

Date: 1st December, 2023

To,
The Director
Regional Office (West Central Zone),
Ministry of Environment, Forest and Climate Change,
Ground Floor, East wing,
New Secretariat Building,
Civil lane, Nagpur-440001

Subject: Half-yearly Compliance Report:
April 2023 to September 2023

Project ECOHOMES TOWNSHIP LLP
Proposed Residential cum "Miracle" located on Survey
No. 32A, 36C, 37 at Village Ranjnoli, Taluka Bhiwandi,
Dist. Thane

EC No. SIA/MH/MIS/244299/2021 Dated. 10th June, 2022

Dear Sir,

We are submitting half-yearly Compliance Report (hard & soft copy) in respect of the stipulated terms and conditions of 'Prior Environmental Clearance' as specified in 'Environment Clearance' Notification Clause No. 10(i).

Thanking you,
Yours faithfully,



ECOHOMES TOWNSHIPS LLP.

Project Proponent

Enclosure: A hard copy of the compliance and monitoring report

CC copy to:

1. Regional officer, Maharashtra Pollution Control Board, Kalyan S.R.O-I
2. Member Secretary, Maharashtra Pollution Control Board, Sion, Mumbai
3. Member Secretary, State Environmental Impact Assessment Authority, Govt. of Maharashtra, Mumbai

ECOHOMES TOWNSHIP LLP

Environmental Clearance Compliance Report

April 2023 to September 2023

“Miracle”

at

Survey No. 32A, 36C, 37 at Village Ranjnoli, Taluka
Bhiwandi, Dist. Thane

**(Environmental Clearance
Letter No.: SIA/MH/MIS/244299/2021
Dated 10th June, 2022)**

CONSULTANT



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

F-7, Road 21, MIDC Wagle Estate, Thane-400604. Phone:022-25823154 thane@mahabal.com

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COMPLIANCE STATUS OF EC CONDITIONS

Environmental Clearance Letter No.: SIA/MH/MIS/244299/2021 Dated 10th June, 2022

No	Condition	Compliance	<input type="checkbox"/>	P
	SPECIFIC CONDITION			
A.	SEAC CONDITIONS:			
1.	PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra	Noted		
2.	PP to obtain the following NOCs & remarks a) Sewer Connection; b) SWD NOC; c) Final CFO NOC; d) Tree NOC.	Noted		
3.	Planning authority to ensure that assured water supply, Sewer connections/lines are made available within the vicinity of the project before issuing Occupation Certificate to the project	Noted		
4.	PP to ensure that treated water parameters are as per NGT norms	PP will comply with the condition		
5.	PP to maintain adequate distance between STP & OWC.	PP will comply with the condition		
6.	PP to provide adequate 4-wheeler parking as per as per prevailing GDC Regulations & ensure that minimum 25% of total parking are equipped with electric charging facility	PP will comply with the condition		
7.	PP to obtain permission from MMRDA for discharge of treated water in to the adjacent Nalla.	PP will comply with the condition		
8.	PP to submit carbon emission and carbon foot print report for the project.	Noted		
9.	PP to provide portable STP for workers during construction phase. PP to adopt water conservation	Noted.		

No	Condition	Compliance	<input type="checkbox"/>	P
	measures in operation phase by providing Low Flow Devices (LFD) as plumbing fixtures. Accordingly, revise EMP of Construction & Operation phase.			
B.	SEIAA CONDITIONS:			
1.	PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement.	Noted		
3.	PP to achieve at least 5% of total energy requirement from solar/other renewable sources.	PP will comply with the condition. Energy saving calculations already submitted during SEIAA meeting.		
4.	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF & CC vide F.No.22-34/2018-IA.III dt.04.01.2019.	PP comply with the condition		
5.	SEIAA after deliberation decided to grant EC for- FSI – 93864.26m ² , Non FSI- 20407.39m ² , Total BUA- 114271.65m ² . (MMRDA Plan approval No., SROT//BSNA//25011/BP/Ranjnoli-18/1281/LA-2021, dated 03.12.2021).	Noted		
	GENERAL CONDITIONS:			
a)	Construction Phase:			
(i)	The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.	The waste generated from the labour camps is mostly household waste which is disposed into the municipal bins		

No	Condition	Compliance	<input type="checkbox"/>	P
(ii)	Disposal of muck, Construction spoils, including bituminous material 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 the approved sites with the approval of competent authority.	Debris will be dumped and utilized for land filling. All safety precautions will be taken by the PP. The safety nets, safety equipment's to the workers, barricading to plot boundary, water spraying at source of dust (twice in a day) and noise pollution mitigation measures will take.		
(iii)	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	No hazardous waste will be generated during construction & operation phase.		
(iv)	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.	Adequate sanitary and hygiene measures will be taken. Temporary sanitation with septic tank and separate toilets for ladies and gents will be provided to the workers. All of these will be maintained in clean and operative condition for complete period of construction. STP will be provided for treatment of Sewage water generated.		
(v)	Arrangement shall be made that waste water and storm water do not get mixed.	The Storm water drains and sewer lines will be separately provided on site. This arrangement shall ensure that storm water and sewage will not get mixed.		
(vi)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.	RMC is being used to reduce water demand during construction phase.		
(vii)	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Noted		
(viii)	Permission to draw ground water for construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.	Ground water is not used for any Purpose. PP will take permission from concerned Authority if required.		

No	Condition	Compliance	<input type="checkbox"/>	P
(ix)	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.	Low flow Fixtures for showers, toilet flushing and drinking will be provided.		
(x)	The Energy Conservation Building code shall be strictly adhered to.	For energy conservation PP will use: <ul style="list-style-type: none"> • LED lamps • BEE 3 star rated lamps and fittings • Energy sufficient pumps and motors • Solar panel 		
(xi)	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	All the topsoil excavated during the construction activities will be used as Horticulture and Landscape Development.		
(xii)	Additional soil for levelling 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	The excavated soil will be used for backfilling and landscape development		
(xiii)	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.	The Soil and ground water quality will be regularly monitored by MOEF&CC accredited lab		
(xiv)	PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance	PP will comply with the condition		
(xv)	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.	PP will comply with the condition		
(xvi)	PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.	PP will comply with the condition.		

No	Condition	Compliance	<input type="checkbox"/>	P
(xvii)	Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/leakages.	Vehicles with PUC will only be hired for bringing construction material to the site and are checked for PUC at main gate.		
(xviii)	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.	For Ambient air Periodically monitoring will carried out and the report is annexed as Annexure-III. The monitoring is carried out by NABL accredited laboratory Various noise control measures are adopted Regular noise level monitoring is carried out by NABL Accredited laboratory and the reports are being submitted Regularly.		
(xix)	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction 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 is preferred. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	At present DG has not been installed at construction site.		
(xx)	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 by a separate environment cell /Designated	Supervisors trained in Environmental Management measures will be in place and they will be responsible for onsite Environmental Management Plan.		
b)	Operation phase:			
(i)	a) The solid waste generated should be properly collected and segregated. b) Wet waste should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage	Solid waste will be collected and segregated at source. Wet waste will be treated in OWC & dry waste will be sent to authorized party		

No	Condition	Compliance	<input type="checkbox"/>	P
	will be disposed outside the premises. c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.			
(ii)	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016	E-waste generated will be disposed through authorized vendor as per E-Waste (Management and Handling) Rules, 2016.		
(iii)	a) 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. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odor problem from STP. b) PP to give 100 % treatment to sewage /Liquid waste and explore the possibility to recycle at least 50 % of water, Local authority should ensure this.	PP will install STP of 945 m ³ /day total capacity at site. The MBBR technology will be used for the STP. The plant is designed as per standards prescribed by Maharashtra Pollution Control Board.		
(iv)	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.	Occupation will only be allotted after completion and commissioning of STP, MSW disposal facility and green belt development.		
(v)	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after	PP will comply with the condition		

No	Condition	Compliance	<input type="checkbox"/>	P
	ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.			
(vi)	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 will be located in such a way that it won't affect traffic on the adjoining roads. Also, sufficient parking is provided.		
(vii)	PP to provide adequate electric charging points for electric vehicles (EVs).	PP comply with the condition		
(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.	Approximately 13,647.5 m2 of the landscape area will be developed within the project site. Tree plantation along the plot boundary is as per CPCB guidelines.		
(ix)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards	PP will make the provision for environment management cell with qualified staff for the implementation of the stipulated environmental safeguards.		
(x)	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. This 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	PP will allot separate funds for environmental protection measures / EMP and provided as per planned requirement.		
(xi)	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 parivesh.nic.in	PP has given advertisement in Marathi newspaper "Maharashtra Times" on 25 th Nov 2022 and English newspaper "Mumbai Mirror" on 20 th Nov 2022.		

No	Condition	Compliance	<input type="checkbox"/>	P
(xii)	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.	PP will be submitting the six- monthly monitoring reports to the department of MPCB Regional Office, MoEF, Nagpur and Env. Dept. Mumbai.		
(xiii)	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.	The half yearly compliance report to MPCB will be regularly submitted		
(xiv)	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 ₂ , NO _x (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		
c)	General EC Conditions:			
(i)	PP has to strictly abide by the conditions stipulated by SEAC & SEIAA	Agreed. PP will comply with the conditions stipulated by SEAC and SEIAA.		
(ii)	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.	We have received CTE on 23.03.2023		
(iii)	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found	Prior Environmental Clearance was taken for this project. EC vide letter no. SIA/MH/MIS/246128/2021 Dated 29.08.2022		

No	Condition	Compliance	<input type="checkbox"/>	P
	construction of the project has been started without obtaining environmental clearance			
(iv)	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.	PP will be submitting complete set of all documents to department		
(v)	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.	<p>Six monthly reports regarding the status of compliance of EC conditions will regularly be sent to all mandated authorities.</p> <p>PP will submit environmental statement for each financial year ending 31st March in Form-V to the concerned State Pollution Control Board.</p>		
(vi)	No further Expansion or modifications, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted to SEIAA for clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted		
(vii)	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 imply that Forestry & Wild life clearance granted to the project which will be considered separately on merit	Noted		

No	Condition	Compliance	<input type="checkbox"/>	P
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.	Noted		
5	This Environment Clearance is issued purely from an environment point of view without prejudice to any court cases and all other applicable permissions/ NOCs shall be obtained before starting proposed work at site.	Noted		
6	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.	Noted		
7	Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended from time to time.	PP has received the Environment Clearance SIA/MH/MIS/244299/2021 Dated 10.06.2022 and as per MoEF notification dated 12.04.2022 it is valid up to 10.06.2032.		
8	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.	Noted		
9	Any appeal against this Environment clearance shall lie with the National	Noted		

No	Condition	Compliance	<input type="checkbox"/>	P
	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.			

CONDITIONS OF CONSENT TO ESTABLISH

**Consent Order No. Format1.0/CC/UAN No.0000154659/CE/2303001626
dated 23.03.2023**

No.	Conditions	Compliance	<input type="checkbox"/>	P																								
1.	The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier	Noted.																										
2.	The capital investment of the project is Rs.412.22 Crs. (As per C.A Certificate submitted by industry)	C.A Certificate was submitted to the MPCB.																										
3.	<p>The Consent to Establish is valid for Residential Cum Commercial Construction Project named as M/s. Ecohomes Townships LLP, Survey No. 32A, 36C, 37, Ranjnoli, Tal: Bhiwandi, Dist: Thane on Total Plot Area of 41356.08 m² for Total construction BUA of 114271.65 m², as per EC granted dated 10.06.2022 including utilities and services</p> <table><tr><th>Sr. no</th><th>Permission obtained</th><th>Plot area (m²)</th><th>BUA(m²)</th></tr><tr><td>1</td><td>Environment Clearance granted dtd. 10.06.2022</td><td>41356.08</td><td>114271.65</td></tr></table>	Sr. no	Permission obtained	Plot area (m ²)	BUA(m ²)	1	Environment Clearance granted dtd. 10.06.2022	41356.08	114271.65	Noted.																		
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4.	<p>Conditions under water (P&CP), 1974 Act for discharge of effluent:</p> <table><tr><th>Sr</th><th>Description</th><th>Permitted</th><th>Standard</th><th>Disposal</th></tr><tr><td>1</td><td>Trade effluent</td><td>Nil</td><td>NA</td><td>NA</td></tr><tr><td>2</td><td>Domestic Effluent</td><td>890.04</td><td>As per schedule-I</td><td>The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body</td></tr></table>	Sr	Description	Permitted	Standard	Disposal	1	Trade effluent	Nil	NA	NA	2	Domestic Effluent	890.04	As per schedule-I	The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body	<p>The 890 m³/day of sewage generated will be treated in Sewage Treatment Plant of 945 m³/day capacity.</p>											
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1	Trade effluent	Nil	NA	NA																								
2	Domestic Effluent	890.04	As per schedule-I	The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body																								
5.	<p>Conditions under Air (P&CP), 1981 Act for air emissions</p> <table><tr><th>Stack no.</th><th>Description</th><th>Nos.</th><th>Standards</th></tr><tr><td>1</td><td>DG set (600 kVA)</td><td>1</td><td>As per schedule-II</td></tr></table>	Stack no.	Description	Nos.	Standards	1	DG set (600 kVA)	1	As per schedule-II	Acoustic-enclosed DG sets will be provided.																		
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6	Conditions under Solid Waste Rules, 2016:																											
	<table><tr><th>Sr</th><th>Type of Waste</th><th>Qty & UoM</th><th>UOM</th><th>Treatment</th><th>Disposal</th></tr><tr><td>1</td><td>Dry Waste</td><td>1212</td><td>MT/A</td><td>-</td><td>Sale to authorized party</td></tr><tr><td>2</td><td>Wet waste</td><td>1809</td><td>MT/A</td><td>OWC</td><td>Used as manure</td></tr><tr><td>3</td><td>STP Sludge</td><td>123.3</td><td>MT/A</td><td>OWC</td><td>Used as manure</td></tr></table>	Sr	Type of Waste	Qty & UoM	UOM	Treatment	Disposal	1	Dry Waste	1212	MT/A	-	Sale to authorized party	2	Wet waste	1809	MT/A	OWC	Used as manure	3	STP Sludge	123.3	MT/A	OWC	Used as manure			
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7.	Conditions under Hazardous & Other wastes (M&TM) Rules 2008 for treatment and disposal of hazardous waste:	NA																										
	<table><tr><th>Sr.</th><th>Category</th><th>Qty</th><th>UoM</th><th>Treatment</th><th>Disposal</th></tr><tr><td></td><td></td><td></td><td>NA</td><td></td><td></td></tr></table>	Sr.	Category	Qty	UoM	Treatment	Disposal				NA																	
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			NA																									

No.	Conditions	Compliance	<input type="checkbox"/>	P
8	PP shall comply with the conditions stipulated in Environment Clearance & consent conditions and submit BG of Rs. 10 Lakhs towards compliance of the same.	Noted		
9	PP shall install an online monitoring system to the O/L of STP for monitoring pH, Flow, BOD, TSS	Noted.		
10	The treated domestic effluent shall be 60 % recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and reaming shall be utilized on land for gardening and connected to the sewerage system provided by local body.			
11	Project Proponent shall provide Organic waste digester with composting facility or Bio-gas digester with composting facility	Noted.		
12	Project Proponent shall make provision of charging port for Electric vehicles in at least 30% total available parking area	PP will comply with the condition.		
13	PP shall comply with the provision of Construction & Demolition Waste management Rules 2016.	PP will comply with the condition.		
14	Project Proponent shall take adequate measures to control noise and dust emissions during construction phase	Noted.		
15	Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of C to E conditions.	Noted.		
16	Project proponent shall comply with the conditions stipulated in Environment Clearance granted by GOM, vide No. SIA/MH/MIS/244299/2021 dtd. 10.06.2022. This consent is issued as per communication letter dated	PP will comply with the condition.		

SCHEDULE-I**Terms & Conditions for Compliance of Water Pollution Control**

No.	Conditions	Compliance	<input type="checkbox"/>	P																											
1	A. As per your application, you have proposed to provide MBBR based Sewage Treatment Plants (STPs) of combined capacity 895 CMD for treatment of domestic effluent of 890.04 CMD.	PP agrees with the condition. PP wil install STP of capacity 945 m3/day to treat 890 m3/day of generated sewage water and will get it certified by an independent expert.																													
	B. The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent	Yes, PP will use MBBR technology for sewage treatment. PP will achieve the standards prescribed by the Board or under EP Act, 1986, and Rules made there under from time to time, whichever is stringent.																													
	<table><tr><th>Sr</th><th>Parameters</th><th>Standards prescribed by board</th></tr><tr><td>1</td><td>pH</td><td>5.5 – 9.0</td></tr><tr><td>2</td><td>BOC</td><td>10</td></tr><tr><td>3</td><td>COD</td><td>50</td></tr><tr><td>4</td><td>TSS</td><td>20</td></tr><tr><td>5</td><td>NH4 N</td><td>5</td></tr><tr><td>6</td><td>N-total</td><td>10</td></tr><tr><td>7</td><td>Fecal coliform</td><td>Less than 100</td></tr><tr><td>8</td><td></td><td></td></tr></table>		Sr	Parameters	Standards prescribed by board	1	pH	5.5 – 9.0	2	BOC	10	3	COD	50	4	TSS	20	5	NH4 N	5	6	N-total	10	7	Fecal coliform	Less than 100	8				
Sr	Parameters		Standards prescribed by board																												
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	C. The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to the sewerage system provided by local body.	The treated water generated from STP will be used in flushing, Gardening & vehicle washing & the excess treated water will be discharged into the municipal drain.																													
2	The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto	PP agrees with the condition.																													
3	The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.	PP agrees with the condition.																													

No.	Conditions	Compliance	<input type="checkbox"/>	P															
4	The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act,1974 and as amended, and other provisions as contained in the said act	PP agrees with the condition.																	
	<table><tr><th>Sr</th><th>The purpose for water consumed</th><th>Water consumption quantity (CMD)</th></tr><tr><td>1</td><td>Industrial Cooling, spraying in mine pits or boiler feed</td><td>0.00</td></tr><tr><td>2</td><td>Domestic purpose</td><td>1057.13</td></tr><tr><td>3</td><td>Processing whereby water gets polluted & pollutants are easily biodegradable</td><td>0.00</td></tr><tr><td>4</td><td>Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic</td><td>0.00</td></tr></table>				Sr	The purpose for water consumed	Water consumption quantity (CMD)	1	Industrial Cooling, spraying in mine pits or boiler feed	0.00	2	Domestic purpose	1057.13	3	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00	4	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
	Sr				The purpose for water consumed	Water consumption quantity (CMD)													
	1				Industrial Cooling, spraying in mine pits or boiler feed	0.00													
	2				Domestic purpose	1057.13													
	3				Processing whereby water gets polluted & pollutants are easily biodegradable	0.00													
4	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00																	
5	The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act. 1986 and rule made there under from time to time	PP agrees with the condition.																	

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

No.	Conditions	Compliance	P	P																
1	<p>As per your application, you have proposed to provide the Air pollution control (APC) system and also proposed to erect the following stack (s) and to observe the following fuel pattern</p> <table><tr><th>Stack no.</th><th>Stack attached to</th><th>APC system</th><th>Ht (m)</th><th>Type of fuel</th><th>Sulphur content (in %)</th><th>Pollutants</th><th>Std.</th></tr><tr><td>1</td><td>DG set 600 kVA</td><td>Acoustic Enclosure</td><td>5.00</td><td>HSD 125.5 Ltr/Hr</td><td>-</td><td>SO₂</td><td>60.24 kg/Day</td></tr></table>	Stack no.	Stack attached to	APC system	Ht (m)	Type of fuel	Sulphur content (in %)	Pollutants	Std.	1	DG set 600 kVA	Acoustic Enclosure	5.00	HSD 125.5 Ltr/Hr	-	SO ₂	60.24 kg/Day	PP will install DG set for Residential building: 1 no. of set 600 kVA capacity. The DG set will have stack height as per MPCB norms		
Stack no.	Stack attached to	APC system	Ht (m)	Type of fuel	Sulphur content (in %)	Pollutants	Std.													
1	DG set 600 kVA	Acoustic Enclosure	5.00	HSD 125.5 Ltr/Hr	-	SO ₂	60.24 kg/Day													
2	<p>The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards.</p> <table><tr><td colspan="2">Total PM</td><td>Not to exceed</td><td>150mg/Nm³</td></tr></table>	Total PM		Not to exceed	150mg/Nm ³	PP agrees with the condition.														
Total PM		Not to exceed	150mg/Nm ³																	
3	<p>The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacements well before its life come to an end or erection of new pollution control equipment</p>	PP agrees with the condition.																		
4	<p>The Board reserves its rights to vary all or any of the conditions in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment. other in whole or in part is necessary).</p>	PP agrees with the condition.																		
5	<p>Conditions for utilities like Kitchen, Eating Places, and Canteens: -</p> <p>a) The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.</p> <p>b) The toilet shall be provided with exhaust system connected to chimney through ducting.</p> <p>c) The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).</p> <p>d) The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such a way that no nuisance is caused to neighbors.</p>	PP agrees with the condition.																		

SCHEDULE-III**Details of Bank Guarantees:**

Sr	Consent (C2E/C2O)/C2R)	Amt of BG imposed	Submission period	Purpose of BG	Compliance Period	Validity Date	Compliance
1	C2E	Rs.10 Lakh	15 days	Towards Compliance of EC & Consent conditions	upto commissioning of the unit or five years whichever is earlier	upto commissioning of the unit or five years whichever is earlier	PP has submitted the bank guarantee to MPCB.

** The above Bank Guarantee(s) shall be submitted by the applicant in favor of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.

Existing BG obtained for above purpose if any may be extended for the period of validity as above.

BG Forfeiture History

Sr	Consent (C2E/C2O)/C2R)	Amt of BG imposed	Submission period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
N/A						

BG Return details

Sr	Consent (C2E/C2O)/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
N/A				

SCHEDULE-IV**Conditions during construction phase**

No.	Conditions	Compliance	<input type="checkbox"/>	P
A	During construction phase, applicant shall provide temporary sewage disposal and MSW facility for staff and worker quarters	The waste generated from the labour camps is mostly household waste. This waste is disposed of in municipal bins		
B	During the construction phase, the ambient air and noise quality should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory	PP agrees with the condition.		
C	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	Available Noise Monitoring results for the month of April 2023 to September 2023 are attached.		

General Conditions

No.	Condition	Compliance	<input type="checkbox"/>	P
	General Conditions:			
1.	The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.	PP agrees with the condition.		
2.	The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Solid Waste Management Rule 2016, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011.	PP agrees with the condition.		
3.	Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system	PP agrees with the condition.		
4.	Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates.	PP agrees with the condition.		

No.	Condition	Compliance	<input type="checkbox"/>	P
5.	Conditions for D.G. Set			
	a. Noise from the D.G. set should be controlled by providing an acoustic enclosure or by treating the room acoustically.	PP agrees with the condition.		
	b. Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.	Sampling results have been incorporated with compliance for April 2023 to September 2023 are attached.		
	c. Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.	PP agrees with the condition.		
	d. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.	PP agrees with the condition.		
	e. A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.	Noted		
	f. D.G. Set shall be operated only in case of power failure.	PP will operate the Temporary DG set only in case of power failure.		
	g. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.	PP has provided Temporary DG set of acoustic enclosure. PP has ensured that no nuisance is created in the surrounding area due to operation of D.G. Set.		
	h. The applicant shall comply with the notification of MoEF&CC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel	PP agrees with the condition.		
6	Solid Waste – The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.	Wet garbage will be composted and used as organic manure		

No.	Condition	Compliance	<input type="checkbox"/>	P
7	Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.	PP has submitted affidavit undertaking in respect of no change in the status of consent conditions		
8.	Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.	PP has submitted official email address.		
9	The treated sewage shall be disinfected using suitable disinfection method.	PP will provide MBBR technology for treating sewage water		
10	The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.	PP will submit Form V for each financial year.		
11	The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.	PP agrees with the condition.		

ANNEXURE I

Site Photographs

Project site



Labour camp – Worker Hutment Container**Labour camp – Kitchen Facility**

Toilets**Safety Signs**

Stand-by Ambulance on-site	Water facility
 <p>Vivo V15 AI Triple Camera</p>	

ANNEXURE II

Advertisements

English newspaper "Mumbai Mirror" on 20th Nov 2022

Marathi newspaper "Maharashtra Times" on 25th Nov 2022

ANNEXURE III

Previous Acknowledgment Copy



Ajeet Kumar CMD <mahabal.thane@gmail.com>

EC Compliance monitoring Report Submission_October 2022 to March 2023_Proposed Residential cum Commercial Project "Miracle"

1 message

mahabal.thane@gmail.com <mahabal.thane@gmail.com>

Fri, Jun 2, 2023 at 5:00 PM

To: vijay.patil@nic.in

Cc: priyankashinde <priyankashinde@ymail.com>, VARADHAN SHANMUGAM - MLDL
<VARADHAN.SHANMUGAM@mahindra.com>

To,
Environment Department,
Government of Maharashtra
15th floor, New Administrative Building,
Mantralaya, Mumbai-400032

Reference: Environmental Clearance Letter No.SIA/MH/MIS/244299/2021 dated.10.06.2022

Dear Sir,

Please find attached herewith the half-yearly compliance monitoring report of the Proposed Residential cum Commercial Project "Miracle" located on Survey No. 32A, 36C, 37 at Village Ranjnoli, Taluka - Bhiwandi, Dist. Thane proposed by M/s. Ecohomes Townships LLP

District Thane - for the duration of **October 2022 to March 2023**

--

Regards, Gaurav Patil 9082288339:

Office of: **Mahabal Enviro Engineers Pvt. Ltd.- THANE BRANCH**

Plot F 7, Road 21, MIDC Wagle Estate, Thane West-400604

(Turn opp. Toyota showroom @ Golden Nest Hotel >>straight>> 550m)

Phone: 022-35097207/9137566620/8928386332 Email: mahabal.thane@gmail.com

PLEASE NOTE THIS IS COMMON EMAIL ID USED BY ALL STAFF MEMBERS FOR GENERAL COMMUNICATION ONLY.



Compliance Report _Ecohomes Township LLP-Miracle_October 2022 to March 2023.pdf
15830K



Ajeet Kumar CMD <mahabal.thane@gmail.com>

EC Compliance monitoring Report Submission_October 2022 to March 2023_Proposed Residential cum Commercial Project "Miracle"

1 message

mahabal.thane@gmail.com <mahabal.thane@gmail.com>

Fri, Jun 2, 2023 at 4:59 PM

To: ecompliance-mh@gov.in

Cc: priyankashinde <priyankashinde@ymail.com>, VARADHAN SHANMUGAM - MLDL
<VARADHAN.SHANMUGAM@mahindra.com>

To,
The Director
**Integrated Regional Office,
Ministry of Environment, Forest and Climate Change,**
Ground Floor, East wing, New Secretariat Building,
Civil lane, Nagpur - 440001

Reference: Environmental Clearance Letter No.SIA/MH/MIS/244299/2021 dated.10.06.2022

Dear Sir,
Please find attached herewith the half-yearly compliance monitoring report of the Proposed Residential cum Commercial Project "Miracle" located on Survey No. 32A, 36C, 37 at Village Ranjnoli, Taluka - Bhiwandi, Dist. Thane by M/s. Ecohomes Townships LLP

District Thane - for the duration of **October 2022 to March 2023**

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Regards, Gaurav Patil 9082288339

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15830K



Ajeet Kumar CMD <mahabal.thane@gmail.com>

EC Compliance monitoring Report Submission_October 2022 to March 2023_Proposed Residential cum Commercial Project "Miracle"

1 message

mahabal.thane@gmail.com <mahabal.thane@gmail.com>

Tue, Jun 13, 2023 at 5:26 PM

To: SRO Kalyan 1 <srokalyan1@mpcb.gov.in>, mpcbmumbai@mpcb.gov.in

Cc: priyankashinde <priyankashinde@ymail.com>, VARADHAN SHANMUGAM - MLDL
<VARADHAN.SHANMUGAM@mahindra.com>

To,

Regional OfficerMaharashtra Pollution Control Board,
Sidhivinayak Sankul, 3rd and 4th Floor,
Station Road, Kalyan (West) - 421301**Reference:** Environmental Clearance Letter No.SIA/MH/MIS/244299/2021 dated.10.06.2022

Dear Sir,

Please find attached herewith the half-yearly compliance monitoring report of the Proposed Residential cum Commercial Project "Miracle" located on Survey No. 32A, 36C, 37 at Village Ranjnoli, Taluka - Bhiwandi, Dist. Thane proposed by M/s. Ecohomes Townships LLP

District Thane - for the duration of **October 2022 to March 2023**

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Regards, Gaurav Patil 9082288339:

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Office of: **Mahabal Enviro Engineers Pvt. Ltd.- THANE BRANCH**

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(Turn opp. Toyota showroom @ Golden Nest Hotel >>straight>> 550m)

Phone: 022-35097207/9137566620/8928386332 Email: mahabal.thane@gmail.com**PLEASE NOTE THIS IS COMMON EMAIL ID USED BY ALL STAFF MEMBERS FOR GENERAL COMMUNICATION ONLY.****Compliance Report _Ecohomes Township LLP-Miracle_October 2022 to March 2023.pdf**

15830K

ANNEXURE IV

Environmental Clearance letter



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Maharashtra)

To,

The Director
 ECOHOMES TOWNSHIP LLP
 14th Floor, Ecostar, Vishweshwar nagar cross road, off aarey road,
 Goregaon-East -400063

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MH/MIS/244299/2021 dated 17 Dec 2021. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|--|
| 1. EC Identification No. | EC22B038MH139384 |
| 2. File No. | SIA/MH/MIS/244299/2021 |
| 3. Project Type | New |
| 4. Category | B2 |
| 5. Project/Activity including Schedule No. | 8(a) Building and Construction projects |
| 6. Name of Project | Environment Clearance for Proposed Residential cum Commercial Project "Miracle" located on Survey No. 32A, 36C, 37 at Village Ranjnoli, Taluka – Bhiwandi, Dist. Thane proposed by M/s. Ecohomes Townships LLP |
| 7. Name of Company/Organization | ECOHOMES TOWNSHIP LLP |
| 8. Location of Project | Maharashtra |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 10/06/2022

(e-signed)
Manisha Patankar Mhaikar
 Member Secretary
 SEIAA - (Maharashtra)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

This is a computer generated cover page.

PARIVESH

*(Pro-Active and Responsive Facilitation by Interactive,
and Virtuous Environmental Single-Window Hub)*



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/MIS/244299/2021
Environment & Climate
Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s. Ecohomes Townships LLP,
Survey No. 32A, 36C, 37, Village Ranjnoli,
Taluka Bhiwandi, Dist. Thane

Subject : Environment Clearance for Proposed Residential cum Commercial Project "Miracle" located on Survey No. 32A, 36C, 37 at Village Ranjnoli, Taluka Bhiwandi, Dist. Thane proposed by M/s. Ecohomes Townships LLP

Reference : Application no. SIA/MH/MIS/244299/2021

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-2 in its 169th meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 243rd (Day-3) meeting of State Level Environment Impact Assessment Authority (SEIAA).

2. Brief Information of the project submitted by you is as below:-

Sr. No.	Description	Details																		
1	Plot Area (sq. m.)	41,356.08																		
2	FSI Area (sq. m.)	93,864.26																		
3	Non-FSI (sq. m.)	20,407.39																		
4	Proposed built-up area (FSI + Non FSI) (sq. m.)	1,14,271.65																		
5	Building Configuration	<table border="1"> <thead> <tr> <th>Building Name</th><th>Configuration</th><th>Height (m)</th></tr> </thead> <tbody> <tr> <td>Tower A</td><td>Gr + 1st to 8th Floor + 9th Refuge Floor + 10th to 14th Floor</td><td>43.75</td></tr> <tr> <td>Tower B</td><td>Gr + 1st to 8th Floor + 9th Refuge Floor + 10th to 14th Floor</td><td>43.75</td></tr> <tr> <td>Tower C</td><td>Gr + 1st to 8th Floor + 9th Refuge Floor + 10th to 14th Floor</td><td>43.75</td></tr> <tr> <td>Tower D</td><td>Gr + 1st to 8th Floor + 9th Refuge Floor + 10th to 14th Floor</td><td>43.75</td></tr> <tr> <td>Tower E</td><td>Gr + 1st to 8th Floor + 9th Refuge Floor + 10th to 14th Floor</td><td>43.75</td></tr> </tbody> </table>	Building Name	Configuration	Height (m)	Tower A	Gr + 1 st to 8 th Floor + 9 th Refuge Floor + 10 th to 14 th Floor	43.75	Tower B	Gr + 1 st to 8 th Floor + 9 th Refuge Floor + 10 th to 14 th Floor	43.75	Tower C	Gr + 1 st to 8 th Floor + 9 th Refuge Floor + 10 th to 14 th Floor	43.75	Tower D	Gr + 1 st to 8 th Floor + 9 th Refuge Floor + 10 th to 14 th Floor	43.75	Tower E	Gr + 1 st to 8 th Floor + 9 th Refuge Floor + 10 th to 14 th Floor	43.75
Building Name	Configuration	Height (m)																		
Tower A	Gr + 1 st to 8 th Floor + 9 th Refuge Floor + 10 th to 14 th Floor	43.75																		
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Tower E	Gr + 1 st to 8 th Floor + 9 th Refuge Floor + 10 th to 14 th Floor	43.75																		

Sr. No.	Description	Details		
			10 th to 14 th Floor	
		Tower F	Gr + 1 st to 8 th Floor + 9 th Refuge Floor + 10 th to 14 th Floor	43.75
		Tower G	Gr + 1 st to 8 th Floor + 9 th Refuge Floor + 10 th to 14 th Floor	43.75
		Tower H	Gr + 1 st to 8 th Floor + 9 th Refuge Floor + 10 th to 14 th Floor	43.75
		MLCP	Gr + 1 st to 3 rd Floor	11.85
		Club House	Gr + 1 st Floor	6.30
		Town House	Gr + 1 st Floor	6.30
6	No. of Tenements & Shops	Residential Flats:1491, Town House: 10, Commercial Units: 14 & Club House (Tower A: Flat-138, Commercial Units: 8; Tower B: 186; Tower C: 246; Tower D: 245; Tower E: 232; Tower F: 176; Tower G: 141; Tower H: 127; Commercial Units: 6; Town House (Villa): 10 & Club House)		
7	Total Population	7811 (Tower A: 762; Tower B: 930; Tower C: 1230; Tower D: 1225; Tower E: 1160; Tower F: 880; Tower G: 705; Tower H: 687; Town House (Villa): 10 & Club House)		
8	Total Water Requirements CMD	1057.13 CMD (Domestic: 682.88 CMD + Flushing: 343.29 CMD + Gardening: 30.51 CMD)		
9	Sewage Generation CMD	890.03 CMD		
10	STP Capacity & Technology	STP Capacity: 895 CMD STP Technology: Sequencing Batch Reactor (SBR)		
11	STP Location	STP Location: Ground & Under Ground Level		
12	Total Solid Waste Quantities	Dry waste (kg/d)	1212	
		Wet waste (kg/d)	1809	
13	R.G. Area	RG required –	4186.82 sq. m.	
		RG provided on Ground-	3038.41 sq. m.	
		RG provided on podium -	1552.75 sq. m.	
		Total RG Provided –	4591.16 sq. m.	
14	Power requirement	Connected load (kW)	5594.10	
		Demand load (kW)	2701.84	
15	Energy Efficiency	19.73 %		
17	D.G. set capacity	1×600 kW		
18	Parking 4W & 2W	4-Wheeler	762	
		2-Wheeler	936	

Sr. No.	Description	Details
19	Rain water harvesting scheme	RWH Tank: 260 cum
20	Project Cost in (Cr.)	Rs.412.22 Cr
21	EMP Cost	Capital Cost: 1091.35 Lacs, Operation & Maintenance Cost: 103.9 Lacs/year
22	CER Details with justification if any....	1.5 % of Project Cost (As per OM by MOEF&CC dated 01.05.2018)

3. Proposal is a new construction project. Proposal has been considered by SEIAA in its 243rd (Day-3) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

A. SEAC Conditions-

1. PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2. PP to obtain following NOCs & remarks
a) Sewer Connection; b) SWD NOC; c) Final CFO NOC; d) Tree NOC.
3. Planning authority to ensure that assured water supply, Sewer connections/lines are made available within the vicinity of the project before issuing Occupation Certificate to the project.
4. PP to ensure that treated water parameters are as per NGT norms.
5. PP to maintain adequate distance between STP & OWC.
6. PP to provide adequate 4-wheeler parking as per as per prevailing GDC Regulations & ensure that minimum 25% of total parking are equipped with electric charging facility.
7. PP to obtain permission from MMRDA for discharge of treated water in to the adjacent Nalla.
8. PP to submit carbon emission and carbon foot print report for the project.
9. PP to provide portable STP for workers during construction phase. PP to adopt water conservation measures in operation phase by providing Low Flow Devices (LFD) as plumbing fixtures. Accordingly, revise EMP of Construction & Operation phase.

B. SEIAA Conditions-

1. PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement.
2. PP to achieve at least 5% of total energy requirement from solar/other renewable

sources.

3. PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.
4. SEIAA after deliberation decided to grant EC for FSI- 93864.26 m2, Non FSI- 20407.39 m2, Total BUA -114271.65 m2. (MMRDA Plan approval No. SROT//BSNA//2501//BP/Ranjnoli-18/1281/LA-2021, dated 03.12.2021).

General Conditions:

a) Construction Phase :-

- I. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- II. Disposal of muck, Construction spoils, including bituminous material during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in the approved sites with the approval of competent authority.
- III. 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.
- IV. 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.
- V. Arrangement shall be made that waste water and storm water do not get mixed.
- VI. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.
- VII. The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- VIII. Permission to draw ground water for construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- IX. 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.
- X. The Energy Conservation Building code shall be strictly adhered to.
- XI. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- XII. Additional soil for levelling 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.
- XIII. 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.
- XIV. PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.
- XV. 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.

- XVI. PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.
- XVII. Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/leakages.
- XVIII. 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.
- XIX. Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction 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 is preferred. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
- XX. 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 by a separate environment cell /designated person.

B) Operation phase:-

- I. a) The solid waste generated should be properly collected and segregated. b) Wet waste 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. c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- II. E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
- III. a) 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. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. b) PP to give 100 % treatment to sewage /Liquid waste and explore the possibility to recycle at least 50 % of water, Local authority should ensure this.
- IV. 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.

- V. 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.
- VI. 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.
- VII. PP to provide adequate electric charging points for electric vehicles (EVs).
- 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. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- X. 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.
- XI. 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://parivesh.nic.in>
- XII. 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.
- XIII. 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.
- XIV. 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, SO₂, NO_x (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.

C) General EC Conditions:-

- I. PP has to strictly abide by the conditions stipulated by SEAC& SEIAA.
- II. 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.
- III. 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.
- IV. 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.

- V. 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.
 - VI. No further Expansion or modifications, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted to SEIAA for clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
 - VII. 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.
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. This Environment Clearance is issued purely from an environment point of view without prejudice to any court cases and all other applicable permissions/ NOCs shall be obtained before starting proposed work at site.
 6. 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.
 7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended from time to time.
 8. 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.

9. Any appeal against this Environment 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.


Manisha Patankar-Mhaskar
(Member Secretary, SEIAA)

Copy to:

1. Chairman, SEIAA, Mumbai.
2. Secretary, MoEF & CC, IA- Division MOEF & CC
3. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
4. Regional Office MoEF & CC, Nagpur
5. District Collector, Thane.
6. Commissioner, MMRDA
7. Regional Officer, Maharashtra Pollution Control Board, Thane.

ANNEXURE V

Consent To Establish

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd and
4th floor, Opp. Cine Planet
Cinema, Near Sion Circle,
Sion (E), Mumbai-400022

Infrastructure/RED/L.S.I

No:- Format1.0/CC/UAN No.0000154659/CE/2303001626

Date: 23/03/2023

To,
M/s. Ecohomes Township LLP,
Survey No. 32A, 36C, 37, Ranjnoli,
Tal: Bhiwandi Dist: Thane.



Your Service is Our Duty

Sub: Consent to Establish for Residential Cum Commercial Construction Project granted under red Category.

- Ref:
1. Environment Clearance granted vide No. SIA/MH/MIS/244299/2021 dtd. 10.06.2022.
 2. Minutes of 34th Consent Committee Meeting held on 01.03.2023.

Your application NO. MPCB-CONSENT-0000154659

For: grant of Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I,II,III & IV annexed to this order:

1. **The Consent to Establish is granted for a period upto commissioning of project or up to 5 year whichever is earlier.**
2. **The capital investment of the project is Rs.412.22 Cr. (As per C.A Certificate submitted by industry).**
3. **The Consent to Establish is valid for Residential Cum Commercial Construction Project named as M/s. Ecohomes Townships LLP, Survey No. 32A, 36C, 37, Ranjnoli, Tal: Bhiwandi, Dist: Thane on Total Plot Area of 41356.08 SqMtrs for Total construction BUA of 114271.65 SqMtrs, as per EC granted dated 10.06.2022 including utilities and services**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	Environment Clearance granted dtd. 10.06.2022	41356.08	114271.65

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal
1.	Trade effluent	Nil	NA	NA

Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	890.04	As per Schedule - I	The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	DG SET 600 KVA	1	As per Schedule -II

6. **Conditions under Solid Waste Rules, 2016:**

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Dry Waste	1212 Kg/Day	-	Sold to Authorised recycler
2	Wet waste	1809 Kg/Day	OWC	Used as manure
3	STP Sludge	123.25 Kg/Day	OWC	Used as manure

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
NA					

8. PP shall comply with the conditions stipulated in Environment Clearance & consent conditions and submit BG of Rs. 10 Lakhs towards compliance of the same.
9. PP shall install online monitoring system to the O/L of STP for monitoring pH, Flow, BOD, TSS
10. The treated domestic effluent shall be 60 % recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and reaming shall be utilized on land for gardening and connected to the sewerage system provided by local body.
11. Project Proponent shall provide Organic waste digester with composting facility or Bio-gas digester with composting facility
12. Project Proponent shall make provision of charging port for Electric vehicles in at least 30% total available parking area
13. PP shall comply with the provision of Construction & Demolition Waste management Rules 2016

14. Project Proponent shall take adequate measures to control noise and dust emissions during construction phase
 15. project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of C to E conditions.
 16. Project proponent shall comply with the conditions stipulated in Environment Clearance granted by GOM, vide No. SIA/MH/MIS/244299/2021 dtd. 10.06.2022.
- . This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	824440.00	MPCB-DR-16788	23/01/2023	RTGS

Copy to:

1. Regional Officer, MPCB, Kalyan and Sub-Regional Officer, MPCB, Bhivandi
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed to provide MBBR based Sewage Treatment Plants (STPs) of combined capacity **895 CMD for treatment of domestic effluent of 890.04 CMD.**
- B] The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr.No	Parameters	Limiting concentration not to exceed in mg/l, except for pH
1	pH	5.5-9.0
2	BOD	10
3	COD	50
4	TSS	20
5	NH4 N	5
6	N-total	10
7	Fecal Coliform	less than 100

- C] The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to the sewerage system provided by local body.
- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 3) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 4) **The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, and other provisions as contained in the said act.**

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	1057.13
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00

- 5) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

- 1) **As per your application, you have proposed to provide the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-**

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
1	DG SET 600 KVA	Acoustic Enclosure	5.00	HSD 125.5 Ltr/Hr	-	SO ₂	60.24 Kg/Day

- 2) The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards.

Total Particular matter	Not to exceed	150 mg/Nm ³
-------------------------	---------------	------------------------

- 3) The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
- 4) The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
- 5) **Conditions for utilities like Kitchen, Eating Places, Canteens:-**
- The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
 - The toilet shall be provided with exhaust system connected to chimney through ducting.
 - The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).
 - The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such a way that no nuisance is caused to neighbors.

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	Rs. 10 Lakh	15 days	Towards Compliance of EC & Consent conditions	upto commissioning of the unit or five years whichever is earlier	upto commissioning of the unit or five years whichever is earlier

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.

Existing BG obtained for above purpose if any may be extended for period of validity as above.

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

Conditions during construction phase

A	During construction phase, applicant shall provide temporary sewage and MSW treatment and disposal facility for the staff and worker quarters.
B	During construction phase, the ambient air and noise quality shall be maintained and should be closely monitored through MoEF approved laboratory.
C	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.

General Conditions:

- 1 The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2 The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Solid Waste Management Rule 2016, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011.
- 3 Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4 Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.

- 5 Conditions for D.G. Set
- a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
- 6 Solid Waste - The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.
- 7 Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8 Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9 The treated sewage shall be disinfected using suitable disinfection method.
- 10 The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11 The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.

This certificate is digitally & electronically signed.

ANNEXURE VI

Environment monitoring



Mahabal Enviro Engineers Pvt. Ltd.

Plot No. F-7, Road No. 21, MIDC Wagle Estate, Thane West - 400604, Maharashtra
(600 m from Hotel Rukhmini Palace Turn Opp Toyota Show Room. Near J B Sawant Bus Stop, Next to Ashida Electronics)
Phone: 022-2582 0658/ 3139/ 1663 Fax: 25823543 thane@mahabal.com

25820658 32648652
Contact Phone Survey
mahabal60@yahoo.com

93240-25898
Ganesh Naik
ganesh3300@yahoo.com

99303-305790
Ajeet Kumar
mee.mpcb@gmail.com

93239-51573
R B Mahabal
raghunath@mahabal.com

Environmental Monitoring Survey Work - Record (Monthly)

Survey Team
Mobile No.

Rahul Choubey + Sanjay Suwan
9987688854

Ref.No.

Date

-2023

Client

Manindra miracle

Address

Mr.

Post

Mobile

9962826106

E-Mail

Board

Direct

Extn.

Fax

SURVEY DETAILS

Sample from	Quantity	Survey Date	Arrival time	Departure time
Stack	1	27-4-23	10:00 AM	10:00 AM
Ambient	1	To		
Noise	1	28-4-23		
Work room				
Effluent				
Water	1			
Haz. Waste				
Meteorology				
Other - Soil Sample - 1				

From Client: Feedback / Complaint / Instructions (you can also send them by fax)

Name:

Shanmugam Varadhan

Signature:

28/04/23

INTERNAL USE

Action on
message

DISPATCH REPORT

- ☐ Copy of this form - 1 No.
- ☐ Account statement and pending bills
- ☐ Bill & advance receipt - 3 copies
- ☐ Survey report - 2 copies

Signature of Client or Proof of delivery or Despatch receipt



Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA
Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**



TEST REPORT

Report No.:	ME-NG07804-230502-SA-MP-THANE	Date: 02.05.2023
ULR No.:	TC748723000007180F	

Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE" Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		WO No.: Verbal WO Date: -
Sample Description / Type	Ambient Air	Sample Collected by	Laboratory
Sampling Location	Near Main Gate	Sample Quantity / Packing	PM ₁₀ : Filter Paper 1 X 1 No. PM _{2.5} : Filter Paper 1 X 1 No. SO ₂ : 30 mL X 2 No. PVC Bottle NO ₂ : 30 mL X 2 No. PVC Bottle
Date of Sampling	27.04.2023	Date of Receipt of Sample	29.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	29.04.2023	Date of Completion of Analysis	01.05.2023

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	<u>Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)</u>				
1	Sulphur Dioxide (SO ₂)	µg/m ³	8.6	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
2	Nitrogen Dioxide (NO ₂)	µg/m ³	10.1	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
3	Particulate Matter (size less than 10µm) or PM ₁₀	µg/m ³	60	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
4	Particulate Matter (size less than 2.5µm) or PM _{2.5}	µg/m ³	24	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30

END OF REPORT

- Note:**
1. BQL: Below Quantification Limit.
 2. LOQ: Limit of Quantification.
 3. Duration of Sampling: 08h.
 4. TWA: Time Weighted Average
 5. NAAQS: National Ambient Air Quality Standard
 6. #- NAAQS specified as: 8 h. TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5},
 7. The result listed refers only to the tested sample(s) and applicable parameter(s).
 8. This report is not to be reproduced except in full, without the written approval of the laboratory.
 9. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Page 1 of 1
QF/SALE/03
Issue No 03
Date 05.12.2019.
Amd 02 Date
24.12.2022

Harish Mendhi
Harish Mendhi
Technical Manager
Chemical Testing





Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA
Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**



TEST REPORT

Report No.:	ME-NG07807-230502-SA-MP-THANE	Date: 02.05.2023
ULR No.:	TC748723000007183F	

Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE" Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		WO No.: Verbal WO Date: -
Sample Description / Type	Ambient Noise		
Date of Sampling	27.04.2023	Sampling Procedure	IS 9876:1981

Sr. No.	Location	Time in h	Sound Level L_{eq} dB (A) Fast Response	Sound Level L_{eq} dB (A) Slow Response
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Noise)			
1	Project West Side	12:40	68	65
2	Near Main Gate	12:30	64	58

As per The Noise Pollution (Regulation & Control) Rules, 2000 (Rules 3(1) and 4(1))

Area Code	Area Type	Limits in dB (A) weighted scale	
		Day Time (6:00 a.m. to 10:00 p.m.)	Night Time (10:00 p.m. to 6:00 a.m.)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

END OF REPORT

- Note:**
1. The result listed refers only to the tested sample(s) and applicable parameter(s).
 2. This report is not to be reproduced except in full, without the written approval of the laboratory.
 3. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com





Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA
Phone: 0712-2612162/2612212 email: nagpur@mahabal.com



TEST REPORT

Report No.:	ME-NG07805-230501-SA-MP-THANE	Date:	01.05.2023
ULR No.:	TC748723000007181F		
Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE" Village : Ranjnoli, Tal : Bhiwandi, Dist: Thane	WO No.:	Verbal
		WO Date:	-
Sample Description / Type	Stack Emission	Sample Collected by	Laboratory
Sampling Location	D.G. Set 160 kVA Near Sales Office	Sample Quantity / Packing	Thimble PM: 1 X 1 No. SO ₂ :30mL X 1No.PVC Bottle
Date of Sampling	27.04.2023	Date of Receipt of Sample	29.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	29.04.2023	Date of Completion of Analysis	01.05.2023

Stack Details	
Stack Identity	Stack -1
Stack attached to	D.G. Set 160 KVA
Material of construction	M.S.
Stack height above ground level (Meter)	3
Stack diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	3

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)			
1	Flue gas Temperature	°C	116	IS 11255 (Part 3):2008; RA 2018
2	Flue gas Velocity	m/s	9.2	IS 11255 (Part 3):2008; RA 2018
3	Total gas quantity	Nm ³ /h	199	IS 11255 (Part 3):2008; RA 2018
4	Particulate Matter (PM)	mg/Nm ³	26	IS 11255 (Part 1):1985 RA 2019
5	Sulphur Dioxide (SO ₂)	mg/Nm ³	16	IS 11255 (Part 2):1985; RA 2019

END OF REPORT

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Issue No 03
Date 05.12.2019.
Amd 01 Date
24.12.2022

Harish Mendhi
Harish Mendhi
Technical Manager
Chemical Testing



TC-7487



Mahabal Enviro Engineers Pvt. Ltd.

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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**



TEST REPORT

Report No.: ME-NG07806-230506-SA-MP-THANE Date: 06.05.2023
ULR No.: TC748723000007182F

Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE" Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		WO No.: Verbal WO Date: -
Sample Description / Type	Drinking water	Sample Collected by	Laboratory
Sampling Location	Sales Office (Bisleri Bottle)	Sample Quantity / Packing	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can 250 mL X 1 No. Sterilized Glass Bottle
Date of Sampling	28.04.2023	Date of Receipt of Sample	29.04.2023
Sampling Procedure	IS 3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019, APHA 23 rd Ed. 2017, 1060-B, 1-40; 9060 A, 9-36		
Date of Start of Analysis	29.04.2023	Date of Completion of Analysis	05.05.2023

Sr. No.	Parameter	Unit	Result	#Limit	\$Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Water (Drinking Water)					
1.	Colour	Hazen	BQL (LOQ:1)	5 Max.	15 Max.	APHA 23 rd Ed. 2017, 2120-B, 2-6
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 05):1984, RA 2018
3.	Turbidity	NTU	0.7	1 Max.	5 Max.	APHA 23 rd Ed. 2017, 2130-B, 2-13
4.	pH	-	7.5	6.5 to 8.5	No Relaxation	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Min.	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
6.	Total Suspended Solids	mg/L	BQL (LOQ:5)	-	-	APHA 23 rd Ed. 2017, 2540-D, 2-70
7.	Total Dissolved Solids	mg/L	174	500 Max.	2000 Max.	IS 3025 (Part 16):1984 RA 2017, Ed.2.1 (1999-12)
8.	Alkalinity Total (as CaCO ₃)	mg/L	128	200 Max.	600 Max.	APHA 23 rd Ed. 2017, 2320-B, 2-36
9.	Total Hardness (as CaCO ₃)	mg/L	148	200 Max.	600 Max.	APHA 23 rd Ed. 2017, 2340-C, 2-48
10.	Chloride (as Cl)	mg/L	17.0	250 Max.	1000 Max.	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
11.	Sulphate (as SO ₄)	mg/L	8.2	200 Max.	400 Max.	APHA 23 rd Ed. 2017, 4500- SO ₄ -E, 4-199





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TEST REPORT

Report No.: ME-NG07806-230506-SA-MP-THANE

Date: 06.05.2023

ULR No.: TC748723000007182F

Sr. No.	Parameter	Unit	Result	#Limit	\$Limit	Method Reference
12.	Nitrate (as NO ₃)	mg/L	BQL (LOQ:0.5)	45 Max.	No Relaxation	APHA 23 rd Ed. 2017, 4500-NO ₃ , E 4-131
13.	Calcium (as Ca)	mg/L	34.5	75 Max.	200 Max.	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
14.	Magnesium (as Mg)	mg/L	15.1	30 Max.	100 Max.	APHA 23 rd Ed. 2017, 3500-Mg-B, 3-86
15.	Fluoride (as F)	mg/L	0.25	1 Max.	1.5 Max.	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
Residues in water (Trace metal Element)						
16.	Iron (as Fe)	mg/L	0.122	1.0 Max.	No Relaxation	IS:3025 (Part 2), 2019
Discipline: Biological Testing; Product Group: Water (Drinking water)						
17.	Total Coliforms	/100mL	Absent	Shall not be detectable in any 100 mL Sample.	-	IS 15185:2016
18.	<i>Escherichia coli</i>	/100mL	Absent	Shall not be detectable in any 100 mL Sample.	-	IS 15185:2016

END OF REPORT

- Note:**
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 2. LOQ: Limit of Quantification.
 3. #: Acceptable Limit as per IS 10500:2012; RA 2018.
 4. \$ Permissible Limit in the Absence of Alternate Source as per IS 10500:2012 RA 2018
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TEST REPORT

Report No.:	ME-NG07808-230513-SA-MP-THANE	Date: 13.05.2023
ULR No.:	TC748723000007184F	

Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE" Village : Ranjnoli, Tal : Bhiwandi, Dist: Thane		WO No.: Verbal WO Date: -
Sample Description / Type	Soil	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity / Packing	1 kg X 1 No. Polyethene bag
Date of Sampling	28.04.2023	Date of Receipt of Sample	29.04.2023
Sampling Procedure	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India		
Date of Start of Analysis	30.04.2023	Date of Completion of Analysis	12.05.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	<u>Discipline: Chemical Testing; Product Group: Pollution & Environment (Soil)</u>			
1.	pH (1+5)	-	6.7	FAO 1976, Sec.III,1, Page No. 65
2.	Electrical Conductivity (1+5)	μS/cm	130	FAO Sec. III .5, Page no-85
3.	Moisture Content	%	9.87	IS 2720 (Part II): 1973, RA 2002, Ed. 3.1
4.	Cation Exchange Capacity	meq/100gm	17.2	FAO Sec. III .7-2, Page No. 104
5.	Grain Size (Texture) Sand	%	35.0	Manual of Soil Testing Department of Agriculture & Cooperation, Ministry of Agriculture Govt. India, Sec 4 - 17 Page No 105.
6.	Grain Size (Texture) Silt	%	22.6	Manual of Soil Testing Department of Agriculture & Cooperation, Ministry of Agriculture Govt. India, Sec 4 - 17 Page No 68.
7.	Grain Size (Texture) Clay	%	42.4	Manual of Soil Testing Department of Agriculture & Cooperation, Ministry of Agriculture Govt. India, Sec 4 - 17 Page No 68.
8.	Available Phosphorous	mg/kg	2.38	FAO Sec. III .12-1 Page no-157
9.	Available Calcium	meq/ 100gm	8.39	FAO Sec.III.8-1, Page No. 115
10.	Available Magnesium	meq/ 100gm	7.58	FAO Sec.III.8-1, Page No. 115
11.	Available Sodium	meq/100gm	0.789	FAO Sec.III.8-1, Page No. 115
12.	Available Nitrogen	mg/kg	132	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India, Sec.4 - 17, Page No 89





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TEST REPORT

Report No.:	ME-NG07808-230513-SA-MP-THANE	Date: 13.05.2023
ULR No.:	TC748723000007184F	

Sr. No.	Parameter	Unit	Result	Method Reference
13.	Available Potassium	meq/100gm	0.169	FAO Sec.III.8-1, Page No. 115
14.	Total Phosphate	mg/kg	621	Manual for method of water, Soil and Plant analysis WL II, Page No 16
15.	Total Copper	mg/kg	123	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
16.	Total Iron	mg/kg	90008	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
17.	Total Zinc	mg/kg	127	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007

END OF REPORT

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REPORT-SE-07608

TEST REPORT

Report No.:	ME-NG07808N-230513-SA-MP-THANE	Date: 13.05.2023
ULR No.:	-	

Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE" Village : Ranjnoli, Tal : Bhiwandi, Dist: Thane		WO No.: Verbal WO Date: -
Sample Description / Type	Soil	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity / Packing	1 kg X 1 No. Polyethene bag
Date of Sampling	28.04.2023	Date of Receipt of Sample	29.04.2023
Sampling Procedure	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India		
Date of Start of Analysis	30.04.2023	Date of Completion of Analysis	12.05.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	<u>Discipline: Chemical Testing; Product Group: Pollution & Environment (Soil)</u>			
1.	Organic Matter	%	1.76	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India, Sec 4 - 17, Page No. 83.
2.	Free Lime	%	0.158	FAO Sec. III, Page no-71
3.	Texture (Class)	%	Clay	Manual of Soil Testing Department of Agriculture & Cooperation, Ministry of Agriculture Govt. India, Sec 4 - 17 Page No 68 & 105
4.	Total Sulphur	%	0.007	IS 1350 (Part III) 1969
5.	Total Manganese	mg/kg	1255	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007

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