. Ltd Dakshina Building, Office No-401,4th Floor, Beside Raigad Bhavan, Sakal Bhavan Rd, Sector 11, Cbd Belapur, Navi Mumbai, Maharashtra 400614
<b>5.</b>	Location of the Project	On Plot bearing S. No. 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 14, 15, 16, 18, 20, 21 old no. 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57 & 58 at Village- Mharal, Taluka- Ulhasnagar, District- Thane, Maharashtra.
<b>6.</b>	Note on the initiated work (If Applicable)	The proposed project has received Environmental Clearance dated 10 <sup>th</sup> April 2014 for total construction built up area 5,12,640.52 Sq.mt. which cover 13 residential buildings. Out of this, 3 residential buildings with one assembly building constructed. Details are as follows: Type A (Wing I & II)- Stilt + Podium + 24 Residential floors Type C1(Wing I & II)- Stilt + Podium + 24 Residential floors Type C2 (Wing III & IV)- (Wing I & II)- Stilt + Podium + 24

		Residential floors Club House (Assembly Building)- Stilt + 5 Floors i.e. Till date construction completed is 1,13,402.87 Sq.mt. and it is as per EC
<b>7.</b>	LOI/NOC from MHADA/ Other Approvals (If Applicable)	The Building Plan sanctioned by the Ulhasnagar Municipal Corporation
<b>8.</b>	Total Plot Area (Sq. m.)	2,47,700.00 Sq.mt.
<b>9.</b>	Deductions	98,894.00 Sq.mt.
<b>10.</b>	Net Plot Area in Sq.m	1,48,806.00 Sq.mt.
<b>11.</b>	Proposed Built Up Area (FSI & Non FSI )	Proposed Built Up Area: 6,96,600.00 Sq.mt. (4,46,000.00 Sq.mt. F.S.I. + 2,50,600.00 Sq.mt. NON FSI)
<b>12.</b>	Total GroundCoverage (Sq. m) & Its % (Note: Percentage Of Plot not open to sky)	76,565.00 (30.9%)
<b>14.</b>	Population of Project	21020 Nos.

## ENVIRONMENTAL CLEARANCE CONDITION

### **EC Identification No. SEIAA-EC-0000001606 dated 04/06/2019**

As per the integrated environmental conditions of the EC letter, following are the EC conditions stipulated for the project and point-wise compliance status of each of the conditions as on date of this report

<b>Sr. No.</b>	<b>Conditions</b>	<b>Compliance</b>	<b>Annex</b>	<b>Photo</b>
<b>I)</b>	<b>General conditions:</b>			
1.	E-waste shall be disposed through Authorized vendor as per E-waste (Management & Handling) Rules, 2016	Noted	--	--
2.	The occupancy certificate shall be issued by the local planning authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of Treated water as per environmental norms.	Noted	--	--
3.	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild Life angle including clearance from the standing committee of the National Board for Wild Life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild Life clearance granted to the project which will be considered separately on merit	Not applicable. There is no forest or wild life century is within 10 km radius.	--	--
4.	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Noted and adhere too	--	--
5.	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	Noted	--	--

6.	If applicable consent for establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the environment department before start of any construction work at the site	Noted. Consent to Establish received.	--	--
7.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Noted. All facilities are provided for the workers and laborers and will be maintained throughout the construction phase.	--	--
8.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured	Noted. All facilities are provided for the workers and laborers and will be maintained throughout the construction phase.	--	--
9.	The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	Noted.	--	Site photographs are attached here with
10.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Noted and complied too.	--	--
11.	Arrangement shall be made that waste water and storm water do not get mixed.	Waste water will be treated in sewage treatment plant and reused for flushing and gardening purpose and excess treated sewage will be send to sewer line where as stormwater will be send through storm water line. All precautions will be taken to do not mix both.	--	--
12.	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Noted.	--	--

13.	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved	Noted. Shall be complied.	--	--
14.	Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ agriculture Dept.	Noted and adhere too. Green belt development is carried out by considering the CPCB guidelines.	--	--
15.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Noted.	--	--
16.	Construction spoils, including bituminous materials and other hazardous materials must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.	Noted	--	--
17.	Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board	Noted and adhere too.	--	--
18.	The diesel generator sets to be used during construction phase should be low Sulphur diesel type and should Conform to environments (protection) rules prescribed for air and noise emission standards	Noted and complied too.	--	--
19.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken	Noted		

19.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Noted and complied too. Vehicles which come to construction site shall be checked for PUC and conform to applicable air and noise emission standards and should be operated only during non-peak hours. Also, water sprinkling is done and landscape development is done to reduce the air and noise pollution.	--	--
20.	Ambient noise levels should conform to residential standards both during day and night. Incremental Pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	Noted. Environmental monitoring reports are attached as annexure.	Annexure I	--
21.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27 <sup>th</sup> August, 2003. (The above condition is applicable only if the project site is located within the 100km of Thermal Power Stations).	Noted.	--	--
22.	Ready mixed concrete must be used in building construction.	Noted	--	--
23.	Storm water control and its reuse as per CGWB and BIS standards for various applications.	Noted	--	--
24.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Noted and adhere too.	--	--
25.	The ground water level and its quality should be monitored regularly in consultation with ground water authority.	Not applicable	--	--

26.	The installation of the sewage treatment plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	Noted and adhere too	--	--
27.	Permission to draw ground water and construction of basement if any shall be obtained from the competent authority prior to construction/operation of the project.	There is no provision for ground water usage.	--	--
28.	Separation of Gray and Black water should be done by the use of dual pumping line for separation of Gray and Black water.	Noted	--	--
29.	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control	Noted. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control	--	--
30.	Use of glass may be reduced upto 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Noted	--	--
31.	Energy conservation measures like installation of CFLs/TFLs for lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs/TFLs should be properly collected and disposed off/ sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.	Noted	--	--

	Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.			
32.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (protection) act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low Sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	Noted and shall be complied	--	--
33.	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noted	--	--
34.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.  Parking should be fully internalized and no public space should be utilized	Noted and adhere too.	--	--
35.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Noted	--	--
36.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Noted	--	--
37.	Regular supervision of the above and other	Noted.	--	--

	measures for monitoring should be in place all through the Construction phase, so as to avoid disturbance to the surroundings.	Separate supervision of the above and other measures for monitoring should be in place all through the Construction phase, to avoid disturbance to the surroundings will be done.		
38.	Under the provisions of environment (protection) act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining Environmental Clearance.	Noted. Environmental clearance is obtained for whole project.	--	--
39.	Six monthly monitoring reports should be submitted to the Regional Office MoEF, Bhopal with copy to this department and MPCB.	Noted	--	--
40.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line no physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	Noted	--	--
41.	Wet Waste should be treated by Organic Waste Converter and treated waste (manure) should be utilized in existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.	Noted	--	Site photographs are attached here with
42.	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Noted	--	--

43.	A complete set of all documents submitted to Department should be forwarded to the Local Authority and MPCB.	Noted	--	--
44.	In the case of any change(s) in the scope of the project, the project would require fresh appraisal by this Department.	Noted	--	--
45.	A separate Environment Management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Noted. Separate environment management cell with qualified staff is appointed for implementation of the stipulated environmental safeguards	--	--
46.	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the Environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the MPCB & this department.	Noted.	--	--
47.	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of Clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at website <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>	Noted.	--	--
48.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 <sup>st</sup> June & 1 <sup>st</sup> December of each calendar year.	Noted. EC compliance shall be done regularly. Environmental monitoring reports are attached as annexure.	--	--

49.	A copy of clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Noted.	--	--
50.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NOX (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the Company in the public domain.	Noted. EC compliance shall be done regularly. Environmental monitoring reports are attached as annexure.	Annexure-I	--
51.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional office of MOEF, the respective Zonal office of CPCB and the SPCB	Noted. EC compliance shall be done regularly. Environmental monitoring reports are attached as annexure.	Annexure-I	--
52.	The environmental statement for each financial year ending 31st march in Form-V as is mandated to be submitted by the project proponent to the concerned state pollution control board as prescribed under the Environment (protection) rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional offices of MOEF by e-mail.	Noted.	--	--

<b>General Conditions</b>
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4.	The environmental clearance is being issued without prejudice to the action initiated under EP act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP act or of the hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP act
5.	In case of submission of false document and non-compliance of stipulated conditions, authority/ environment department will revoke or suspend the environment clearance without any intimation and initiate appropriate legal action under environmental protection act, 1986
6.	The Environment Department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
7.	Validity of environment clearance: the environmental clearance accorded shall be valid as per EIA notification, 2006, and amendments by MoEF&CC Notification dated 29 <sup>th</sup> April, 2015.
8.	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
9.	The above stipulations would be enforced among others under the water (prevention and control of pollution) act, 1974, the air (prevention and control of pollution) act, 1981, the environment (protection) act, 1986 and rules there under, hazardous wastes (management and handling) rules, 1989 and its amendments, the public liability insurance act, 1991 and its amendments.
10.	Any appeal against this environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1 <sup>st</sup> Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal act, 2010



# Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 10, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India.  
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SAVE WATER  
SAVE LIFE

## ANALYSIS TEST REPORT

Report No	SEETL/Project/AR/05/2023/323	Report Date	31/05/2023
Name of Client	M/s. Regency Antilia		
Address of Client	Proposed Expansion Project of "Regency Antilia" located on plot bearing S. No. 2,3,4,5,6,7,8,9,11,12,14,15,16,18,20,21, old NO. 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57 & 58 at a Village- Mharal, Tal- Ulhasnagar, Dist- Thane, Maharashtra.		
Order / Reference	-		
Date Of sampling	25/05/2023	Sample Receipt Date	26/05/2023
Analysis Started on	26/05/2023	Analysis Completed On	31/05/2023
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	24.7	Humidity (%) 52

### AMBIENT AIR STATION

Location of H.V.S.	Near Main Gate		
Lateral Distance	5.0 Meter from Main Gate		
Receptor Distance	1.5 Meters From Ground Level		
Ambient Temperature (°c)	31	Humidity (%)	44
Wind Speed (km/hr)	09	Wind Direction (deg )	NNE,30
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550),G.P.S.(APM – 411) & Benzene Sampler GTI-177		

### POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM <sub>10</sub>	68	µg/m <sup>3</sup>	100.00	IS 5182(Part 23)2006RA: 2022
PM <sub>2.5</sub>	29	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011: 2022
SO <sub>2</sub>	15	µg/m <sup>3</sup>	80.00	IS 5182(Part 2): 2001 RA: 2022
NO <sub>2</sub>	30	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 RA: 2022
CO	1.2	mg/m <sup>3</sup>	04.00	IS 5182 (Part 10) : 1999 RA 2019
Ozone (O <sub>3</sub> )	24	µg/m <sup>3</sup>	180.00	IS 5182 (Part 9): 1974 RA: 2019

**NOTE:** 1) The above results relate only to the item tested & the condition prevailing at the time of sampling  
 2) PM<sub>10</sub>-Particulate Matter of size < 10 µm, PM<sub>2.5</sub>- Particulate Matter of size < 2.5 µm  
 3) NAAQS-National Ambient Air Quality Standards  
 4) This certificate may not be reproduced in part, without the permission of this Laboratory.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



*Nilesh Naik*  
Authorized Signatory  
Nilesh Naik



# Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604, Maharashtra State, India  
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5/10/2023  
5/10/2023

## ANALYSIS TEST REPORT

Report No	SEETL/Project/ST/05/2023/324-325	Report Date	31/05/2023
Name of Client	M/s. Regency Antilia		
Address of Client	Proposed Expansion Project of "Regency Antilia" located on plot bearing S. No. 2,3,4,5,6,7,8,9,11,12,14,15,16,18,20,21, old NO. 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57 & 58 at a Village- Mharal, Tal- Ulhasnagar, Dist- Thane, Maharashtra.		
Order / Reference	-		
Date Of sampling	25/05/2023	Sample Receipt Date	26/05/2023
Analysis Started on	26/05/2023	Analysis Completed On	31/05/2023
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	24.7	Humidity (%) 52

## DETAILS OF STACK

Attached To	DG I - 125 KVA (Near Type A Building)	DG II - 125 KVA(Near Type C Building)
Shape	Round	Round
Diameter (mm)	135	135
Height From Ground Level (Mtr)	1.2	1.2
Temperature (°C)	181.00	192.00
Velocity of Flue Gases (m/sec)	13.94	14.11
Volume of Flue Gases (m <sup>3</sup> /hour)	718.32	726.97
Type of Fuel	HSD	HSD

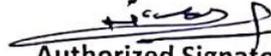
## POLLUTIONAL PARAMETERS

Parameters	Result		Units	MPCB Limit	Method
	DG I	DG II			
Total Particulate Matter	43	41	mg/Nm <sup>3</sup>	150.00	IS 11255 (Part 1) : 1985 RA: 2019
SO <sub>2</sub>	1.6	1.5	Kg/Day	-	IS 11255 (Part 2) : 1985 RA: 2019

- NOTE:** 1) The above results relate only to the condition prevailing at the time of sampling.  
2) The above results relate only to the item tested.  
3) This certificate may not be reproduced in part, without the permission of this Laboratory.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



  
Authorized Signatory  
Nilesch Naik



# Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, MIDC, Wagle Industrial Area, Thane - 400 604, Maharashtra State, India  
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## ANALYSIS TEST REPORT

Report No	SEETL/Project/ST/05/2023/326-327	Report Date	31/05/2023
Name of Client	M/s. Regency Antilla		
Address of Client	Proposed Expansion Project of "Regency Antilla" located on plot bearing S. No. 2,3,4,5,6,7,8,9,11,12,14,15,16,18,20,21, old NO. 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57 & 58 at a Village- Mharal, Tal- Ulhasnagar, Dist- Thane, Maharashtra.		
Order / Reference	-		
Date Of sampling	25/05/2023	Sample Receipt Date	26/05/2023
Analysis Started on	26/05/2023	Analysis Completed On	31/05/2023
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	24.7	Humidity (%) 52

## DETAILS OF STACK

Attached To	DG III - 200 KVA (Near RMC Plant)	DG IV - 200 KVA (Near Garden Infrastructure)
Shape	Round	Round
Diameter (mm)	150	150
Height From Ground Level (Mtr)	1.2	1.2
Temperature (°C)	184.00	185.00
Velocity of Flue Gases (m/sec)	12.96	14.00
Volume of Flue Gases (m <sup>3</sup> /hour)	824.71	890.71
Type of Fuel	HSD	HSD

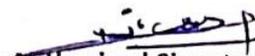
## POLLUTIONAL PARAMETERS

Parameters	Result		Units	MPCB Limit	Method
	DG III	DG IV			
Total Particulate Matter	43	41	mg/Nm <sup>3</sup>	150.00	IS 11255 (Part 1) : 1985 RA: 2019
SO <sub>2</sub>	1.1	1.2	Kg/Day	-	IS 11255 (Part 2) : 1985 RA: 2019

- NOTE:** 1) The above results relate only to the condition prevailing at the time of sampling.  
2) The above results relate only to the item tested.  
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\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



  
Authorized Signatory  
Nilesch Naik



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5076 UJHCB  
5076 UJHCB

## ANALYSIS TEST REPORT

Report No.	SEETL/Project/AR/05/2023/328-331	Report Date	31/05/2023
Name of Client	M/s. Regency Antilia		
Address of Clients	Proposed Expansion Project of "Regency Antilia" located on plot bearing S. No. 2,3,4,5,6,7,8,9,11,12,14,15,16,18,20,21, old NO. 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57 & 58 at a Village- Mharal, Tal- Ulhasnagar, Dist- Thane, Maharashtra.		
Order / Reference	-		
Date Of Monitoring	25/05/2023	Time of Sampling	Day & Night
Monitored By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-31

### NOISE LEVEL MONITORING

Sr. No.	Sampling Location (From 1 meter away)	Noise Levels in dB(A) Leq (DAY TIME)	Noise Levels in dB(A) Leq (NIGHT TIME)
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### WORKPLACE NOISE LEVEL MONITORING

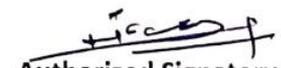
1)	Near Main Gate	51.3	44.2
2)	Near Site Office	52.1	43.1
3)	Centre side of Site	49.5	44.6
4)	Near C1 Tower of site	48.7	43.4

Method:-IS:9989-1981 (RA 2020)

- NOTE:** 1) Limit During Day time < 75. (Day time shall mean from 6.00 am to 10.00 pm.)  
2) Limit During Night time < 70. (Night time shall mean from 10.00 pm to 6.00 am.)  
3) As per Factory Act Rules ,1963 scheduled XXIV Noise Limit 90dB(A) dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.  
4) A "decibel" is a unit in which noise is measured.  
5) "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human hear.  
6) Leq: It is the energy mean of the noise level over a specified period.  
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## ANALYSIS TEST REPORT

Report Number	SEETL/Project/S/05/23/164		Report Date	31/05/2023
Name of Client	M/s. Regency Antilia			
Address of Client	Proposed Expansion Project of "Regency Antilia" located on plot bearing S. No. 2,3,4,5,6,7,8,9,11,12,14,15,16,18,20,21, old NO. 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57 & 58 at a Village- Mharal, Tal- Ulhasnagar, Dist- Thane, Maharashtra			
Order /Reference	-			
Sample Collection Date	25/05/2023	Sample Receipt Date	26/05/2023	
Analysis Started On	26/05/2023	Analysis Completed On	31/05/2023	
ULR Number	-			
Sampling Plan	SEETL/LD/F-03		Sampling SOP No.	SEETL/LD/SOP/SA-32
Environmental Condition	Temp ° C	26.0	Humidity %	61
Sample Point	Garden Area			
Sample Details	Soil Sample			
Sample Container	Polythene Bag		Sample Quantity	1 kg
Sample Collected By	SEETL Representative			

Sr. No.	Parameters	Results	Unit	Method
1	pH	7.41	-	IS 2720 (Part 26) : 1987 (Reaff.2021)
2	Residual chlorine	8.875	mg/kg	IS 3025 (Part-26/5):2021
3	Chloride as Cl	823.6	mg/kg	SEETL/LD/SOP-SA/19
4	Sulphate as SO <sub>4</sub>	357.5	mg/kg	SEETL/LD/SOP-SA/28
5	Phosphate as P	300	mg/kg	SEETL/LD/SOP-SA/08
6	Nitrate as N	4.00	mg/kg	SEETL/LD/SOP-SA/24
7	Nitrite as N	0.328	mg/kg	SEETL/LD/SOP-SA/25
8	Arsenic as As	3.257	mg/kg	SEETL/LD/SOP-SA/22
9	Cadmium as Cd	5.102	mg/kg	SEETL/LD/SOP-SA/22
10	Chromium as Cr	14.439	mg/kg	SEETL/LD/SOP-SA/22
11	Cobalt as Co	5.002	mg/kg	SEETL/LD/SOP-SA/22
12	Copper as Cu	9.905	mg/kg	SEETL/LD/SOP-SA/22
13	Lead as Pb	10.254	mg/kg	SEETL/LD/SOP-SA/22
14	Manganese as Mn	225.591	mg/kg	SEETL/LD/SOP-SA/22
15	Exchangeable Magnesium	1072.049	lbs/acre	SEETL/LD/SOP-SA/23
16	Mercury as Hg	0.0099	mg/kg	SEETL/LD/SOP-SA/22



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Nilesh Naik



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## ANALYSIS TEST REPORT

Report Number	SEETL/Project/S/05/23/164	Report Date	31/05/2023	
Name of Client	M/s. Regency Antilia			
Address of client	Proposed Expansion Project of "Regency Antilia" located on plot bearing S. No. 2,3,4,5,6,7,8,9,11,12,14,15,16,18,20,21, old NO. 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57 & 58 at a Village- Mharal, Tal- Ulhasnagar, Dist- Thane, Maharashtra			
Order/Reference	-			
ULR Number	-			
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/SA-32	
17	Nickel as Ni	16.034	mg/kg	SEETL/LD/SOP-SA/22
18	Iron as Fe	9292.816	mg/kg	SEETL/LD/SOP-SA/22
19	Potassium as K	965.201	Kg/ha	SEETL/LD/SOP-SA/22
20	Sodium as Na	500.039	mg/kg	SEETL/LD/SOP-SA/22
21	Zinc as Zn	44.713	mg/kg	SEETL/LD/SOP-SA/22
22	Color	Dark Brown	-	SW 846
23	Soil texture	Clay Loam	-	DOACMOAGOI
24	Grain Size Distribution			
	Gravel	-	%	DOACMOAGOI
	Sand	50	%	
	Silt	15	%	
	Clay	35	%	
25	Natural Moisture Content	11.40	%	SEETL/LD/SOP-SA/13
26	Bulk Density	1.004	g/cm <sup>3</sup>	IS :2720 (Part 8) - 1983
27	Porosity	62.11	%	DOACMOAGOI
28	Water holding Capacity	58.69	%	DOACMOAGOI
29	Electrical Conductivity	16.08	mS/cm	IS :14767 : 2000
30	Organic matter	1.65	%	SEETL/LD/SOP-SA/05
31	Exchangeable Calcium	232.64	1bs/acre	SEETL/LD/SOP-SA/18
32	Total Nitrogen as N	112	Kg/ha	SEETL/LD/SOP-SA/14

**Note :** Test results related only to the sample tested.

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DOACMOAGOI:- Dept. of Agriculture & Cooperation Ministry of Agriculture Govt. of India



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Page 2 of 2

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## ANALYSIS TEST REPORT

Report Number	SEETL/Project/WW/05/23/159-160	Report Date	31/05/2023	
Name of Client	M/s. Regency Antilia			
Address of Client	Proposed Expansion Project of "Regency Antilia" located on plot bearing S. No. 2,3,4,5,6,7,8,9,11,12,14,15,16,18,20,21, old NO. 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57 & 58 at a Village- Mharal, Tal- Ulhasnagar, Dist- Thane, Maharashtra			
Order/Reference	-			
Sample Collection Date	25/05/2023	Sample Receipt Date	26/05/2023	
Analysis Started On	26/05/2023	Analysis Completed On	31/05/2023	
ULR Number	-			
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/WA-62	
Environmental Condition Of Lab	Temp <sup>o</sup> C	25.9	Humidity %	50
Sampling Point	STP effluent- STP 1.7 MLD			
Sample Details	I – Raw Effluent		II – Treated Effluent	
Sample Container	PVC Can	Sample Quantity	2000 ml Each	
Sample Collected By	SEETL Representative			

### Chemical Parameters

Sr. No.	Parameters	Results		Unit	MPCB Limits	Method
		I	II			
1	pH	6.47	7.7	-	5.5-9.0	IS 3025 (part 11 ):2022
2.	COD	875	38	mg/l	50.00	APHA-5220-B
3.	BOD (27 <sup>o</sup> C 3 day)	242	8.00	mg/l	10.00	IS 3025 (Part 44) : 1993 Reaffirmed 2014
4.	TSS	217	5.0	mg/l	10.00	APHA-2540-D
5.	Residual Chlorine	<0.2	<0.2	ppm	1.00	IS 3025 (Part-26/5):2021

**Note :** Test results related only to the sample tested.

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: APHA 24<sup>th</sup> Edition :2022

: Retention Period of Sample is 15 days from the date of Analysis report.

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