

**Date: 21.12.2023**

**To,**  
**The Additional Director (S),**  
Regional Office (WCZ),  
Ministry of Environment, Forest and Climate Change,  
Nagpur.

**Subject** : Environmental Clearance for revalidation & minor amendment for proposed residential project “Lodha Eternis” on plot bearing CTS No. 67, 74, 78, 75 & 80 of Mulgaon village at Andheri (E), Mumbai..

**Reference** : **EC Identification no: SEIAA-2015/CR-212/TC-1 dated 26/08/2016**

Respected Sir,

Environmental Clearance for revalidation& minor amendment for proposed residential project “Lodha Eternis” on plot bearing CTS No. 67, 74, 78, 75 & 80 of Mulgaon village at Andheri (E), Mumbai.is being developed by **M/S. LODHA IMPRESION REAL ESTATE PVT. LTD.**

As per EIA notification dated 14<sup>th</sup> September 2006 & conditions stated in Environmental Clearance Letter, we are submitting **April 2023- September2023 Six Monthly Compliance Monitoring Report.**

We request to acknowledge the same and oblige.

Thanking you,

Yours Sincerely,

**For M/S. LODHA IMPRESION REAL ESTATE PVT. LTD.**



**Authorized Signatory**

**Enclosures:**

1. Point wise compliance report

# **COMPLIANCE REPORT**

## **PERIOD**

**(APRIL 2023 TO SEPTEMBER 2023)**

**For**

## **PROPOSED RESIDENTIAL DEVELOPMENT “LODHA ETERNIS”**

**(Environmental Clearance vide letter No. SEAC-2010/CR.488/TC.2 dt. 21.01.2011)  
(EC Amendment: SEAC-2010/CR.488/TC.2dt.14.05.2013 and  
(Revalidation & Minor Amendment SEAC-2015/CR-212/TC-1 dt. 26.08.2016)**

**AT**

**MULGAON, MIDC, ANDHERI, MUMBAI**

*Proposed By*

**LODHA IMPRESSION REAL  
ESTATE PVT.LTD.**

## Project Details

Sr. No.	Particulars	Details
1	Project type: River- valley/mining /Industry/Thermal/Nuclear/other(specify)	Construction Project
2	Name of the Project	Proposed Residential project "Lodha Eternis"
3	Clearance letter(s)/OM and Date	<u>Environmental Clearance</u> vide letter No. SEAC-2010/CR.488/TC.2 dt. 21.01.2011.  <u>EC Amendment:</u> SEAC-2010/CR.488/TC.2dt.14.05.2013  <u>Revalidation &amp; Minor Amendment:</u> SEAC-2015/CR-212/TC-1 dated 26.08.2016.
4	Location	CTS No. 67, 74, 78, 75 & 80 of Mulgaon MIDC, at Andheri (E), Mumbai
	a) District(s)	Mumbai
	b) State(s)	Maharashtra
	c) Latitude/Longitude	N 19°07'20.22" E 72°52'05.61"
5	Address of correspondence	
	a) address of concerned Project Chief Executive (with pin code & telephone/telex/fax numbers)	<b>Mr. Rupesh Kadam</b> Lodha Impression Real Estate Pvt. Ltd. 412, Floor- 4, 17G , Vardhaman Chamber, Cawasji Patel Road, Horniman Circle, Fort, Mumbai – 400001. Tel: 022- 23024400 Email: <a href="mailto:rupesh.kadam2@lodhagroup.com">rupesh.kadam2@lodhagroup.com</a>
	b) Address of Executive Project Engineer/Manager (with pin code/fax numbers)	Same as above
6	Salient features	
	a) of the Project	2B+G+8 F (7 bldgs) 2B+G+9 F (3 bldgs) 2B+G+7 F (2 bldgs)
	b) of the Environmental Management Plan	Sewage treatment plant, solar system, Rain water harvesting system, Solid waste management through Mechanical composting will be provided on site.
7	Break up of the project area	Attached
	a) submergence area : forest & non-forest	NA
8	Break up of the project affected population with enumeration of those losing houses/dwelling unit only agricultural land only, both dwelling units & agricultural land & landless laborers/	NA
	a) SC, ST / Adivasis	N.A.
	b) Others (Please indicate whether these figures are	N.A.

**Compliance Report for Proposed Residential Project at Andheri**

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<b>Sr. No.</b>	<b>Particulars</b>	<b>Details</b>	
	based on any scientific and systematic survey carried out or only provisional figures, if a survey carried out gives details and years of survey)		
9	Financial details:		
	a) Project cost as originally planned and subsequent revised estimates and the year of price reference.	Rs.213 Crore	
	b) Allocation made for environmental management plans with item wise and year wise break-up	Construction Cost	593.5 Lakhs
		Operation & Maintenance Cost	62.1 Lakhs/Y
	c) Benefit cost ratio/Internal rated of Return and the year of assessment	N.A.	
	d) Whether (c) includes the cost of environmental management as shown in the above	N.A.	
	e) Actual expenditure incurred on the environmental management plans so far	N.A.	
10	Forest land requirement	No Forest Land Required.	
	a) The status of approval for diversion of forest land for non-forestry use	N.A.	
	b) The status of clearing felling	N.A.	
	c) The status of compensatory	N.A.	
	d) afforestation, if any	N.A.	
	e) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far	N.A.	
11	The status of clear felling in non-forest area (such as submergence area of reservoir, approach roads), if any with quantitative information	N.A.	
12	Status of construction		
	a) Date commencement (Actual and/or planned)		
	b) Date of completion (Actual and/or planned)		
13	Reasons for the delay if the project is yet to start	NA	
14	Dates of site visits		
	a) The dates on which the project was monitored by the Regional office on previous occasions, if any	Site not yet visited by official of MoEF Regional Office, Nagpur.	
	b) Date of site visit for this monitoring report	Not yet finalized.	

Compliance Report for Proposed Residential Project at Andheri

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<b>Sr. No.</b>	<b>Particulars</b>	<b>Details</b>
15	Details of correspondence with project authorities for obtaining action plans/information on status of compliance to safeguards other than the routine letters for logistic support for site visits) (The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently)	Environmental Clearance vide letter No. SEAC-2010/CR.488/TC.2 dt. 21.01. 2011..  <u>EC Amendment:</u> SEAC-2010/CR.488/TC.2dt.14.05.2013  <u>Revalidation &amp; Minor Amendment:</u> SEAC-2015/CR-212/TC-1 dated 26.08.2016, Received from government of Maharashtra

**PRESENT STATUS OF PROPOSED EXPANSION of RESIDENTIAL  
DEVELOPMENT AT MULGAON, MIDC, ANDHERI, MUMBAI**

**EC No.** : EC: SEAC-2010/CR.486/TC.2 dt. 21.01.2011  
EC Amendment:  
SEAC-2010/CR.488/TC.2dt.14.05.2013  
Revalidation & Minor Amendment:  
SEAC-2015/CR-212/TC-1 dated 26.08.2016

**Project name** : “PROPOSED RESIDENTIAL DEVELOPMENT “LODHA  
ETERNIS”

**Project location** : CTS No. 67, 74, 78, 75 & 80 of Mulgaon MIDC, at Andheri  
(E), Mumbai.

**Developer name** : **LODHA IMPRESSION REAL ESTATE PVT. LTD.**

**Developers address** : **LODHA IMPRESSION REAL ESTATE PVT LTD.**  
Mr. Atul jangam  
Lodha Pavilion, Apollo Mills Compound,  
N. M. Joshi Marg, Mahalaxmi,  
Mumbai – 400011

**SITE STATUS: -**

**Building No: 1, 9, 10, 11** Work completed and OC granted  
**Building No: 2, 3,5,6,8** Work completed and OC granted  
**Building No: 4:** Work completed OC granted  
**Building no 7:** 3<sup>rd</sup> Floor slab initiated  
**Building no 12:** Work not started.

**Compliance to Environmental Clearance vide letter No. SEAC-2010/CR.486/TC.2 dt. 21.01.2011 & EC Amendment: SEAC-2010/CR.488/TC.2dt.14.05.2013 and Revalidation & Minor Amendment: SEAC-2015/CR-212/TC-1 dated 26.08.2016**

Sr. No.	EC Conditions	Compliance Status
<b>General Conditions for pre-construction phase</b>		
i)	This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this. This environmental clearance issued with respect to the environmental consideration and it does not mean that state level impact authority (SEIAA) approved the proposed land use.	MCGM has approved the building plans considering the DP Plan of the area.
ii)	In all buildings, the staircase to be turned at the ground level to ensure that the residents can be speedily evacuated on ground outside the building in the event of an emergency situation; PP to ensure that no fire staircase goes to the basement level.	Noted
iii)	E-waste shall be disposed through authorized vendor as per E- waste (Management and Handling) rules, 2016.	Noted. Household E- waste shall be handed over to authorized vendor as per the E- waste (management and handling) rules, 2016.
iv)	Occupation certificate shall be issued to the project by Local planning authority only after ensuring availability of drinking water and connectivity of the sewer line to the project site.	Noted
v)	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 considered separately on merit.	Not applicable
vi)	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Yes we Agree

**Compliance Report for Proposed Residential Project at Andheri**

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Sr. No.	EC Conditions	Compliance Status
vii)	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 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.	Building plans are approved by MCGM as per local norms.
viii)	“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.	<p>Consent for establish has been obtained from the MPCB. Consent and their updates are listed below:</p> <ul style="list-style-type: none"> <li>• BO/RO(P&amp;P)EIC No. MU-1376-10/E/CC-263 dtd 9 /07 /2010.</li> <li>• BO/RO(P&amp;P)EIC No. MU-1376-10/E/Amend/CC-381 dtd 29 /10 /2010</li> <li>• MPCBHQ/ROHQ/Mumbai/CE/CC/7171 Dated - 27.08.2013</li> <li>• Format1.0/BO/ROHQ/CE-Revalidation /CC-9404 Dated 25.07.2016</li> <li>•</li> </ul> <p>Consent to Operate has been obtained from MPCB. Consent and their updates are listed below:</p> <ul style="list-style-type: none"> <li>• MPCBHQ /ROHQ/Mumbai/CO/CC/7149 dtd 27/08/2013</li> <li>• Format 1.0 /BO /ROHQ /CR/CC-4363 dtd29/03/2016.</li> <li>• Format 1.0/BO/CAC-cell/UAN No. 0000036962/CO(Part-II)/CAC-1810001220 dtd. 23.10.2018.</li> <li>• Formate1.0/CAC-CELL/UAN No.0000080708/Co2003000820 dated 13/03/2020</li> </ul>
ix)	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase	Temporary sanitation with separate toilets with septic tanks, soak pits for labours was provided on the site. Right now there is no labour camp on the site.
<b>General Conditions for Construction Phase -</b>		




**Compliance Report for Proposed Residential Project at Andheri**

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<b>Sr. No.</b>	<b>EC Conditions</b>	<b>Compliance Status</b>
(i)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.	Fuel and other household materials, mobile toilets, safe drinking water, medical health care, crèche etc. was supplied to the workers. A labour camp not exist currently on site
(ii)	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.	Separate water connection from MCGM was taken for drinking water. Necessary facilities were provided for workers. The waste generated from the labour camps was mostly household waste which is collected and disposed off in municipal bins.
(iii)	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.	The solid waste generated are properly collected and segregated at site. Dry / inert solid wastes are disposed off to the approved sites for land filling after recovering recyclable material.
(iv)	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 approval sites with the approval of competent authority.	The muck is disposed with permission of competent authority at approved site.  Re-utilization and recycling strategy for construction debris is followed. Recycled aggregate is used for filling application. Excess muck is disposed with the permissions of competent authority at approved site.
(v)	Arrangement shall be made that waste water and storm water do not get mixed.	We have made such arrangement that storm water and waste water not get mixed. Separate pipeline for SWD & waste water have been provided.
(vi)	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Top layer of soil is reused for the development of green belt.
(vii)	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.	No additional soil is required for leveling as we have done backfilling from the soil generated from site.

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<b>Sr. No.</b>	<b>EC Conditions</b>	<b>Compliance Status</b>
(viii)	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dpt.	The landscape is developed considering CPCB guidelines. As of today we have planted approximately 100 Nos. of trees. The tree species planted are of local variety. Photographs of the same are attached in annexure
(ix)	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.	Soil and water samples are tested from MoEF recognized laboratory regularly.  Copy of the reports are attached.  This being residential project there is no possibility of contamination of toxic and heavy metals.
(x)	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminant watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.	Such types of wastes are not anticipated in this activity. However, all possible measures were taken to avoid contamination of water bodies/streams.
(xi)	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Project being residential real estate, no hazardous waste is expected during construction and operation phase.
(xii)	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.	DG of 750 kVA and 500 kVA are installed on site  The D. G. set is enclosed type and as per CPCB norms.  
(xiii)	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken	The diesel is procured as and when required. No diesel is stored on site.

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<b>Sr. No.</b>	<b>EC Conditions</b>	<b>Compliance Status</b>
(xiv)	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.	Regular maintenance of construction vehicles is carried out to keep them in good condition. The vehicles having PUC certificate is used.  Adequate parking space is made for construction vehicles inside the construction premises to lessen the impacts on traffic in surrounding areas
(xv)	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.	The noise levels as well as air quality was monitored from MoEF recognized laboratory.  Copy of the reports is attached.
(xvi)	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).	Ready mix concrete with fly ash is used in the construction.
(xvii)	Ready mixed concrete must be used in building construction.	Ready mix concrete is used for building construction.
(xviii)	The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipments etc. as per National Building Code including measures from lighting.	We will obtain approval of competent authority for Structural Safety. We will progress the construction as per the Planning Authorities approval which consider the structural safety, firefighting measures etc while granting the approval.  Photographs for fire- fighting measures are attached in Annexure.
(xix)	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Storm water drains of 600 mm wide are provided on site
(xx)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Water demand during construction is reduced by use of pre-mixed concrete, curing agents and other best practices.

**Compliance Report for Proposed Residential Project at Andheri**

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<b>Sr. No.</b>	<b>EC Conditions</b>	<b>Compliance Status</b>
(xxi)	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	There is no source of ground water, so quality of ground water sample is not tested.  We have tested drinking water sample from MoEF recognized laboratory.
(xxii)	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 Ministry before the project is commissioned for operation. 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. Discharge of unused treated effluent shall conform to the norms and standards of the Maharashtra Pollution Control Board. Necessary measures should be made to mitigate the Odour problem from STP.	STP will be certified by an independent expert and a report in this regard will be submitted to the Ministry before the project is commissioned for operation.  Sewage is treated up to tertiary level. The treated sewage is reused for gardening and flushing purpose.  Total two STP's are provided on site 80 KLD and 150 KLD.  Photographs of the same are attached in Annexure.
(xxiii)	Permission to draw ground water shall be obtained from the competent Authority prior to construction/ operation of the project.	We are not using ground water in the project
(xxiv)	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	Instead of gray and black water separation we have the provision of STP. Dual plumbing lines are used for recycled water and fresh water. Dual Plumbing lines are used.
(xxv)	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.	Water efficient sanitary features include showers, low flush, dual cistern is provided.
(xxvi)	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	The use of glass is less than 40%
(xxvii)	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Noted. Roof meets the prescriptive requirement as per Energy Conservation Building Code

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Sr. No.	EC Conditions	Compliance Status
(xxviii)	Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and 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. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters systems. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	Solar street lights and solar hot water system are provided.
(xxix)	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 DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	We will comply to above & make necessary arrangements.  The DG sets is provided as emergency back for lift, common area, pumps etc.  The DG set shall confirm the guidelines prescribed by CPCB and rules made under the Environment (Protection) Act 1986.
(xxx)	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	The noise levels are monitored regularly from MoEF recognized laboratory.  The barricading has been provided at site. The noise levels & ambient air monitoring results are well within the limits.  Copy of the report is attached

**Compliance Report for Proposed Residential Project at Andheri**

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<b>Sr. No.</b>	<b>EC Conditions</b>	<b>Compliance Status</b>
(xxxix)	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.	Entry & exit to the proposed project are located in such way that it won't affect traffic on the adjoining roads. In project layout proper 6m and 9m driveway has been provided. We will provide the parking as per the local authority norms. Also sufficient parking is provided.
(xxxixii)	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 aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	The buildings are not air-conditioned, these are Residential buildings hence ECBC code is not applicable in the instant case. However, we have used 6" AAC blocks (Autoclaved Aerated Concrete Blocks) and additional 2" of plaster resulting in the U value of 0.56 w/m <sup>2</sup> °k for the effective insulation against the Heat gain.
(xxxixiii)	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation	Complied as per the local norms.  The buildings have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation to the premises.
(xxxixiv)	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	The Regular supervision is carried out by the project in-charge and supervisors are trained in Environmental Management measures.
(xxxixv)	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.	We have obtained Amended Environmental Clearance vide letter No. SEAC-2015/CR-212/TC-1 Dt. 26.08.2016.
(xxxixvi)	Six monthly monitoring reports should be submitted to the Department and MPCB.	We have submitted all six-monthly compliance reports to Environment Department Mantralaya, MPCB and Regional office, MoEF, Nagpur.
<b>General Conditions for Post – construction/operation phase</b>		
i)	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	STP, green belt facilities are already developed.  Photographs attached in Annexure

**Compliance Report for Proposed Residential Project at Andheri**

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Sr. No.	EC Conditions	Compliance Status
	allotment are 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.	
(ii)	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage are disposed outside the existing premises. Local authority should ensure this.	Wet garbage is treated by Organic Waste Converter and treated waste (manure) is utilized in the existing premises for gardening. And, no wet garbage is being disposed outside the existing premises.
(iii)	Local body should ensure that no occupation certificate are issued prior to operation of STP/MSW site with due permission of MPCB.	Noted.
(iv)	A complete set of all the documents submitted to Department should be forwarded to the MPCB.	<p>We have submitted all the project details and plans to MPCB while applying to Consent to Establish. List of consent to establish is given below:</p> <ul style="list-style-type: none"> <li>• BO/RO(P&amp;P) EIC No. MU-1376-10/E/CC-263 dtd 9 /07 /2010.</li> <li>• BO/RO(P&amp;P) EIC No. MU-1376-10/E/Amend/CC-381 dtd 29 /10 /2010</li> <li>• MPCBHQ/ROHQ/Mumbai/CE/CC/7171 Dated - 27.08.2013</li> <li>• Format 1.0/BO/ROHQ/CE-Revalidation /CC-9404 Dated 25.07.2016.</li> </ul> <p>Consent to Operate was obtained from MPCB, these are as follows:</p> <ul style="list-style-type: none"> <li>• Format: HQ/ROHQ/Mumbai/CO/CC/7149 dtd 27/08/2013 and Format 1.0/BO/ROHQ/CR/CC-4363 dtd 29/03/2016.</li> <li>• Format 1.0/BO/CAC-cell/UAN No. 0000036962/CO(Part-II)/CAC-1810001220 dtd. 23.10.2018</li> </ul>
(v)	In the case of any change (s) in the scope of the project, the project would require a fresh appraisal by this Department.	We have amended the EC Vide SEAC-2010/CR.488/TC.2 dt. 14.05.2013 and <u>Revalidation &amp; Minor Amendment:</u> SEAC-2015/CR-212/TC-1 dated 26.08.2016
(vi)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Separate funds allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up is attached.

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Sr. No.	EC Conditions	Compliance Status
(vii)	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 reported to the MPCB & this department.	Separate funds allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up is attached.
(viii)	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 at <a href="http://envis.maharashtra.gov.in">http://envis.maharashtra.gov.in</a>	The advertisement was given in local newspapers
(ix)	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 1st June & 1st December of each calendar year.	We have submitted the compliance report to the Regional office, MoEF Nagpur, MPCB and Environmental Department Mantralaya.
(x)	A copy of the 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.



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<b>Sr. No.</b>	<b>EC Conditions</b>	<b>Compliance Status</b>
(xi)	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> , NO <sub>x</sub> (Ambient level as well as stack emissions) or critical sectorai 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.	We will upload the status of compliance of the stipulated EC conditions, including results of monitored data.  The monitoring report was submitted along with Compliance reports to regional office MoEF, Nagpur, MPCB Environmental Department Mantralaya.
(xii)	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.	The monitoring report was submitted along with Compliance reports to Regional office MoEF, Nagpur, MPCB and Environment Department Mantralaya.
(xiii)	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 Officers of MoEF by e-mail.	Noted & complied.
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 of the Hon'ble	There are no litigations pending against this project.

**Compliance Report for Proposed Residential Project at Andheri**

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Sr. No.	EC Conditions	Compliance Status
	court are 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 environmental clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	We Agree
6	The Environmental 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.	We Agree
7	<b>Validity of Environment Clearance:</b> The environmental clearance accorded shall be valid for a period of 7 years as per MoEF & CC Notification dated 29th April, 2015.	Complied. We have revalidated and minor amend the EC vide letter no: SEAC-2015/CR-212/TC-1 dated 26.08.2016.
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	We have obtained Environmental Clearance vide letter No. SEAC-2010/CR.488/TC.2 dtd. 21.01.2011 and subsequently amended SEAC-2010/CR.488/TC.2 dtd. 14.05.2013.  Later on we had applied for revalidated and minor amendment and we received the EC vide letter no SEAC-2015/CR-212/TC-1 dated 26.08.2016 for the amended plans.
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	We Agree

Compliance Report for Proposed Residential Project at Andheri

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Sr. No.	EC Conditions	Compliance Status
	and its amendments.	
10	Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune) , New ADMINISTRATIVE Building, 1st Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Noted

**Annexure-I**

**PROJECT DETAILS**

**Name and address of the project proposed:**

**Project Name:** Environment Clearance for revalidation and minor amendment for proposed Residential Project "LODHA ENTERNIS".

**Project Location:** CTS No. 67, 74, 78, 75 & 80 of Mulgaon MIDC, at Andheri (E), Mumbai.

**Developer Name:** LODHA IMPRESSION REAL ESTATE PVT.LTD.

**FSI and Non FSI Area: -**

<b>Sr. No.</b>	<b>Description</b>	<b>Area in m<sup>2</sup></b>
1	FSI Area	31,185.09
2	Non-FSI area	40,235.67
3.	Total Construction built up area	71,420.76

**Annexure-II**

**WATER BALANCE CHART:**

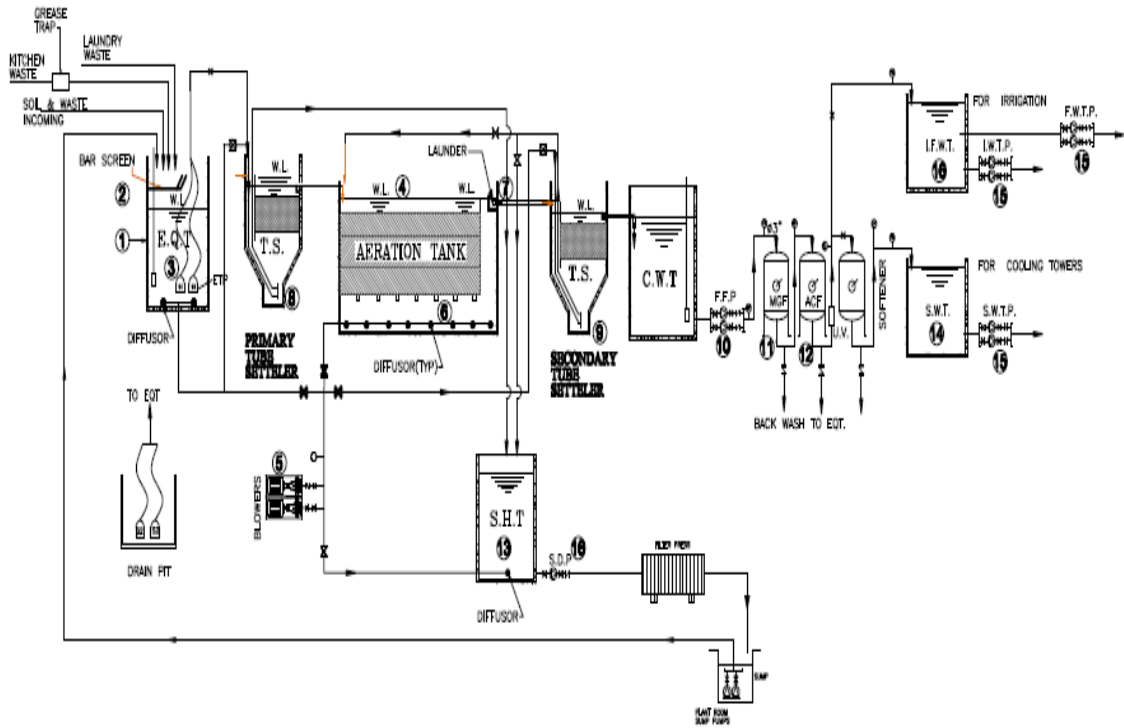
Particulars	No of Flats /rooms /Cars	occupancy	Total Population	Water Requirement Basis (in lpcd)*		Total Water Requirement/ person	Water Demand (KLD)
				Domestic	Flushing		
<b>Residential Buildings</b>	<b>428</b>	<b>5</b>	<b>2,140</b>	<b>90</b>	<b>45</b>	<b>135</b>	<b>289</b>
WTP & Pool filter Back Wash							12
Swimming Pool							3
Gardening							37
<b>Total</b>	<b>428</b>		<b>2,140</b>				<b>341</b>
<b>Sewage Generation</b>						<b>80 % of Water Requirement</b>	<b>231</b>
<b>Sludge</b>						<b>1 % of Sewage Generation</b>	<b>2</b>
Recycling for Flushing							
<b>Residential Buildings</b>	<b>428</b>	<b>5</b>	<b>2,140</b>		<b>45</b>	<b>45</b>	<b>96</b>
<b>Total</b>	<b>428</b>		<b>2,140</b>				<b>96</b>
<b>Gardening</b>		<b>5016 m<sup>2</sup></b>					<b>37</b>
<b>Excess Treated Water to Municipal Sewer</b>							<b>96</b>

**ANNEXURE-III**

**SEWAGE TREATMENT PLANT DETAILS:**

Generated sewage are treated in to the sewage treatment plant of capacity 250 m<sup>3</sup>/day

**STP Flow Sheet**



- Solid Waste generation from the complex is estimated to be 1070 kg/day
- The biodegradable component: 428 kg/day
- Inert, Recyclable waste: 642 kg/day
- Segregation of dry and wet garbage are done at source
- Dry garbage is segregated and disposed off to recyclers
- Wet garbage/biodegradable matter as leftover food, vegetables are composted by Mechanical Composting

**ANNEXURE-V**

**FIRE FIGHTING SYSTEM - PROVISIONS**

- Adequate capacity Underground and Overhead water storage tank for each building.
- All buildings are fully sprinkled and Wet riser for each building are provided
- Fire pump and Booster pump, Sprinkler pump and Jockey pump with dual source power and dedicated DG backup provision.
- Manual and automatic fire alarm system
- Clear pathway for fire tender movement around building

**ENERGY CONSERVATION MEASURES:**

- Monitoring of daily electricity consumption & recording of maximum demand are done.
- Only adequate number of lights in common areas shall be used.
- Common area lighting shall be carried out with CFL Lamps
- Stand-alone type solar lighting shall be used for part of landscape areas and part of street lights

**ANNEXURE-VI**

**EMP DURING CONSTRUCTION PHASE**

<b>S. No.</b>	<b>Aspect</b>	<b>Impact</b>
1.	Land Environment	▪ Disturbance at site due to various site preparatory activities
		▪ Impact on natural drainage pattern and soil erosion
2.	Water Environment	▪ Degradation of water quality due to disposal of untreated effluents from labour camp
		▪ Impacts on water quality due to runoff carrying high suspended solids from construction site
3.	Noise Environment	▪ Noise generation by operation of various construction equipment's
		▪ Increase in noise level due to increased vehicular movement
4.	Air Environment	▪ Impacts on ambient air quality due to emissions generated as a result of fuel combustion operation of various construction equipment
		▪ Fugitive emissions from storage sites of construction material
5.	Ecology	▪ Impacts on ecology due to increased human interferences
6.	Socio-economic Environment	▪ Increased stress on existing infrastructure due to immigration of labour population
		▪ Improvement in employment potential as a result of project construction activities and mushrooming of allied activities
7.	Aesthetics	▪ Construction activities and Excavation



**EMP DURING OPERATION PHASE**

<b>S. No.</b>	<b>Aspect</b>	<b>Impact</b>
1.	Land Environment	▪ Disturbance at site due to various site preparatory activities
		▪ Impact on natural drainage pattern and soil erosion
2.	Water Environment	▪ Degradation of water quality due to disposal of untreated effluents from labour camp
		▪ Impacts on water quality due to runoff carrying high suspended solids from construction site
3.	Noise Environment	▪ Noise generation by operation of various construction equipments
		▪ Increase in noise level due to increased vehicular movement
4.	Air Environment	▪ Impacts on ambient air quality due to emissions generated as a result of fuel combustion operation of various construction equipment
		▪ Fugitive emissions from storage sites of construction material
5.	Ecology	▪ Impacts on ecology due to increased human interferences
6.	Socio-economic Environment	▪ Increased stress on existing infrastructure due to immigration of labour population
		▪ Improvement in employment potential as a result of project construction activities and mushrooming of allied activities
7.	Aesthetics	▪ Construction activities and Excavation

**ANNEXURE-VII**

**EMP COSTING-DURING OPERATION PHASE**

<b>COMPONENT</b>	<b>CAPITAL COST (RS. IN LAKHS)</b>	<b>O &amp; M COST (RS. IN LAKHS/YEAR)</b>	<b>FREQUENCY</b>
STP (TERTIARY)	50	10	CONTINUOUS O & M ENVIRONMENT MONITORING: MONTHLY, STP OUTLET WATER QUALITY FOR PH, BOD, COD, SS, FC, NITRATE, PHOSPHATE AND O&G
SOLAR HOT WATER AND SOLAR STREET LIGHT	60	6	QUARTERLY
SOLID WASTE MANAGEMENT	18	8	CONTINUOUS O & M
RAINWATER HARVESTING	25	2	DURING RAINY SEASON (CLEANING OF SWD, CONTOUR TRENCHES AND FILTRATION UNITS BEFORE RAINY SEASON)
LANDSCAPE	65	6	DAILY
ENVIRONMENTAL MONITORING		4	AS PER THE CPCB GUIDELINES THROUGH MOEF APPROVED LABORATORIES
DMP COST	375.5	26.1	
<b>TOTAL COST</b>	<b>593.5</b>	<b>62.1</b>	

**ANNEXURE-VIII**



Building No 5



Building No 8



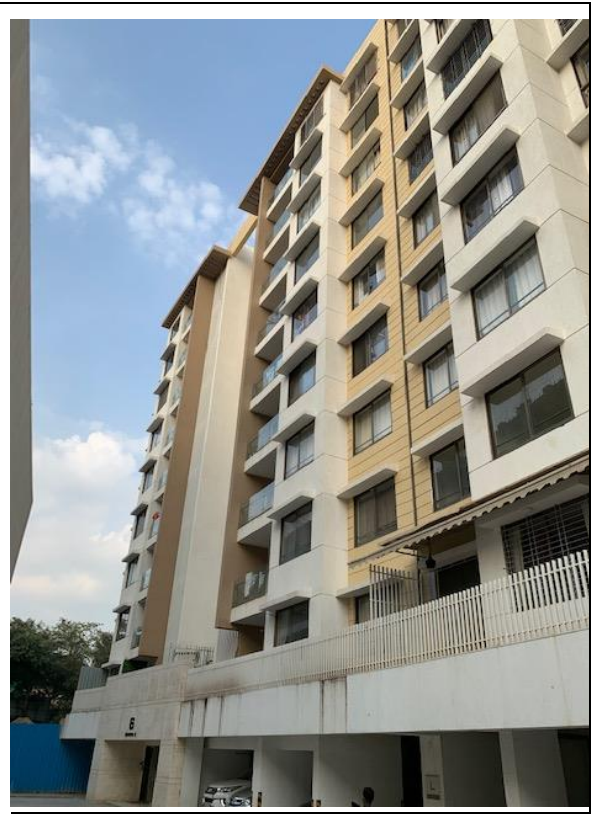
Building no 4



Building no 3



**Building no 2**



**Building no 6**



**Building no 7**



STP 150 KLD



STP 80 KLD



Mechanical Composting Unit



**ANNEXURE IX\_TEMPORARY SANITATION FACILITIES PROVIDED AT SITE**



**ANNEXURE X\_FIRE FIGHTING PROVISION PROVIDED FOR WORK COMPLETED BUILDING**



**ANNEXURE XI\_PLANTATION CARRIED OUT AT SITE**







**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY**

SEAC-2015/CR-212/TC-1  
Environment department  
Room No. 217, 2<sup>nd</sup> floor,  
Mantralaya Annexe,  
Mumbai- 400 032.  
Date: 26<sup>th</sup> August, 2016

To,  
M/s Lodha Impresion Real Estate Pvt. Ltd  
Lodha Excelus, N.M. Joshi Marg,  
Mahalaxmi, Mumbai- 400 011.

Subject: Environment clearance for revalidation and minor amendment for proposed residential project "Lodha Eternis" on plot bearing CTS No.67, 74, 78, 75 & 80 of Mulgaon village at Andheri (E), Mumbai by M/s Lodha Impresion Real Estate P L

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 44<sup>th</sup> meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 101<sup>st</sup> meeting.

2. It is noted that the proposal is considered by SEAC-II under screening category 8(a) B2 as per EIA Notification 2006.

**Brief Information of the project submitted by you is as-**

Name of Project	Residential project "Lodha Eternis" (Obtained Prior Environmental clearance vide letter No. SEAC-2010/CR.488/TC.2 dt. 21.01.2011 and Amendment in Environmental clearance dt. 14.05.2013)
Name of Proponent	Name: Santosh Pathak
Name of Consultant	Mahabal Enviro Engg. Pvt. Ltd.
Accreditation on Consultant (NABET Accreditation)	Accredited by NABET List of Accredited EIA Consultant Organizations – Rev 38, Feb 08, 2016, S. No: 102
Type of project: Housing project/ Industrial Estate/ SRA scheme/ MHADA/ Township or others	Residential Project
Location of the project	CTS No. 67, 74, 78, 75 & 80 of Mulgaon MIDC, at Andheri (E), Mumbai
Whether in corporation / Municipal / Other area	Municipal Corporation of Greater Mumbai
Applicability of the DCR	DCR 1991

Note on the initiated work (if applicable)	Wing 1, 9, 10, 11 - OC Granted. Wing 8, 2,3,6,7 - Plinth work under process.	Total constructed Area-22448.73 m <sup>2</sup>
LOI / NOC from MHADA / Other approvals (if applicable)	IOD dated 14-12-2007 & Amended approval dated 23-07-2015 OC for wing 1, 9, 10, 11 vide No. CE/9233/WS/AK dated 31.10.2013	
Total Plot Area	23,183.01 m <sup>2</sup>	
Deductions	4397.89 m <sup>2</sup>	
Net plot area	17,672.85 m <sup>2</sup>	
Permissible FSI (Including TDR etc.)	31,223.88 m <sup>2</sup>	
Proposed Built-up Area (FSI & Non-FSI)	FSI Area	31,185.09 m <sup>2</sup>
	Non FSI Area	40,235.67 m <sup>2</sup>
	Total Construction Area	71,420.76 m <sup>2</sup>
Ground coverage percentage (Note: Percentage of plot not open to sky)	39.6%	
Estimated cost of the project	Rs. 213 Cr	
No. of Buildings & its configuration	2B+G+8 floors (7 Bldgs) 2B+G+9 floors (3 Bldgs) 2B+G+7 floors (2 Bldgs)	
Number of tenants and shops	Flats: 428 Nos.	
Number of expected residents / users	2140 Nos	
Tenant density per hector	185/ha	
Height of the building(s)	Max 29.65 m	
Right of way (width of the road from the nearest fire station to the proposed building)	The Project site is Accessible by 13.40 m Road.	
Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m	
Existing Structure	-	
Details of the demolition with disposal (if applicable)	-	

Total Water requirement	Dry Season	
	Fresh water (CMD)	208 KLD

	Source	Municipal Corporation of Greater Mumbai
	Recycled Water (CMD)	133 KLD
	Total water requirement (CMD)	341 KLD
	Swimming pool make up	3.0 KLD
	Fire fighting (cum)	As per CFO NOC
	Wet Season	
	Fresh water (CMD)	208 KLD
	Source	Municipal Corporation of Greater Mumbai
	Recycled Water (CMD)	96 KLD
	Total water requirement (CMD)	341 KLD
	Swimming pool make up (cum)	-
	Fire fighting (cum)	As per CFO NOC

Rain Water Harvesting (RWH)	Level of ground water table	3 to 5 m
	Size and No. of RWH tanks and quantity	2 RWH tanks of Total 250 m <sup>3</sup>
	Location of RWH tank	Basement
	Size and no. of recharge pits and quantity	NA
	Budgetary allocation	Capital cost: 25 lakh/year O & M Cost: 2 Lakh/year

UG Tanks	Location of UG tank	Basement
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Storm Water Drainage	Natural water drainage pattern	Towards south
	Quantity of storm water	1654 m <sup>3</sup> /hr
	Size of SWD	450 mm X 600mm wide

Sewage and waste water	Sewage generation	231 KLD
	STP Technology	STP Technology MBBR
	Capacity of STP	250 KLD
	Location of the STP	Basement
	DG sets (during emergency)	DG Set will be provided for 100% emergency backup for

		Residential buildings for common areas, lift, pathways etc. Total capacity Total Capacity of DG Set is 1000 kVA (2X500 kVA)
	Budgetary allocation	Capital cost: 50 Lakh O & M Cost:10 Lakh/year

Solid waste management	Waste generation in the pre construction and construction phase	
	Waste generation	Construction Debris: 2043 m <sup>3</sup>
	Quantity of the top soil to be preserved	-
	Disposal of the construction way debris	The construction debris will be utilized at site for Road Paving and plinth filling
	Waste generation in the Operation phase	
	Dry Waste (kg/d)	428
	Wet Waste (kg/d)	642
	E – Waste (kg/month)	Household E Waste generation
	Hazardous Waste (kg/month)	NA
	Biomedical Waste (kg/month)	-
	STP Sludge (dry sludge) (kg/d)	
	Mode of Disposal of Waste	
	Dry Waste	Dry garbage will be segregated & disposed off to recyclers
	Wet Waste	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	E-waste	The e-waste shall be handed over to E-Waste Management Vendor authorized by MPCB.
	Hazardous Waste	NA
	Biomedical Waste	NA
	STP sludge (dry sludge)	Sludge use as manure for gardening
	Area requirement	
	Location and total area provided for the storage and treatment of the	Ground

	solid waste	
	Budgetary allocation	Capital cost: 18 Lakh/year O&M Cost: 8 Lakh/Year

Green Belt Development	Total RG Area	5,016.11 m <sup>2</sup>
	RG area other than green belt (please specify for playground, etc.)	
	RG area under green belt	
	RG on ground	1848.26 m <sup>2</sup>
	RG on Podium	3167.85 m <sup>2</sup>
	Plantation	
	Number and list of trees species to be planted in the ground RG	Total 269 Nos. of trees will be planted
	Number and list of shrubs and bushes species to be planted in the podium RG	NA
	Number and list of trees species to be planted around the border of nallah / stream / pond (if any)	--
	Number, size, age and species of trees to be cut, trees to be transplanted	Existing Trees: 34 Nos
	NOC for the tree cutting / transplantation/ compensatory plantation, if any	Part NOC for OC vide No. DySG/Z-III/233 dated 28.08.2013
	Budgetary allocation	Capital cost: 65 Lakh O & M Cost: 6 Lakh/year

Energy	Power supply	
	Maximum demand	3.5 MW
	Connect load	
	Source	BEST
	Energy saving by non-conventional method	
	Detail calculations & % of saving	21.11%
	Compliance of the ECBC guidelines (Yes / No) (if Yes then submit compliance in tabular form)	yes
	Budgetary allocation	Capital cost: 60 Lakh O & M Cost: 6 Lakh

	DG set	
	Number and capacity of the DG sets to be used	Total Capacity of DG Set is 1000 kVA (2X500 kVA)
	Type of fuel used	Diesel

Environment Management Plan Budgetary Allocation	Construction phase (with break-up)	
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#### EMP Costing During Construction Phase

S. No.	Parameter	O & M Cost
		(Rs. In Lakhs/year)
1	Water spray for dust suppression (One water Tanker to spray water )	5
2	Site sanitation (Toilets)	8
3	Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	4
4	Portable Water Supply to Labour Camp	2.5
5	Health check-up & first aid	8
6	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	3
7	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	3
8	Safety nets	2
9	Tyre cleaning and Vehicle maintenance	7
10	Solid Waste Management & Site maintenance activity	8
11	Safety - Training to Workers (Twice in Year), Safety Officer	2
<b>Total Cost</b>		<b>51.5</b>

#### EMP Costing During Operation Phase

Component	Capital Cost (Rs. In Lakhs)	O & M Cost (Rs. In Lakhs/year)	Frequency
STP (Tertiary)	50	10	Continuous O & M
Solar Street Lighting & Hot Water	60	6	Monthly
Rain Water Harvesting	25	2	Only for filtration plant.
Solid waste Composting plant	18	8	Continuous O & M
Landscape	65	6	Daily

Environmental Monitoring		4	As per the CPCB guidelines through MoEF Approved laboratories
DMP Cost	375.5	26.1	
<b>Total Cost</b>	<b>593.5</b>	<b>62.1</b>	

**DMP Cost**

Sr. No.	Parameters	Capital Cost (Lakh)	O & M Cost (Lakh)
1	Fire Fighting measures (Sprinkling System, Fire alarm, Portable fire extinguishers, Fire Tanks, Water lift pumps, Fire Hydrant Cabinets with hose reels, Fire Hydrants pumps, Fire Lifts, Fire alarm, fire Curtains)	340	17
2	Disaster Management Kit (First Aid Facility, Stretcher, A portable battery-powered radio, Flashlight and extra batteries, First aid kit and first aid manual, Safety shoes, helmets, Hand gloves, fire mask, fire blanket, Axe, Cutter)	8	1
3	Well equipped Control Room , CCTV	12	1
4	2 way Public announcement system	9	1
5	Diesel Pump for emergency	1.5	0.1
6	Disaster Management training to Residents and Security Staff, Mock Exercise		5
7	Alternate source of power supply / D.G sets	5	1
<b>TOTAL</b>		<b>375.5</b>	<b>26.1</b>

	Capital Cost	O & M Cost: 51.5 lakh/yr
	O & M cost (please ensure manpower and other details)	
	Operation Phase (with break-up)	
	Capital Cost	Capital cost including DMP cost: Rs. 593.5 lakh
	O & M cost (please ensure manpower and other details)	O and M Cost including DMP cost: Rs. 62.1 lakh/year  <i>DMP Cost:375.5 lakh O&amp;M cost: 26.1 lakh/year</i>
	Quantum and generation of corpus fund and commitment	Not Applicable as facility is operated by us
	Responsibility for further O & M	All facilities will be leased & entire complex will be maintained by us
Traffic Management	Nos. of the junction to the main road & design of confluence	
	Parking details	

	Number & area of basement	2 Basements with Total Area 25,266.65 m <sup>2</sup>
	Number & area of podium	NA
	Total Parking Area	25,266.65 m <sup>2</sup>
	Area per car	31.15 m <sup>2</sup> /per Car
	4-Wheeler	Total Parking Provided 4W: 811 Nos

CRZ/ RRZ clearance obtain, if any			NA
Distance from protected Areas / Critically Polluted areas / Eco-sensitive areas / inter-state boundaries			Project site is 4.0 km away from Sanjay Gandhi National Park.
	Status of the approval	Name of the competent authority	Date of the issued letter
CFO NOC for the above said building structures(s)	CFO NOC obtained	CFO, MCGM	18.06.2015 18-01-2011
HRC NOC for the above said building structure(s) (if applicable)	NA	-	-
NOC for the above said building structure(s) from the Aviation Authority (if applicable)	Civil Aviation obtained	Airport Authority of India	Revised NOC dated 30-10-2013, ( 35.50 m AGL )
Consent for the water for the above said detail(s)	HE's NOC obtained	MCGM	06-11-2015
Consent for the drainage for above said detail(s)	STP remarks obtained	MCGM	12-12-2011
Consent for the electric supply for the proposed demand	Reliance Energy NOC obtained	Reliance Infrastructure Ltd	9-2-2012
Other approvals (if any)	STP Completion Remark	MCGM	12.12.2011

Authority noted following comparative changes due to proposed amendment/expansion:



Sr. No.	Particulars	As per EC received	Proposed Amendment
1	Plot Area	23,183.01 m <sup>2</sup>	23,183.01 m <sup>2</sup>
2	FSI Area	31,185.09 m <sup>2</sup>	31,185.09 m <sup>2</sup>
3	Total Construction Area	70,341.81 m <sup>2</sup>	71,420.76 m <sup>2</sup>
4	No. of Buildings	2B+G+8 floors = 7 nos. 2B+G+9 floors = 5 nos.	2B+G+8 floors = 7 nos. 2B+G+9 floors = 3 nos. 2B+G+7 floors = 2 nos.
5	Tenements	428 Nos.	428 Nos.
6	Water requirement	341 KLD	341 KLD
7	Waste water generation	231 KLD	231 KLD
8	STP Capacity	250 KLD	250 KLD
9	Solid waste Generation	1070 kg/d	1070 kg/d
10	Power Requirement (Demand Load)	3.5 MW	3.5 MW
11	DG set	2 x 500 kVA	2 x 500 kVA
12	Parking Provided	811 Nos.	811 Nos.

3. The proposal has been considered by SEIAA in its 101<sup>st</sup> meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

**General Conditions for Pre- construction phase:-**

- (i) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.
- (ii) In all buildings, the staircases to be turned at the ground level to ensure that the residents can be speedily evacuated on ground outside the building in the event of an emergency situation; PP to ensure that no fire staircases goes to the basement level.
- (iii) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
- (iv) Occupation certificate shall be issued to the project by Local Planning Authority only after ensuring availability of drinking water and connectivity of the sewer line to the project site.

- (v) 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.
- (vi) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (vii) 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.
- (viii) "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.
- (ix) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

#### **General Conditions for Construction Phase-**

- (i) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.
- (ii) 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.
- (iii) 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.
- (iv) 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.
- (v) Arrangement shall be made that waste water and storm water do not get mixed.
- (vi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (vii) 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.
- (viii) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

- (ix) 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.
- (x) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
- (xi) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
- (xii) 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.
- (xiii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
- (xiv) 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.
- (xv) 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.
- (xvi) 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 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
- (xvii) Ready mixed concrete must be used in building construction.
- (xviii) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment's etc. as per National Building Code including measures from lighting.
- (xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxi) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- (xxii) 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/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.

- (xxiii) 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.
- (xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
- (xxv) 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.
- (xxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
- (xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- (xxviii) Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and 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. 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.
- (xxix) 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.
- (xxx) 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.
- (xxxi) 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.
- (xxxii) 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.

- (xxxiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- (xxxiv) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
- (xxxv) 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.
- (xxxvi) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

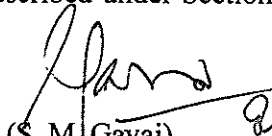
**General Conditions for Post- construction/operation phase-**

- (i) 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.
- (ii) Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
- (iii) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
- (iv) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
- (v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
- (vi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (vii) 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 reported to the MPCB & this department.
- (viii) 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 at <http://ec.maharashtra.gov.in>.

- (ix) 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.
  - (x) A copy of the 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.
  - (xi) 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>, NO<sub>x</sub> (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.
  - (xii) 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.
  - (xiii) The environmental statement for each financial year ending 31<sup>st</sup> 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.
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 Environmental 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 for a period of 7 years as per 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 environmental 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.

  
(S. M. Gavai)  
Member Secretary, SEIAA

**Copy to:**

1. Shri. Johnny Joseph, Chairman, IAS (Retd.). SEAC-II, office of the Lokayukta and New Up- Lokayukta, New Administrative Building, 1<sup>st</sup> floor, Madam Cama Road, Mumbai.
2. Additional Secretary, MOEF, 'MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
3. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
4. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
5. Managing Director, MSEDCL, MG Road, Fort, Mumbai
6. Collector, Mumbai.
7. Commissioner, Municipal Corporation of Greater of Mumbai (MCGM)
8. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
9. Regional Office, MPCB, Mumbai
10. Select file (TC-3)

(EC uploaded on )





Date:28.11.2023

## Undertaking

We, M/s Pradeep M. Kamble & Associates herewith undertake that Environmental Clearance for revalidation & minor amendment for proposed residential project “Lodha Eternis” on plot bearing CTS No. 67, 74, 78, 75 & 80 of Mulgaon village at Andheri (E), Mumbai. The project is being developed by **M/S. LODHA IMPRESION REAL ESTATE PVT. LTD.** Environment Clearance for the said project has been obtained on 26/08/2016 (File No - EC Identification no: SEIAA-2015/CR-212/TC-1).

We are submitting herewith the current status of the project as follows:

Area statement as per EC received	In sq. m.
Total Construction area	71,420.76
Total FSI area	31185.09
Total Non- FSI area	40235.67
Construction done till date	65,667.40
Remarks	-

Thanking You.

Yours faithfully,

For, M/s. Pradeep Kamble & Associates,

Mr. Pradeep Kamble

(CA/87/10471)



**envirocare labs® pvt. ltd.**  
Analysis and Beyond...

Enviro House,  
A7-A8, MIDC, Wagle Industrial Estate,  
Main Road, Thane - 400604, India  
☎ 9167720911 - 14  
✉ info@envirocare.co.in  
CIN: U99999MH1988PTC045938





TC-8284





NABL Scope

## TEST REPORT

Test Report No	01/ETHEN2314481	Issue Date	27 Dec 2023	ULR No.	TC0828423000057663F
Customer Name	ENVIRO POLICY RESEARCH INDIA PRIVATE LIMITED				
Customer Address	607, Oriana Business Park, Road no 22, Wagle Estate, Thane (West) PO Box : 400604				
Order/Reference	Email dated 18.12.2023 (Andheri)				
Specification	As per CPCB Guideline & Customer's requirement				
Information as provided by customer:					
Sample Name	Noise Monitoring - Andheri				
Sampling Details :					
Sample Drawn	By Customer				
Parameters	Limits	Results	Unit	Method	
Day Time (06.00 am - 10.00 pm) Leq	--	56.8	dB(A)	IS 9989: 1981	
Night Time (10.00 pm - 06:00 am) Leq	--	41.2	dB(A)	IS 9989: 1981	
 Authorised signatory Shweta Malwankar Assistant Manager					
-----End of Test Report-----					





## TEST REPORT

Test Report No.	01/ETHEN2314482	Issue Date	23 Dec 2023	ULR No.	TC0828423000057664F	
Customer Name	ENVIRO POLICY RESEARCH INDIA PRIVATE LIMITED					
Customer Address	607, Oriana Business Park, Road no 22, Wagle Estate, Thane (West) PO Box : 400604					
Order/Reference	Email dated 18.12.2023 (Andheri)					
Specification	National Ambient Air Quality Standards vide GSR 826 (E) Dated 16.11.20					
Information as provided by customer:						
Sample Name	Ambient Air Monitoring - Andheri					
Sample Nature	Air					
Sampling Details :						
Sample Drawn	By Customer					
Sample Details :						
Sample Received On	20 Dec 2023	Start of Analysis	23 Dec 2023			
End of Analysis	23 Dec 2023	Sample Condition on receipt	Satisfactory			
Sr. No.	Parameters	Limit	Results	LOQ	Unit	Method
Chemical Parameters						
1	Nitrogen Dioxide (NO <sub>2</sub> )	Max.80	20.3	-	µg/m <sup>3</sup>	IS 5182 (Part 6): 2006
2	Particulate Matter (size less than 10 µm) PM 10	Max.100	61.3	-	µg/m <sup>3</sup>	IS 5182 (Part 23): 2006, RA.: 2017
3	Particulate Matter (size less than 2.5 µm) PM 2.5	Max.60	34.2	-	µg/m <sup>3</sup>	US EPA CFR 40 Part 50 Appendix L: 2014
4	Sulphur Dioxide (SO <sub>2</sub> )	Max.80	9.4	-	µg/m <sup>3</sup>	IS 5182 (Part 2): 2001, RA: 2017
 Authorised signatory Shweta Malwankar Assistant Manager						
-----End of Test Report-----						

This report issue and to be read in conjunction with report no. 02/ETHEN2314482



## TEST REPORT

Test Report No.	02/ETHEN2314482	Issue Date	23 Dec 2023			
Customer Name	ENVIRO POLICY RESEARCH INDIA PRIVATE LIMITED					
Customer Address	607, Oriana Business Park, Road no 22, Wagle Estate, Thane (West) PO Box : 400604					
Order/Reference	Email dated 18.12.2023 (Andheri)					
Specification	National Ambient Air Quality Standards vide GSR 826 (E) Dated 16.11.20					
Information as provided by customer:						
Sample Name	Ambient Air Monitoring - Andheri					
Sample Nature	Air					
Sampling Details :						
Sample Drawn	By Customer					
Sample Details :						
Sample Received On	20 Dec 2023	Start of Analysis	23 Dec 2023			
End of Analysis	23 Dec 2023	Sample Condition on receipt	Satisfactory			
Sr. No.	Parameters	Limit	Results	LOQ	Unit	Method
Chemical Parameters						
1	Carbon Monoxide (CO)	N.S.	0.2	-	mg/m3	EL/SOP/324
 Authorised signatory Poonam More Sr. Analyst						
-----End of Test Report-----						

This report issue and to be read in conjunction with report no. 01/ETHEN2314482



## TEST REPORT




Test Report No.	02/ETHEN2314483	Issue Date	25 Dec 2023		
Customer Name	ENVIRO POLICY RESEARCH INDIA PRIVATE LIMITED				
Customer Address	607, Oriana Business Park, Road no 22, Wagle Estate, Thane (West) PO Box : 400604				
Order/Reference	Email dated 18.12.2023 (Andheri)				
Specification	NA				
Information as provided by customer:					
Sample Name	Soil Sample - Andheri				
Sample Nature	Soil				
Sampling Details :					
Sample Drawn	By Customer				
Sample Details :					
Sample Received On	20 Dec 2023	Start of Analysis	23 Dec 2023		
End of Analysis	23 Dec 2023	Sample Condition on receipt	Satisfactory		
Sample Packaging	Plastic Bag	Sample Quantity	1 kg		
Sr. No.	Parameters	Results	LOQ	Unit	Method
Chemical Parameters					
1	Chloride as Cl	13	-	mg/100 gm	EPA SW 846 Method 9253: 1994
2	Electrical Conductivity	269	-	µs/cm	Soil Testing Manual, Ministry of Agriculture, Govt Of India: 2011
3	Organic content	1.36	-	%	EPA 160.4: 1971
4	pH	6.3	-	--	EPA 9045C: 2004
5	Sulphate as SO <sub>4</sub>	9.5	-	mg/kg	EPA SW 846 Method 9038: 1986
6	Total Kjeldahl Nitrogen	0.82	-	%	APHA 4500-N(org) B, 23rd Edition: 2017
7	Total Phosphate	10	-	mg/100 gm	APHA 4500 P C & D, 23rd edition: 2017
8	Water retaining capacity	43.2	-	%	ISO 1274:1998
Physical Parameters					
9	Bulk Density	1.14	-	Gm/cm <sup>3</sup>	ASTM D 5057-90: 2001
10	Colour	Reddish Brown	-	--	Visual
11	Texture	Loamy	-	--	ASTM D 2487 06
Metals					
12	Calcium (as Ca)	22	--	mg/kg	APHA 3120 B, 23rd Edition: 2017
13	Copper (as Cu)	11.3	--	mg/kg	APHA 3120 B, 23rd Edition: 2017
14	Iron (as Fe)	174	--	mg/kg	APHA 3120 B, 23rd Edition: 2017



## TEST REPORT

Sr. No.	Parameters	Results	LOQ	Unit	Method
15	Lead (as Pb)	<2	--	mg/kg	APHA 3120 B, 23rd Edition: 2017
16	Magnesium (as Mg)	10	--	mg/kg	APHA 3120 B, 23rd Edition: 2017
17	Potassium (as K)	13	--	mg/kg	APHA 3120 B, 23rd Edition: 2017
18	Sodium (as Na)	32	--	mg/kg	APHA 3120 B, 23rd Edition: 2017
19	Zinc (as Zn)	153	--	mg/kg	APHA 3120 B, 23rd Edition: 2017

		
Authorised signatory Shweta Malwankar Assistant Manager	Authorised signatory Poonam More Sr. Analyst	
-----End of Test Report-----		