

Date: 10th February, 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 2022 to September 2022

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 2022 to September 2022

“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
	<u>SPECIFIC CONDITION</u>			
A.	<u>SEAC CONDITIONS:</u>			
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 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 measures in operation phase by providing Low	Noted.		

	Flow Devices (LFD) as plumbing fixtures. Accordingly, revise EMP of Construction & Operation phase.			
B.	<u>SEIAA CONDITIONS:</u>			
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		
	<u>GENERAL CONDITIONS:</u>			
a)	<u>Construction Phase:</u>			
(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		
(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.		
(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.		
(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 person	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 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.	Solid waste will be collected and segregated at source. Wet waste will be treated in OWC & dry waste will be sent to authorized party		
(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	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.		

	9f 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.	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 ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.	PP will comply with the condition		
(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 m ² 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.		
(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	Noted		

	be. sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. 802, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.			
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 applied for CTE and Consent fees payment has been done		
(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	Prior Environmental Clearance was taken for this project. EC vide letter no. SIA/MH/MIS/246128/2021 Dated 29.08.2022		
(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.	Six monthly reports regarding the status of compliance of EC conditions will regularly be sent to all mandated authorities. PP will submit environmental statement for each financial year ending 31st March in Form-V to the concerned State Pollution Control Board.		
(vi)	No further Expansion or modifications, other than mentioned in the EIA	Noted		

	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 imply that Forestry & Wild life clearance granted to the project which will be considered separately on merit	Noted		
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		

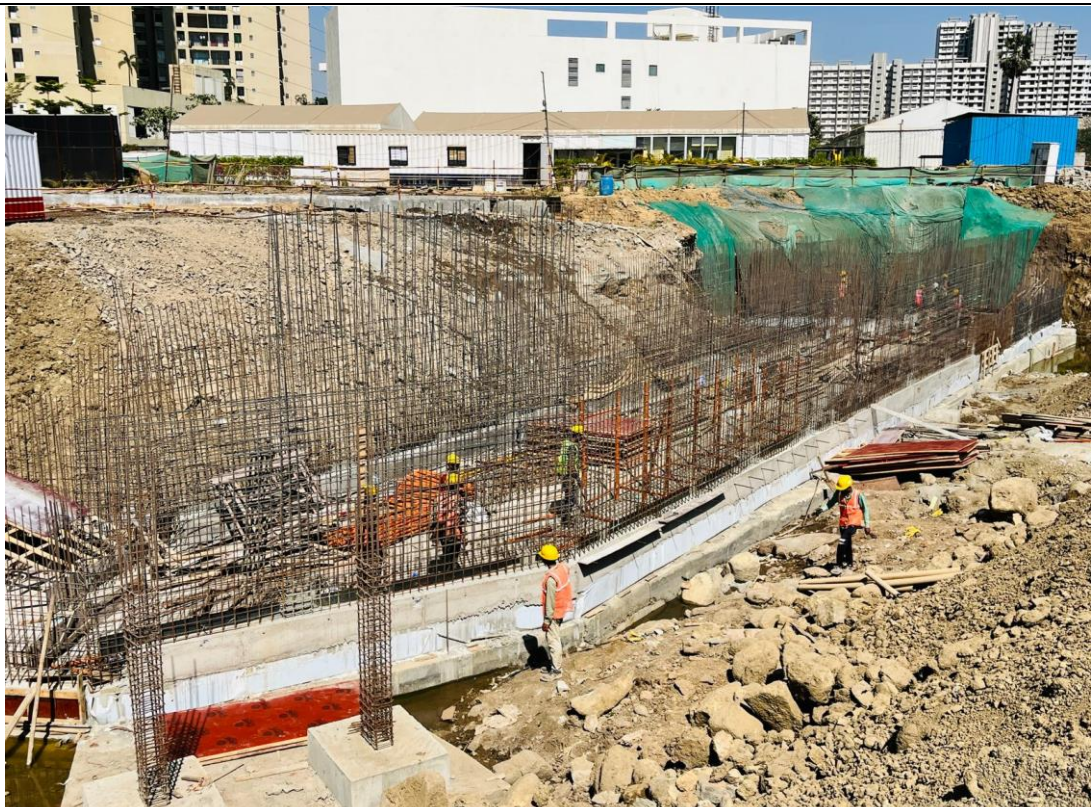
7	Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended from time to time.	PP has received the Environment Clearance SIA/MH/MIS/244299/2021 Dated 10.06.2022 and as per MoEF notification dated 12.04.2022 it is valid up to 10.06.2032.		
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 Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted		

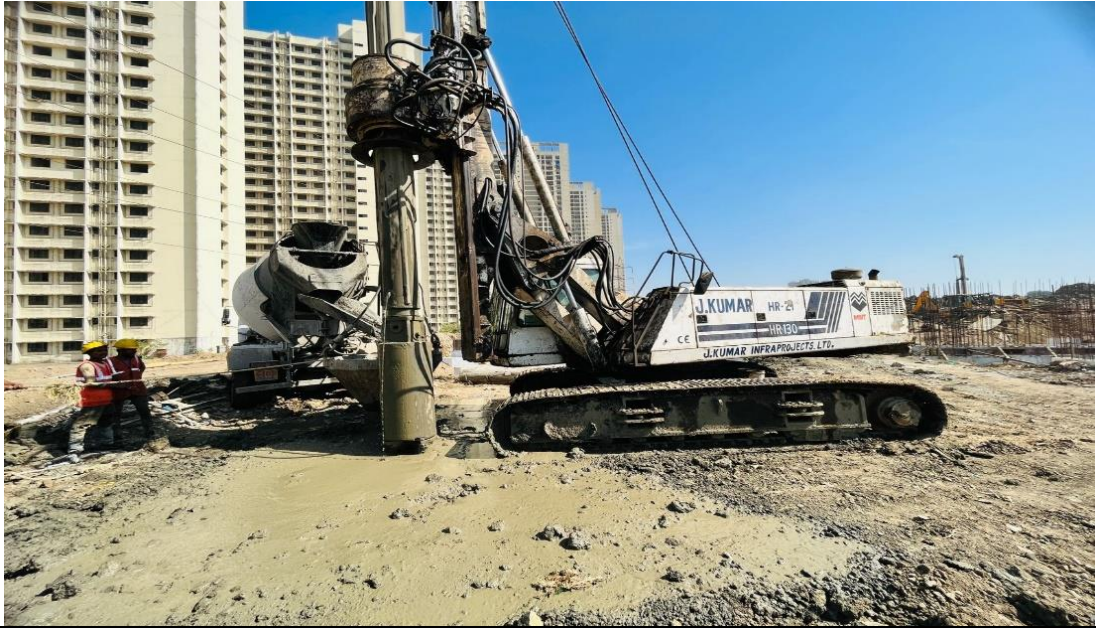
ANNEXURE I

Site Photographs

Construction Site







Toilets



**Drinking Water Facility**

**First Aid Center Cum Induction Room****Ambulance at Site**



Site Safety Board





Site Safety Rules Board

ANNEXURE II

Advertisements

Discover homes crafted for your Good Life

A good life where you can reconnect with nature at the Mhyowal forest or unwind at the sprawling back amidst the central greens, here, your fitness journey keeps evolving with an inclined jogging & cycling track and multiple other fitness amenities. Experience that stress-free environment to your heart's content and get your light in every room. All green laws from your balcony. At Codename Good Life, everything is designed to give you the life you desire.

Spacious 1 & 2 BHK in Kalyan Starting ₹36.8 Lakh (all-inclusive)

For more details ☎ 7506793873

CODENAME GOOD LIFE

Register online to get additional savings*

English newspaper "Mumbai Mirror" on 20th Nov 2022

शोध घ्या अशा घरांचा जेथे मिळेल गुड लाईफ

एक गुड लाईफ, दिवसेंदिवस घरांना लागतो कीमती पेंटोलेनस आणि पुढे जाऊन जैविक ऊर्जा, अनुभवा उर्वर कामकाजाला लागणारे कुठरी राहणारे अशा घरांचा शोध घ्या. अशा 2 मिनीटार आणि मुंबई-माहिका एक्स्प्रेसवेलोव्हरी अशा घरांचा शोध घ्या. येथे रोप वीज योग्य, मिनी विथेड आणि अशा अनेक सोयी सुखी जीवनासाठी उपलब्ध आहेत. कोडनेम गुड लाईफमध्ये समान काही विमाने कोल्ले आहे तुम्हाला समजावून घ्यायचे आहे इतरांच्यात अनुभवासाठी.

कल्याणमध्ये प्रकटित 1 आणि 2 BHK सुरुवात ₹36.8 लाखापासून (सर्व समाविष्ट)

अधिक माहितीसाठी कॉल करा ☎ 7506793873

CODENAME GOOD LIFE

ऑनलाईन रजिस्टर्ड करा आणि मिळावा ₹2.5 लाख पर्यंतची बचत*

Marathi newspaper "Maharashtra Times" on 25th Nov 2022

ANNEXURE III

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 Mhaiskar
 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.

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PARIVESH

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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><tr><th>Building Name</th><th>Configuration</th><th>Height (m)</th></tr><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 +</td><td>43.75</td></tr></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 +	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 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 +	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 IV

Monitoring Report



Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

Plot Nos. 13,14,17,18, Grampanchayat Bokhara, 8 km from Nagpur City,
Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist.Nagpur-441111

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Test Report

Report No.: ME-NG13710-220929-SA-PRPM-THANE		Date: 29.09.2022	
Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT 'MIRACLE'		Order Reference:
	Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		As per Verbal Discussion
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	15.09.2022	Date of Receipt of Sample	16.09.2022
Sampling Procedure	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India		
Date of Start of Analysis	19.09.2022	Date of Completion of Analysis	26.09.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Pollution & Environment (Soil)				
1.	pH (1+5)	-	8.1	FAO 1976, Sec.III,1, Page No. 65
2.	Electrical Conductivity (1+5)	μS/cm	138	FAO Sec. III .5, Page no-85
3.	Moisture Content	%	21.5	IS 2720 (Part II): 1973, RA 2002, Ed. 3.1
4.	Cation Exchange Capacity	meq/100gm	38.6	FAO Sec. III .7-2, Page No. 104
5.	Available Nitrogen	mg/kg	106	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India, Sec.4 -17, Page No 89
6.	Available Phosphorous	mg/kg	5.12	FAO Sec. III .12-1 Page no-157
7.	Available Calcium	meq/100gm	28.0	FAO Sec.III.8-1, Page No. 115
8.	Available Magnesium	meq/100gm	8.79	FAO Sec.III.8-1, Page No. 115
9.	Available Sodium	meq/100gm	1.91	FAO Sec.III.8-1, Page No. 115

ULR-1C748722000012751F



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Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

Continuation Sheet



Report No.13710 cont...

Sr. No.	Parameter		Unit	Result	Method Reference
10.	Available Potassium		meq/100gm	0.229	FAO Sec.III.8-1, Page No. 115
11.	Total Copper		mg/kg	152	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
12.	Total Manganese		mg/kg	139	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
13.	Total Iron		mg/kg	53320	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
14.	Total Zinc		mg/kg	96.8	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
15.	Grain Size (Texture)	Sand	%	48.4	Manual of Soil Testing Department of Agriculture & Cooperation, Ministry of Agriculture Govt. India, Sec 4.-17 Page No 68 & 105.
		Silt	%	16.0	
		Clay	%	35.6	
		Texture	-	Sandy Clay	
Remarks: All results are as received basis. BQL: Below Quantification Limit; LOQ: Limit of Quantification					

END

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

TECHNICAL MANAGER



Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).
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Test Report

Report No.: ME-NG13710N-220929-SA-PRPM-THANE			Date: 29.09.2022	
Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE" Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		Order Reference:	
			As per Verbal Discussion	
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	15.09.2022	Date of Receipt of Sample	16.09.2022	
Sampling Procedure	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India			
Date of Start of Analysis	19.09.2022	Date of Completion of Analysis	26.09.2022	

Sr. No.	Parameter	Unit	Result	Method Reference
1.	Free Lime	%	0.191	FAO Sec. III . Page no-71
2.	Total Sulphur	%	0.248	IS 1350 (Part III) 1969
3.	Organic Matter	%	BQL (LOQ:0.345)	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India, Sec.4 -17, Page No. 83.

Remarks: All results are as received basis. BQL: Below Quantification Limit; LOQ: Limit of Quantification

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

TECHNICAL MANAGER



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Test Report

Report No.: ME-NG13695-220924-SA-PRPM-THANE			Date: 24.09.2022
Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE" Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		Order Reference:
			Verbal
Sample Description/Type	Drinking Water	Sample Collected by	Laboratory
Sampling Location	Sales Office (Bislari Bottle)	Sample Quantity/Packing	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can 250mL X 1 No. Sterilized Glass Bottle
Date of Sampling	15.09.2022	Date of Receipt of Sample	16.09.2022
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	16.09.2022	Date of Completion of Analysis	24.09.2022

Sr. No.	Parameter	Unit	Result	Acceptable Limit for Drinking Water (IS 10500:2012)	Method Reference
Discipline: Chemical Testing; Product Group: Water (Drinking Water)					
1	Colour	Haze n	BQL (LOQ:1)	5 Max.	APHA 23 rd Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2018
3	pH	-	7.6	6.5 to 8.5	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
4	Turbidity	NTU	0.3	1 Max.	APHA 23 rd Ed. 2017, 2130-B, 2-13
5	Total Dissolved Solids	mg/L	39	500 Max.	IS 3025 (Part 16):1984 RA 2017, Ed.2.1(1999-12)
6	Total Suspended Solids	mg/L	BQL (LOQ:5)	-	APHA 23 rd Ed. 2017, 2540-D, 2-70
7	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 min.	APHA 23 rd Ed. 2017, 4500-CI G, 4-72
8	Total Hardness (as CaCO ₃)	mg/L	28	200 Max.	APHA 23 rd Ed. 2017, 2340-C, 2-48
9	Calcium (as Ca)	mg/L	8.0	75 Max.	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69

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Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor
Continuation Sheet



TC-7487

Report No.13695 Cont...

Sr. No.	Parameter	Unit	Result	Acceptable Limit for Drinking Water (IS 10500:2012)	Method Reference
10	Magnesium (as Mg)	mg/L	1.9	30 Max.	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
11	Alkalinity Total (as CaCO ₃)	mg/L	24	200 Max.	IS 3025 (Part 23):1986 Reaffirmed 2019 Amds 1
12	Chloride (as Cl)	mg/L	4.0	250 Max.	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
13	Sulphate (as SO ₄)	mg/L	2.2	200 Max.	APHA 23 rd Ed. 2017, 4500-SO ₄ -E, 4-199
14	Nitrate (as NO ₃)	mg/L	1.80	45 Max.	APHA 23 rd Ed. 2017, 4500-NO ₃ , E 4-131
15	Fluoride (as F)	mg/L	0.199	1 Max.	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
Residues in water (Trace metal Element)					
16	Iron (as Fe)	mg/L	0.188	1.0 Max.	IS 3025(Part 2) 2019
Discipline: Biological Testing; Product Group: Water (Drinking Water)					
17	Total Coliforms	P-A/100mL	Absent	Not Detectable	IS 15185: 2016
18	E-Coli	P-A/100mL	Absent	Not Detectable	IS 15185: 2016
Remarks: BQL: Below Quantification Limit; LOQ: Limit of Quantification					

END

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

TECHNICAL MANAGER
(Chemical Testing)



Shital N. Lakhorkar
GROUP INCHARGE
(Biological Testing)



Note:

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Phone : 91-712-2612162, 2612212, Cell:9326279040

Email: mahabal.nagpur@gmail.com, mahabal.laboratory@gmail.com



Test Report

Report No.: ME-NG13696-220924-SA-PRPM-THANE			Date: 24.09.2022
Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE" Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		Order Reference:
			Verbal
Sample Description/Type	Ground Water	Sample Collected by	Laboratory
Sampling Location	Borewell Tanker Water	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1 No. PVC Can 250mL X 1 No. Sterilized Glass Bottle
Date of Sampling	15.09.2022	Date of Receipt of Sample	16.09.2022
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	16.09.2022	Date of Completion of Analysis	24.09.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Water (Ground Water)				
1.	Colour	Hazen	BQL (LOQ:1)	APHA 23 rd Ed. 2017, 2120-B, 2-6
2.	Odour	-	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2018
3.	pH	-	7.4	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
4.	Turbidity	NTU	2.2	APHA 23 rd Ed. 2017, 2130-B, 2-13
5.	Total Dissolved Solids	mg/L	694	IS 3025 (Part 16):1984 RA 2017, Ed.2.1(1999-12)
6.	Total Suspended Solids	mg/L	BQL (LOQ:5)	APHA 23 rd Ed. 2017, 2540-D, 2-70
7.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
8.	Total Hardness (as CaCO ₃)	mg/L	396	APHA 23 rd Ed. 2017, 2340-C, 2-48
9.	Calcium (as Ca)	mg/L	111	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
10.	Magnesium (as Mg)	mg/L	29.2	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
11.	Total Alkalinity (as CaCO ₃)	mg/L	290	IS 3025 (Part 23):1986 Reaffirmed 2019



Signature

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QF/SALE/02/Issue No 03 Dt 05.12.2019, Amd 00 Dt 00

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ULR- TC748722000012737F



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Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

Continuation Sheet



Report No.13696 Cont...

Sr. No.	Parameter	Unit	Result	Method Reference
12.	Chloride (as Cl)	mg/L	164	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
13.	Sulphate (as SO ₄)	mg/L	58.0	APHA 23 rd Ed. 2017, 4500- SO ₄ -E, 4-199
14.	Nitrate (as NO ₃)	mg/L	52.7	APHA 23 rd Ed. 2017, 4500-NO ₃ , B 4-127
15.	Fluoride (as F)	mg/L	0.508	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
Residues in water (Trace metal Element)				
16.	Iron (as Fe)	mg/L	0.090	IS 3025 (Part 2) : 2019
Discipline: Biological Testing; Product Group: Water (Ground Water)				
17.	Total Coliforms	MPN/ 100 mL	<1.1	APHA 23 rd Ed. 2017, 9221-B, 9-69,
18.	E-Coli	MPN/ 100 mL	Absent	APHA 23 rd Ed. 2017, 9221-B, E & G, 9-69, 9-77 & 9-80
Remarks: BQL: Below Quantification Limit; LOQ: Limit of Quantification				

END

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

TECHNICAL MANAGER
(Chemical Testing)



Shital N. Lakhorkar

GROUP INCHARGE
(Biological Testing)



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TC-7487

Test Report

Report No.: ME-NG13693-220921-SA-PRPM-THANE		Date: 21.09.2022	
Name and address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE"		Order Reference:
	Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		Verbal
Sample Description/Type	Ambient Air Quality Monitoring	Sample Collected by	Laboratory
Sampling Location	Near Main Gate	Sample Quantity/Packing	Filter Paper (PM ₁₀): 1 X 1 No. Filter Paper (PM _{2.5}): 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	14.09.2022	Date of Receipt of Sample	16.09.2022
Sampling Procedure	As per Method reference		
Date of Start of Analysis	17.09.2022	Date of Completion of Analysis	19.09.2022

Sr. No.	Parameter	Unit	Result	#NAAQM Standard	Method Reference
Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)					
Location		Near Main Gate		Duration of Survey	08 hours
1	Sulphur Dioxide (SO ₂)	µg/m ³	8.9	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	56	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	21	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
Remarks: TWA - Time Weighted Average, #- NAAQS specified as: 24 h. TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM ₁₀ , PM _{2.5}					

END

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Harish Mendhi

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Test Report

Report No.: ME- NG13694-220921- SA-PRPM-THANE			Date: 21.09.2022
Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE"		Order Reference:
	Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		Verbal
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	D.G. Set 160 KVA Near Sales Office	Sample Quantity/Packing	Thimble:1 X 1 No. SO ₂ :30 mL X 1 No. PVC Bottle
Date of Sampling	14.09.2022	Date of Receipt of Sample	16.09.2022
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.09.2022	Date of Completion of Analysis	20.09.2022

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Identity	S -1
Stack attached to	D.G. Set 160 KVA Near Sales Office
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)	8

Sr. No.	Parameter	Unit	Result	Method Reference
1	Flue gas Temperature	°C	92	IS 11255 (Part 3):2008; RA 2018
2	Flue gas Velocity	m/s	7.36	IS 11255 (Part 3):2008; RA 2018
3	Total gas quantity	Nm ³ /h	170	IS 11255 (Part 3):2008; RA 2018
4	Particulate Matter (PM)	mg/Nm ³	24	IS 11255 (Part 1):1985 RA 2019
5	Sulphur Dioxide (SO ₂)	mg/Nm ³	BQL (LOQ:10)	IS 11255 (Part 2):1985 RA 2019

Remarks: BQL: Below Quantification Limit; LOQ: Limit of Quantification

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Test Report

Report No.: ME-NG13697-220921-SA-PRP-THANE		Date: 21.09.2022
Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT 'MIRACLE' Village: Ranjnoli, Tal. Bhiwandi, Dist: Thane	Order Reference:
		Verbal
Date of Sampling	14.09.2022	
Sample Description/Type	Ambient Noise Level Monitoring	
Sampling Procedure	IS 9876:1981	

Discipline: Chemical Testing; **Product Group:** Atmospheric Pollution (Ambient Noise)

Sr. No.	Location	Time (h)	Sound Level dB(A) Fast Response	Sound Level dB(A) Slow Response
1	Project West Side	10:00	57	54
2	Near Main Gate	10:15	59	56

THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000

Area Code	Category of Area /Zone	Limit in dB(A) weighted scale	
		Day Time (6:00a.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

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Test Report

Report No.: ME-NG12411-220901-SA-PRPM-THANE		Date: 01.09.2022	
Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT 'MIRACLE'		Order Reference:
	Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		As per Verbal Discussion
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	16.08.2022	Date of Receipt of Sample	18.08.2022
Sampling Procedure	Manual on Soil, Plant& Water Analysis		
Date of Start of Analysis	19.08.2022	Date of Completion of Analysis	30.08.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Pollution & Environment (Soil)				
1.	pH (1+5)	-	9.0	FAO 1976, Sec.III,1, Page No. 65
2.	Electrical Conductivity (1+5)	μS/cm	45.9	FAO Sec. III .5, Page no-85
3.	Moisture Content	%	2.30	IS 2720 (Part II): 1973, RA 2002, Ed. 3.1
4.	Cation Exchange Capacity	meq/100gm	37.4	FAO Sec. III .7-2, Page No. 104
5.	Available Nitrogen	mg/kg	83.9	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India, Sec.4 -17, Page No 89
6.	Available Phosphorous	mg/kg	3.91	FAO Sec. III .12-1 Page no-157
7.	Available Calcium	meq/100gm	19.1	FAO Sec.III.8-1, Page No. 115
8.	Available Magnesium	meq/100gm	12.3	FAO Sec.III.8-1, Page No. 115
9.	Available Sodium	meq/100gm	3.83	FAO Sec.III.8-1, Page No. 115

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Report No.12411 cont...

Sr. No.	Parameter		Unit	Result	Method Reference
10.	Available Potassium		meq/100gm	2.18	FAO Sec.III.8-1, Page No. 115
11.	Total Copper		mg/kg	124	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
12.	Total Manganese		mg/kg	734	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
13.	Total Iron		mg/kg	44028	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
14.	Total Zinc		mg/kg	89.6	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
15.	Grain Size (Texture)	Sand	%	46.5	Manual of Soil Testing Department of Agriculture & Cooperation, Ministry of Agriculture Govt. India, Sec 4.-17 Page No 68 & 105.
		Silt	%	22.0	
		Clay	%	31.5	
		Texture	-	Sandy Clay Loam	
Remarks: All results are as received basis. BQL: Below Quantification Limit; LOQ: Limit of Quantification					

END

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Test Report

Report No.: ME-NG12411N-220901-SA-PRPM-THANE			Date: 01.09.2022	
Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE" Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		Order Reference:	
			As per Verbal Discussion	
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	16.08.2022	Date of Receipt of Sample	18.08.2022	
Sampling Procedure	Manual on Soil, Plant& Water Analysis			
Date of Start of Analysis	19.08.2022	Date of Completion of Analysis	30.08.2022	

Sr. No.	Parameter	Unit	Result	Method Reference
1.	Free Lime	%	0.177	FAO Sec. III . Page no-71
2.	Total Sulphur	%	BQL (LOQ:0.05)	ASTM -D 4239
3.	Organic Matter	%	0.245	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India, Sec.4 -17, Page No. 83.

Remarks: All results are as received basis. BQL: Below Quantification Limit; LOQ: Limit of Quantification

END

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Test Report

Report No.: ME-NG12406-220824-SA-PRPM-THANE			Date: 24.08.2022
Name and address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE" Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		Order Reference:
			Verbal
Sample Description/Type	Ambient Air Quality Monitoring	Sample Collected by	Laboratory
Sampling Location	Near Main Gate	Sample Quantity/Packing	Filter Paper (PM ₁₀): 1 X 1 No. Filter Paper (PM _{2.5}): 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	16.08.2022	Date of Receipt of Sample	18.08.2022
Sampling Procedure	As per Method reference		
Date of Start of Analysis	19.08.2022	Date of Completion of Analysis	19.08.2022

Sr. No.	Parameter	Unit	Result	#NAAQM Standard	Method Reference
Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)					
Location	Near Main Gate			Duration of Survey	08 hours
1	Sulphur Dioxide (SO ₂)	µg/m ³	7.6	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	8.0	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	53	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

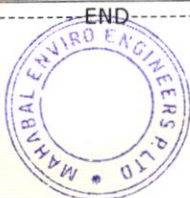
Remarks: TWA - Time Weighted Average, #- NAAQS specified as: 24 h. TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

Harish Mendhi

TECHNICAL MANAGER



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Test Report

Report No.: ME- NG12407-220824- SA-PRPM-THANE			Date: 24.08.2022
Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE"		Order Reference:
	Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		Verbal
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	D.G. Set 160 KVA Near Sales Office	Sample Quantity/Packing	Thimble:1 X 1 No. SO ₂ :30 mL X 1 No. PVC Bottle
Date of Sampling	16.08.2022	Date of Receipt of Sample	18.08.2022
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.08.2022	Date of Completion of Analysis	20.08.2022

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Identity	S - 1
Stack attached to	D.G. Set 160 KVA Near Sales Office
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)	8

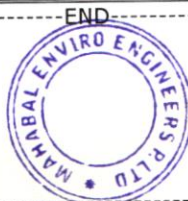
Sr. No.	Parameter	Unit	Result	Method Reference
1	Flue gas Temperature	°C	86	IS 11255 (Part 3):2008; RA 2018
2	Flue gas Velocity	m/s	7.23	IS 11255 (Part 3):2008; RA 2018
3	Total gas quantity	Nm ³ /h	169	IS 11255 (Part 3):2008; RA 2018
4	Particulate Matter (PM)	mg/Nm ³	26	IS 11255 (Part 1):1985 RA 2019
5	Sulphur Dioxide (SO ₂)	mg/Nm ³	22	IS 11255 (Part 2):1985 RA 2019

Remarks:

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

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Test Report

Report No.: ME-NG12408-220826-SA-PRPM-THANE			Date: 26.08.2022
Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE" Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		Order Reference:
			Verbal
Sample Description/Type	Drinking Water	Sample Collected by	Laboratory
Sampling Location	Sales Office (Bislari Bottle)	Sample Quantity/Packing	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can 250mL X 1 No. Sterilized Glass Bottle
Date of Sampling	17.08.2022	Date of Receipt of Sample	18.08.2022
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	18.08.2022	Date of Completion of Analysis	25.08.2022

Sr. No.	Parameter	Unit	Result	Acceptable Limit for Drinking Water (IS 10500:2012)	Method Reference
Discipline: Chemical Testing; Product Group: Water (Drinking Water)					
1	Colour	Haze n	BQL (LOQ:1)	5 Max.	APHA 23 rd Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2018
3	pH	-	6.9	6.5 to 8.5	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
4	Turbidity	NTU	0.2	1 Max.	APHA 23 rd Ed. 2017, 2130-B, 2-13
5	Total Dissolved Solids	mg/L	32	500 Max.	IS 3025 (Part 16):1984 RA 2017, Ed.2.1(1999-12)
6	Total Suspended Solids	mg/L	BQL (LOQ:5)	-	APHA 23 rd Ed. 2017, 2540-D, 2-70
7	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 min.	APHA 23 rd Ed. 2017, 4500-CI G, 4-72
8	Total Hardness (as CaCO ₃)	mg/L	22	200 Max.	APHA 23 rd Ed. 2017, 2340-C, 2-48
9	Calcium (as Ca)	mg/L	4.8	75 Max.	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69

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Signature

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Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

Continuation Sheet

Report No.12408 Cont...

Sr. No.	Parameter	Unit	Result	Acceptable Limit for Drinking Water (IS 10500:2012)	Method Reference
10	Magnesium (as Mg)	mg/L	2.4	30 Max.	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
11	Alkalinity Total (as CaCO ₃)	mg/L	20	200 Max.	IS 3025 (Part 23):1986 Reaffirmed 2019 Amds 1
12	Chloride (as Cl)	mg/L	4.0	250 Max.	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
13	Sulphate (as SO ₄)	mg/L	BQL (LOQ:1)	200 Max.	APHA 23 rd Ed. 2017, 4500-SO ₄ -E, 4-199
14	Nitrate (as NO ₃)	mg/L	BQL (LOQ:0.5)	45 Max.	APHA 23 rd Ed. 2017, 4500-NO ₃ , E 4-131
15	Fluoride (as F)	mg/L	0.199	1 Max.	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
Residues in water (Trace metal Element)					
16	Iron (as Fe)	mg/L	0.053	1.0 Max.	IS 3025(Part 2) 2019
Discipline: Biological Testing; Product Group: Water (Drinking Water)					
17	Total Coliforms	P-A/100mL	Absent	Not Detectable	IS 15185: 2016
18	E-Coli	P-A/100mL	Absent	Not Detectable	IS 15185: 2016
Remarks: BQL: Below Quantification Limit; LOQ: Limit of Quantification					

-END-

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.


Harish Mendhi

TECHNICAL MANAGER
(Chemical Testing)




Shital N. Lakhorkar
GROUP INCHARGE
(Biological Testing)



Note:

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Plot Nos. 13,14,17,18, Grampanchayat Bokhara, 8 km from Nagpur City,

Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist. Nagpur-441111

Phone : 91-712-2612162, 2612212, WP:9326279040 Email: mahabal.nagpur@gmail.com

Test Report

Report No.: ME-NG12409-220826-SA-PRPM-THANE			Date: 26.08.2022
Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT "MIRACLE"		Order Reference:
	Village: Ranjnoli, Tal: Bhiwandi, Dist: Thane		Verbal
Sample Description/Type	Ground Water	Sample Collected by	Laboratory
Sampling Location	Borewell Tanker Water	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1 No. PVC Can 250mL X 1 No. Sterilized Glass Bottle
Date of Sampling	17.08.2022	Date of Receipt of Sample	18.08.2022
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	18.08.2022	Date of Completion of Analysis	25.08.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Water (Ground Water)				
1.	Colour	Hazen	BQL (LOQ:1)	APHA 23 rd Ed. 2017, 2120-B, 2-6
2.	Odour	-	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2018
3.	pH	-	7.0	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
4.	Turbidity	NTU	2.2	APHA 23 rd Ed. 2017, 2130-B, 2-13
5.	Total Dissolved Solids	mg/L	468	IS 3025 (Part 16):1984 RA 2017, Ed.2.1(1999-12)
6.	Total Suspended Solids	mg/L	BQL (LOQ:5)	APHA 23 rd Ed. 2017, 2540-D, 2-70
7.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
8.	Total Hardness (as CaCO ₃)	mg/L	320	APHA 23 rd Ed. 2017, 2340-C, 2-48
9.	Calcium (as Ca)	mg/L	88.1	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
10.	Magnesium (as Mg)	mg/L	24.3	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
11.	Total Alkalinity (as CaCO ₃)	mg/L	260	IS 3025 (Part 23):1986 Reaffirmed 2019

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Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor
Continuation Sheet

Report No.12409 Cont...

Sr. No.	Parameter	Unit	Result	Method Reference
12.	Chloride (as Cl)	mg/L	51.0	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
13.	Sulphate (as SO ₄)	mg/L	54.4	APHA 23 rd Ed. 2017, 4500- SO ₄ -E, 4-199
14.	Nitrate (as NO ₃)	mg/L	21.0	APHA 23 rd Ed. 2017, 4500-NO ₃ , B 4-127
15.	Fluoride (as F)	mg/L	0.406	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
Residues in water (Trace metal Element)				
16.	Iron (as Fe)	mg/L	0.125	IS 3025 (Part 2) : 2019
Discipline: Biological Testing; Product Group: Water (Ground Water)				
17.	Total Coliforms	MPN/ 100 mL	<1.1	APHA 23 rd Ed. 2017, 9221-B, 9-69,
18.	E-Coli	MPN/ 100 mL	Absent	APHA 23 rd Ed. 2017, 9221-B, E & G, 9-69, 9-77 & 9-80
Remarks: BQL: Below Quantification Limit; LOQ: Limit of Quantification				

---END---

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

TECHNICAL MANAGER
(Chemical Testing)



Shital N. Lakhorkar
GROUP INCHARGE
(Biological Testing)



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Test Report

Report No.: ME-NG12410-220824-SA-PRP-THANE		Date: 24.08.2022
Name and Address of Customer	PROPOSED RESIDENTIAL PROJECT 'MIRACLE' Village: Ranjnoli, Tal. Bhiwandi, Dist: Thane	Order Reference:
		Verbal
Date of Sampling	16.08.2022	
Sample Description/Type	Ambient Noise Level Monitoring	
Sampling Procedure	IS 9876:1981	

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Noise)

Sr. No.	Location	Time in h	Sound Level dB(A) Fast Response	Sound Level dB(A) Slow Response
1	Project West Side	10:00	56	52
2	Near Main Gate	10:15	56	53

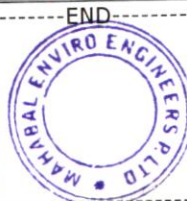
THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000

Area Code	Category of Area /Zone	Limit in dB(A) weighted scale	
		Day Time (6:00a.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

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

TECHNICAL MANAGER



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