

# **Environmental Clearance Compliance Report**

October 2022 to March 2023

**Kaleidoscope Developers Pvt. Ltd.**

**Kaleidoscope Township**

at Bhugaon, Pune

**(Environmental Clearance Letter no. 21-52/2017-  
IA.III dated 10th August, 2017)**

## **Compliance Status of EC Conditions**

**Letter No. 21-52/2017-IA.III dated 10th August, 2017**

No	Condition	Compliance	☑	P
	<b>I) General conditions for Pre-construction phase</b>			
(i)	The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	PP will comply with the condition. PP has obtained permission from relevant authority & construction will be done in accordance with local building bye-laws.		
(ii)	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage system (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Building shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	PP has complied with the condition. Construction has not obstructed any natural drainage through site.		
(iii)	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, construction dust/ wind breaking walls shall rounds the site (at least 3-meter Height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as talking out debris from the site. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.	PP has complied with the condition.  Water sprinkling system has been provided to reduce fugitive emissions. All materials are covered adequately to prevent dust pollution.		

No	Condition	Compliance	☑	P
(iv)	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, unloading, carriage with dust pollution shall be provided with dust mask.	PP has complied with the condition.		
(v)	At least 20% of the open space as required by the local building bye-laws shall be provided. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.	PP will comply with the condition.		
(vi)	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in building by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased by lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specification.	PP will comply with the condition. PP has followed ECBC specifications.		
(vii)	Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.	PP will comply with the condition.		
(viii)	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.	PP will comply with the condition.		
(ix)	Separation of gray and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.	PP will comply with the condition.		

No	Condition	Compliance	S	P
(x)	Sewage shall be treated in the STP based on moving bed biofilm reactor (MBBR) technology. The treated effluent from STP shall be recycled/re-used for flushing, horticulture & DG cooling.	PP will comply with the condition.		
(xi)	The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. As proposed, Rainwater of buildings will be collected and 85 No. of RWH pits shall be provided for storm water recharging to ground after filtration as per CGWB guidelines.	PP will comply with the condition.		
(xii)	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. As proposed, 4626.64 m <sup>2</sup> of space shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from group housing project will be sent to dumping site.	PP will comply with the condition. Construction work not started yet.		
(xiii)	Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.	PP will comply with the condition.		
(xiv)	A first aid room shall be provided at the Project both during construction and operation of the Project.	PP will comply with the condition. Construction work not started yet.		
(xv)	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	PP will comply with the condition. Construction work is not started yet.		
(xvi)	Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	PP will comply with the condition. Construction work not started yet.		

No	Condition	Compliance	☑	P
(xvii)	The diesel generator to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.	PP will comply with the condition. Construction work not started yet.		
(xviii)	Water demand during construction should be reduced by use of pre-mixed phase of the project.	PP will comply with the condition.		
(xix)	As proposed, no ground water shall be used during construction / operation phase of the project.	PP will comply with the condition.		
(xx)	Approval of the CGWA require before any dewatering for basements.	PP will comply with the condition. Construction work not started yet.		
(xxi)	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.	PP will comply with the condition. Construction work not started yet.		
(xxii)	The hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the Sate Pollution Control Board.	PP will comply with the condition. Construction work not started yet.		
(xxiii)	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.	PP will comply with the condition. Construction work not started yet.		
(xxiv)	Ambient noise levels shall confirm to residential standards both during day and night as per Noise Pollution (Control and Regulation) Rules 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated by CPCB / SPCB.	PP will comply with the condition. Monitoring reports are attached.	✓	

No	Condition	Compliance	☑	P
(xxv)	Use of environmental friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include fly ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials. Fly ash should be used as building material in construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.	PP will comply with the condition. Construction work not started yet.		
(xxvi)	No ponds shall be infringed and used for landfill. The depression where land filling is proposed should be suitably certified that it is not a notified pond.	PP will comply with the condition. Construction work not started yet.		
(xxvii)	A comprehensive mobility plan, as per MoUD best practices Guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. Traffic calming measures. Proper design of entry and exit points. Parking norms as per local regulation.	PP will comply with the condition. Construction work not started yet.		
	<b>II) Operation Phase</b>			
(i)	The gaseous emission from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise Pollution. Low Sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provision of the Central Pollution Board (CPCB) norms.	PP will comply with the condition. Monitoring reports are attached.	✓	
(ii)	For indoor air quality the ventilation provisions as per National Building Code of India.	PP will comply with the condition. Construction work not started yet.		
(iii)	Fresh water requirement from Municipal Water Supply shall not exceed 3381 m <sup>3</sup> / day.	PP will comply with the condition. Construction work not started yet.		

<b>No</b>	<b>Condition</b>	<b>Compliance</b>	<b>☑</b>	<b>P</b>
(iv)	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.	PP will comply with the condition. Monitoring reports are attached.	✓	
(v)	The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigated the odour problem from STP.	PP will comply with the condition. Construction work not started yet.		
(vi)	No sewage or un treated effluent water would be discharged through storm water drains.	PP will comply with the condition. Construction work not started yet.		
(vii)	Sludge from the onsite sewage treatment, including septic tanks, shall be collected conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.	PP will comply with the condition.		
(viii)	The provisions of the Solid Waste (Management) Rules, 2016, and the Plastic Waste (Management) Rules, 2016 shall be followed.	PP will comply with the condition.		
(ix)	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heaters shall be used to meet hot water demand, as far as possible.	PP will comply with the condition.		
(x)	Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TEL and LED shall be properly collected and disposed off/sent for recycling as per the prevailing queenliness/rules of the regulatory authority to avoid mercury contamination.	PP will comply with the condition.		

No	Condition	Compliance	☑	P
(xi)	A minimum of 1 tree every 80 sq.mt. of land should be planted and maintained. The existing trees will be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e planting of 3 trees for every 1 tree that is cut) shall be done and maintained.	PP will comply with the condition.		
(xii)	An environmental management plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like efficiency and conservation, water efficiency and conservation, solid waste required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.	PP will comply with the condition.		
<b>Part – B General Conditions</b>				
(i)	A copy of the environmental clearance shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries center and Collector’s Office/ Tehsildar’s office for 30days.	PP agrees to comply with the condition.		
(ii)	The funds earmarked for environmental protection measures shall be kept in Separate account and shall not diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.	PP will comply with the condition.		
(iii)	Officials from the Regional Office of MoEF&CC, Nagpur who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Nagpur.	PP will comply with the condition.		
(iv)	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Being complied with condition.		



No	Condition	Compliance	☑	P
(v)	The ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	PP will comply with the condition.		
(vi)	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	PP will comply with the condition.		
(vii)	These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act, 1991 and the EIA Notification, 2006.	PP will comply with the condition.		
(viii)	The project proponent shall advertise in at least two local newspaper widely circulated in the region, one of which shall be in the vernacular languages informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Changes at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Nagpur.	Being complied with condition.		
(ix)	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	PP will comply with the condition.		

No	Condition	Compliance	☑	P
(x)	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestion/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.	Being complied with condition. Copy of Environment Clearance submitted to Pune Metropolitan Region Development Agency (PMRDA) along with approval documents.	✓	
(xi)	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emission) or criteria sectoral 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.	PP will comply with the condition.		
(xii)	The environmental statement for each financial year 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&CC by e-mail.	PP will comply with the condition.		
4.	This issue with the approval of the Competent Authority.	PP will comply with the condition.		

**CONDITION OF CONSENT TO ESTABLISH****Format1.0/CAC-CELL/UAN No.0000053770/CE-2005000238 dated 08/05/2020**

No	Condition	Compliance	☑	P																				
4.	Conditions under Water (P&CP 1974 Act for discharge of effluent:																							
	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Permitted quantity of discharge (CMD)</th> <th>Standards to be achieved</th> <th>Disposal</th> </tr> </thead> <tbody> <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>4691</td> <td>As per Schedule-I</td> <td>60% should be reused &amp; recycled and remaining should be discharged in municipal sewer.</td> </tr> </tbody> </table>	Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal	1.	Trade effluent	NIL	NA	NA	2.	Domestic effluent	4691	As per Schedule-I	60% should be reused & recycled and remaining should be discharged in municipal sewer.	PP will comply with the condition.							
Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal																				
1.	Trade effluent	NIL	NA	NA																				
2.	Domestic effluent	4691	As per Schedule-I	60% should be reused & recycled and remaining should be discharged in municipal sewer.																				
5.	Conditions under Air (P&CP) Act, 1981 for air emissions:																							
	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description of stack/source</th> <th>Numbers of Stack</th> <th>Standards to be achieved</th> </tr> </thead> <tbody> <tr> <td>S-1 to S-30</td> <td>DG Set (4X400, 2X315, 4X200, 4X160, 2X140, 3X125, 4X100, 2X92.5, 5X82.5, 2X70 &amp; 62.5 kVA)</td> <td>30</td> <td>As per Schedule-II</td> </tr> </tbody> </table>	Sr. No.	Description of stack/source	Numbers of Stack	Standards to be achieved	S-1 to S-30	DG Set (4X400, 2X315, 4X200, 4X160, 2X140, 3X125, 4X100, 2X92.5, 5X82.5, 2X70 & 62.5 kVA)	30	As per Schedule-II	PP will comply with the condition.														
Sr. No.	Description of stack/source	Numbers of Stack	Standards to be achieved																					
S-1 to S-30	DG Set (4X400, 2X315, 4X200, 4X160, 2X140, 3X125, 4X100, 2X92.5, 5X82.5, 2X70 & 62.5 kVA)	30	As per Schedule-II																					
6..	Conditions under Solid Waste Management Rules, 2016:																							
	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Type of Waste</th> <th>Quantity &amp; UoM</th> <th>Treatment</th> <th>Disposal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Bio degradable Waste</td> <td>9952 kg/Day</td> <td>OWC followed by composting</td> <td>Used as Manure</td> </tr> <tr> <td>2</td> <td>Non Bio degradable Waste</td> <td>7051 Kg/Day</td> <td>Segregation / Recycler</td> <td>Auth, vendor/ Local body</td> </tr> <tr> <td>3</td> <td>STP Sludge</td> <td>469 Kg/Day</td> <td>Dewatering</td> <td>Used as Manure</td> </tr> </tbody> </table>	Sr. No.	Type of Waste	Quantity & UoM	Treatment	Disposal	1	Bio degradable Waste	9952 kg/Day	OWC followed by composting	Used as Manure	2	Non Bio degradable Waste	7051 Kg/Day	Segregation / Recycler	Auth, vendor/ Local body	3	STP Sludge	469 Kg/Day	Dewatering	Used as Manure	Non Bio degradable waste will segregated & handed over to recyclers. Bio Degradable waste will be composted and used as organic manure for landscaping. STP sludge after drying used as manure for plantation & gardening purposes inside the premises.		
Sr. No.	Type of Waste	Quantity & UoM	Treatment	Disposal																				
1	Bio degradable Waste	9952 kg/Day	OWC followed by composting	Used as Manure																				
2	Non Bio degradable Waste	7051 Kg/Day	Segregation / Recycler	Auth, vendor/ Local body																				
3	STP Sludge	469 Kg/Day	Dewatering	Used as Manure																				

No	Condition	Compliance	☑	P												
7	<p>Conditions under Hazardous and other Wastes (M &amp; TM) Rules, 2016 for treatment and Disposal of Hazardous waste:</p> <table border="1"> <thead> <tr> <th>Sr.No</th> <th>Category No.</th> <th>Quantity</th> <th>UoM</th> <th>Treatment</th> <th>Disposal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5.1 Used or spent Oil</td> <td>500</td> <td>Ltr/A</td> <td>Recycle</td> <td>Sale to auth. Party/Recycler/Re-processor</td> </tr> </tbody> </table>	Sr.No	Category No.	Quantity	UoM	Treatment	Disposal	1	5.1 Used or spent Oil	500	Ltr/A	Recycle	Sale to auth. Party/Recycler/Re-processor	PP will comply with the condition		
Sr.No	Category No.	Quantity	UoM	Treatment	Disposal											
1	5.1 Used or spent Oil	500	Ltr/A	Recycle	Sale to auth. Party/Recycler/Re-processor											
8	The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be building on the industry.	Noted by PP.														
9	This consent should not be construed as exemption from obtaining necessary this NOC/permission from any other Government agencies.	Noted by PP.														
10	PP shall submit an undertaking in prescribed format regarding compliance of conditions of EC and Consent to Establish condition.	Being complied with.														
11	PP shall submit an undertaking regarding the area for which expansion of C to E application is made is included in environment Clearance.	Yes, PP already submitted undertaking in Board's prescribed format.														
12	PP shall provide adequate capacity of sewage treatment plant so as to achieve treated domestic effluent standards for the parameter BOD-10 mg/lit.	PP will comply with the condition.														
13	The treated effluent shall be 100% recycled for secondary purpose such as toilet flushing, air-conditioning, cooling tower make up, fire-fighting etc. and remaining shall be utilized on land for gardening with water metering system. No sewage shall be discharged in any water source.	PP will comply with the condition.														
14	PP shall install organic waste digester along with composting facility/biodigester (biogas) with composting facility for the treatment of wet garbage.	PP will comply with the condition.														
15	PP shall submit BG of Rs. 25 lakhs towards compliance of EC and consent to establish condition.	PP has complied with the condition.														

**SCHEDULE-I**

No	Condition	Compliance	☑	P														
	<u>Terms &amp; conditions for compliance of Water Pollution Control:</u>																	
1)	A] As per your application, you have proposed to provide MBBR based Sewage Treatment Plants (STPs) of combined capacity 4925 CMD for treatment of domestic effluent of 4691 CMD	PP will comply with the condition.																
	B] The Applicant shall operate the effluent treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rule made there under from time to time, whichever is stringent.	PP will comply with the condition.																
	<table border="1"> <thead> <tr> <th>Sr.No</th> <th>Parameters</th> <th>Standards prescribed by Board</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>BOD (3 DAYS 27°C)</td> <td>10 mg/l.</td> </tr> <tr> <td>02</td> <td>Suspended Solids</td> <td>20 mg/l.</td> </tr> <tr> <td>03</td> <td>COD</td> <td>50 mg/l.</td> </tr> <tr> <td>04</td> <td>Residual Chlorine</td> <td>1 PPM</td> </tr> </tbody> </table>	Sr.No	Parameters	Standards prescribed by Board	01	BOD (3 DAYS 27°C)	10 mg/l.	02	Suspended Solids	20 mg/l.	03	COD	50 mg/l.	04	Residual Chlorine	1 PPM		
Sr.No	Parameters	Standards prescribed by Board																
01	BOD (3 DAYS 27°C)	10 mg/l.																
02	Suspended Solids	20 mg/l.																
03	COD	50 mg/l.																
04	Residual Chlorine	1 PPM																
	C] The treated effluent shall be 100% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting, cooling tower makeup for construction activity etc. and remaining shall utilized on land for gardening with water metering system. In no case, effluent shall find its way outside Projects premise.	PP will comply with the condition.																
	D] 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 should 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	Noted by PP.																
2)	The industry should 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.	Noted by PP.																
3)	The Applicant shall comply with the provision of the water (Prevention & Control of pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act	PP will comply with the condition.																
	<table border="1"> <thead> <tr> <th>Sr. no.</th> <th>Purpose for water consumed</th> <th>Water consumption quantity (CMD)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Domestic purpose</td> <td>5212</td> </tr> </tbody> </table>	Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)	1	Domestic purpose	5212											
Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)																
1	Domestic purpose	5212																
4)	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 will comply with the condition.																

**SCHEDULE - II**

No	Condition	Compliance	☑	P																																																																								
	Terms & conditions for compliance of Air Pollution Control:																																																																											
1.	<p>As per your application, you have proposed to install the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-</p> <table border="1"> <thead> <tr> <th>Sr. no</th> <th>Stack Attached to</th> <th>APC System</th> <th>Height in Mtrs.</th> <th>Type of Fuel</th> <th>Quantity &amp; UoM</th> </tr> </thead> <tbody> <tr> <td>S-1 to S-4</td> <td>DG Set (4X400 kVA)</td> <td>Acoustic enclosure/Stack</td> <td>4</td> <td>HSD</td> <td>336 Ltr/Hr</td> </tr> <tr> <td>S-5 to S-6</td> <td>DG Set (2X315 kVA)</td> <td>Acoustic enclosure/Stack</td> <td>3.5</td> <td>HSD</td> <td>132 Ltr/Hr</td> </tr> <tr> <td>S-7 to S-10</td> <td>DG Set (4X200 kVA)</td> <td>Acoustic enclosure/Stack</td> <td>3</td> <td>HSD</td> <td>168 Ltr/Hr</td> </tr> <tr> <td>S-11 to S-14</td> <td>DG Set (4X160 kVA)</td> <td>Acoustic enclosure/Stack</td> <td>2.5</td> <td>HSD</td> <td>135 Ltr/Hr</td> </tr> <tr> <td>S-15 to S-16</td> <td>DG Set (2X140 kVA)</td> <td>Acoustic enclosure/Stack</td> <td>2.5</td> <td>HSD</td> <td>59 Ltr/Hr</td> </tr> <tr> <td>S-17 to S-19</td> <td>DG Set (2X125 kVA)</td> <td>Acoustic enclosure/Stack</td> <td>2.5</td> <td>HSD</td> <td>79 Ltr/Hr</td> </tr> <tr> <td>S-20 to S-23</td> <td>DG Set (4X100 kVA)</td> <td>Acoustic enclosure/Stack</td> <td>2</td> <td>HSD</td> <td>84 Ltr/Hr</td> </tr> <tr> <td>S-24 to S-25</td> <td>DG Set (2X92.5 kVA)</td> <td>Acoustic enclosure/Stack</td> <td>2.5</td> <td>HSD</td> <td>37 Ltr/Hr</td> </tr> <tr> <td>S-26 to S-27</td> <td>DG Set (2X82.5 kVA)</td> <td>Acoustic enclosure/Stack</td> <td>2</td> <td>HSD</td> <td>33 Ltr/Hr</td> </tr> <tr> <td>S-28 to S-29</td> <td>DG Set (2X70 kVA)</td> <td>Acoustic enclosure/Stack</td> <td>2</td> <td>HSD</td> <td>28 Ltr/Hr</td> </tr> <tr> <td>S30</td> <td>DG Set (2X140 kVA)</td> <td>Acoustic enclosure/Stack</td> <td>1.5</td> <td>HSD</td> <td>13 Ltr/Hr</td> </tr> </tbody> </table> <p>*Above roof of the building in which it is installed.</p>	Sr. no	Stack Attached to	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S-1 to S-4	DG Set (4X400 kVA)	Acoustic enclosure/Stack	4	HSD	336 Ltr/Hr	S-5 to S-6	DG Set (2X315 kVA)	Acoustic enclosure/Stack	3.5	HSD	132 Ltr/Hr	S-7 to S-10	DG Set (4X200 kVA)	Acoustic enclosure/Stack	3	HSD	168 Ltr/Hr	S-11 to S-14	DG Set (4X160 kVA)	Acoustic enclosure/Stack	2.5	HSD	135 Ltr/Hr	S-15 to S-16	DG Set (2X140 kVA)	Acoustic enclosure/Stack	2.5	HSD	59 Ltr/Hr	S-17 to S-19	DG Set (2X125 kVA)	Acoustic enclosure/Stack	2.5	HSD	79 Ltr/Hr	S-20 to S-23	DG Set (4X100 kVA)	Acoustic enclosure/Stack	2	HSD	84 Ltr/Hr	S-24 to S-25	DG Set (2X92.5 kVA)	Acoustic enclosure/Stack	2.5	HSD	37 Ltr/Hr	S-26 to S-27	DG Set (2X82.5 kVA)	Acoustic enclosure/Stack	2	HSD	33 Ltr/Hr	S-28 to S-29	DG Set (2X70 kVA)	Acoustic enclosure/Stack	2	HSD	28 Ltr/Hr	S30	DG Set (2X140 kVA)	Acoustic enclosure/Stack	1.5	HSD	13 Ltr/Hr	PP will comply with the condition.		
Sr. no	Stack Attached to	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM																																																																							
S-1 to S-4	DG Set (4X400 kVA)	Acoustic enclosure/Stack	4	HSD	336 Ltr/Hr																																																																							
S-5 to S-6	DG Set (2X315 kVA)	Acoustic enclosure/Stack	3.5	HSD	132 Ltr/Hr																																																																							
S-7 to S-10	DG Set (4X200 kVA)	Acoustic enclosure/Stack	3	HSD	168 Ltr/Hr																																																																							
S-11 to S-14	DG Set (4X160 kVA)	Acoustic enclosure/Stack	2.5	HSD	135 Ltr/Hr																																																																							
S-15 to S-16	DG Set (2X140 kVA)	Acoustic enclosure/Stack	2.5	HSD	59 Ltr/Hr																																																																							
S-17 to S-19	DG Set (2X125 kVA)	Acoustic enclosure/Stack	2.5	HSD	79 Ltr/Hr																																																																							
S-20 to S-23	DG Set (4X100 kVA)	Acoustic enclosure/Stack	2	HSD	84 Ltr/Hr																																																																							
S-24 to S-25	DG Set (2X92.5 kVA)	Acoustic enclosure/Stack	2.5	HSD	37 Ltr/Hr																																																																							
S-26 to S-27	DG Set (2X82.5 kVA)	Acoustic enclosure/Stack	2	HSD	33 Ltr/Hr																																																																							
S-28 to S-29	DG Set (2X70 kVA)	Acoustic enclosure/Stack	2	HSD	28 Ltr/Hr																																																																							
S30	DG Set (2X140 kVA)	Acoustic enclosure/Stack	1.5	HSD	13 Ltr/Hr																																																																							

No	Condition	Compliance	☑	P			
2.	<p>The applicant should operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards</p> <table border="1" data-bbox="391 338 1057 373"> <tr> <td data-bbox="391 338 618 373">Particulate matter</td> <td data-bbox="618 338 837 373">Not to exceed</td> <td data-bbox="837 338 1057 373">150 mg/Nm<sup>3</sup></td> </tr> </table>	Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup>	PP agrees to comply with the condition. Result is within limit.		
Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup>					
3.	The Applicant should obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement alteration well before its life come to an end or erection of new pollution control equipment.	Noted by PP.					
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).	Noted by PP.					
5	Condition under utilities like kitchen, Eating, Places, Canteens: - a) The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.	PP will comply with the condition.					
	b) The toilet shall be provided with exhaust system connected to chimney through ducting.	PP will comply with the condition.					
	c) The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A)	PP will comply with the condition.					
	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.	PP will comply with the condition.					

**SCHEDULE-III**

No	Condition							Compliance	☑	P
	Details of Bank Guarantees									
1.	Sr No	Consent (C to E/O/R)	Amount BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date	PP will comply with the condition.		
	1	C to E	Rs.2500 000	15 Days	Towards compliance of EC & CTE conditions	31.07.2023	31.11.2023			



**SCHEDULE-IV**

No	Condition	Compliance	☑	P
	<b>General Conditions: - The Following general condition should apply as per the type of the industry.</b>			
1.	The applicant should 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 should pay to the Board for the services rendered in this behalf.	PP will comply with the condition.		
2.	The firm should strictly comply with water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and environmental protection Act, 1986 and solid Waste Management Rules, 2016 and E-Waste (Management) Rules, 2016, Noise (pollution and control) Rules, 2000 and E-Waste (Management & Handling Rule 2011)	Noted by PP.		
3.	Drainage system should provide for collection of sewage effluent. Terminal manholes should be provided at the end of the collection system with arrangement for measuring the flow. No sewage should be admitted in the pipes/sewers downstream of the terminal manholes. No sewage should find its way other than in designed and provided collection system.	Noted by PP.		
4.	Vehicles hired for bringing construction material to the site should be in good condition and should confirm to applicable air and noise emission standards and should be operated only during non-peak hours.	PP will comply with the condition.		

No	Condition	Compliance	☑	P
5.	<p>Conditions for D.G. Set.</p> <p>a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.</p> <p>b) Industry Should provide acoustic enclosure for control pf noise. The acoustic enclosure / acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss will be done at different points at 0.5 meters from acoustic enclosure/ room and then average.</p> <p>c) The industry should take adequate measures for control of noise level its own source within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6. A.m. to 10 p.m. and night time reckoned between 10 p.m. to 6 a.m.</p> <p>d) Industry should make efforts to bring noise down level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.</p> <p>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.</p> <p>f) D.G Set should be operated only in case of power failure.</p> <p>g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G set .</p> <p>h) The applicant should comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.</p>	PP will comply with the condition.		
6.	Solid waste - The applicant should provide onsite municipal solid waste processing system & should comply with Solid Waste Management Rules, 2016 & E-Waste (M) Rules, 2016.	PP will comply with the condition.		

No	Condition	Compliance	☑	P
7.	Affidavit undertaking in respect of no change in the status of consent conditions & compliance of the consent conditions the draft can be downloaded from the official website of the MPCB.	Noted by PP.		
8.	Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.	Being complied with.		
9.	The treated sewage shall be disinfected using suitable disinfection method.	PP will comply with the condition		
10.	The firm should submit to this office, the 30 <sup>th</sup> day of September every year, the environment statement report for the financial year ending 31 <sup>st</sup> march in the prescribed form- V as per the provisions of rule 14 of the Environmental (Protection) Second Amended rule 1992.	PP will comply with the condition.		
11	The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.	PP will comply with the condition		



# 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-NG05857-230415-SA-KDPL -PUNE	Date: 15.04.2023
ULR No.:	TC748723000005327F	

Name and Address of Customer	<b>KALEIDOSCOPE DEVELOPERS PVT. LTD., S. Nos. 125/5-201, 207, 208, Village Bhuguan, Tal. Mulshi Dist. Pune.</b>		WO No.: Verbal WO Date: -
Sample Description / Type	Ground water	Sample Collected by	Laboratory
Sampling Location	Surrounding Area	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	30.03.2023	Date of Receipt of Sample	31.03.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019, APHA 23 <sup>rd</sup> Ed. 2017, 1060-B, 1-40; 9060 A, 9-36		
Date of Start of Analysis	31.03.2023	Date of Completion of Analysis	14.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	<b>Discipline: Chemical Testing; Product Group: Water (Ground Water)</b>			
1.	Colour	Hazen	ROI (LOQ:1)	APHA 23 <sup>rd</sup> Ed. 2017, 2120-B, 2-6
2.	Odour	-	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2018
3.	Turbidity	NTU	0.7	APHA 23 <sup>rd</sup> Ed. 2017, 2130-B, 2-13
4.	pH	-	7.5	APHA 23 <sup>rd</sup> Ed. 2017, 4500-H-B, 4-95
5.	Total Dissolved Solids	mg/L	459	IS 3025 (Part 16):1984 RA 2017, Ed.2.1 (1999-12)
6.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	318	APHA 23 <sup>rd</sup> Ed. 2017, 2320-B, 2-36
7.	Total Hardness (as CaCO <sub>3</sub> )	mg/L	222	APHA 23 <sup>rd</sup> Ed. 2017, 2340-C, 2-48
8.	Chloride (as Cl)	mg/L	61.0	APHA 23 <sup>rd</sup> Ed. 2017, 4500-Cl-B,4-75
9.	Sulphate (as SO <sub>4</sub> )	mg/L	9.7	APHA 23 <sup>rd</sup> Ed. 2017, 4500- SO <sub>4</sub> -E, 4-199
10.	Nitrate (as NO <sub>3</sub> )	mg/L	3.77	APHA 23 <sup>rd</sup> Ed. 2017, 4500-NO <sub>3</sub> , B 4-127
11.	Calcium (as Ca)	mg/L	57.7	APHA 23 <sup>rd</sup> Ed. 2017, 3500-Ca-B, 3-69
12.	Magnesium (as Mg)	mg/L	19.0	APHA 23 <sup>rd</sup> Ed. 2017, 3500-Mg-B, 3-86
13.	Fluoride (as F)	mg/L	0.43	APHA 23 <sup>rd</sup> Ed. 2017, 4500-F-D, 4-90
14.	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	APHA 23 <sup>rd</sup> Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
15.	Anionic detergents as MBAS	mg/L	BQL (LOQ:0.1)	APHA 23 <sup>rd</sup> Ed. 2017, 5540-C, 5-55

Page 1 of 2  
QF/SALE/02  
Issue No 03  
Date 05.12.2019.  
Amd 01 Date  
24.12.2022

**Harish Mendhi**  
Technical Manager  
Chemical Testing

**Shital Lakhorkar**  
Group In-charge  
Biological Testing



TC-7487



# 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-NG05857-230415-SA-KDPL -PUNE	Date: 15.04.2023
ULR No.:	TC748723000005327F	

Sr. No.	Parameter	Unit	Result	Method Reference
16.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	BQL (LOQ:0.001)	APHA 23 <sup>rd</sup> Ed. 2017, 5530- B & C, 5-49, 5-50
	<b><u>Residues in water (Trace metal Element)</u></b>			
17.	Iron (as Fe)	mg/L	0.230	APHA 23 <sup>rd</sup> Ed. 2017, 3111-B, 3-20
18.	Manganese (as Mn)	mg/L	0.041	IS 3025(Part 2): 2019
19.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	IS 3025(Part 2): 2019
20.	Zinc (as Zn)	mg/L	0.072	IS 3025(Part 2): 2019
21.	Copper (as Cu)	mg/L	0.010	IS 3025(Part 2): 2019
22.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	IS 3025(Part 2): 2019
23.	Hexavalent Chromium (as Cr <sup>+6</sup> )	mg/L	BQL (LOQ:0.02)	APHA 23 <sup>rd</sup> Ed. 2017, 3500- Cr-B, 3-71
24.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	IS 3025(Part 2): 2019
25.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	APHA 23 <sup>rd</sup> Ed. 2017, 3112-B, 3-25
	<b><u>Discipline: Biological Testing;</u></b> <b><u>Product Group: Water</u></b> <b><u>(Ground water)</u></b>			
26.	Total Coliforms	MPN/ 100 mL	1.1	APHA 23 <sup>rd</sup> Ed. 2017, 9221-B, 9-69
27.	<i>Escherichia coli</i>	MPN/ 100 mL	Absent	APHA 23 <sup>rd</sup> Ed. 2017, 9221-B, E & G, 9-69, 9-77 & 9-80

## END OF REPORT

- Note:**
1. BQL: Below Quantification Limit.
  2. LOQ: Limit of Quantification.
  3. The result listed refers only to the tested sample(s) and applicable parameter(s).
  4. This report is not to be reproduced except in full, without the written approval of the laboratory.
  5. 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-NG05523-230404- -SA-KDPL-PUNE	Date: 04.04.2023
ULR No.:	TC748723000005012F	

Name and Address of Customer	KALEIDOSCOPE DEVELOPERS PVT. LTD., S. Nos. 125/5-201, 207, 208, Village Bhugoan, Tal. Mulshi Dist. Pune.	WO No.:	Verbal
		WO Date:	-
Sample Description / Type	Ambient Noise		
Date of Sampling	25.03.2023	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
	<b>Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Noise)</b>			
1	Project Site	09:10	53.2	51.5
		22:20	42.7	40.7

### 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 (6:00a.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 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**



REPORT-AA-05322

## TEST REPORT

Report No.:	ME-NG05522-230401- SA-KDPL-PUNE	Date: 01.04.2023
ULR No.:	TC748723000005011F	

Name and Address of Customer	<b>KALEIDOSCOPE DEVELOPERS PVT. LTD., S. Nos. 125/5-201, 207, 208, Village Bhugaoan, Tal. Mulshi Dist. Pune.</b>		WO No.: Verbal WO Date: -
Sample Description / Type	Ambient Air	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity / Packing	PM <sub>10</sub> : Filter Paper 1 X 1 No. PM <sub>2.5</sub> : Filter Paper 1 X 1 No. SO <sub>2</sub> :30 mL X 2 No. PVC Bottle NO <sub>2</sub> :30 mL X 2 No. PVC Bottle CO:2L X 1No. Gas Bladder
Date of Sampling	25.03.2023	Date of Receipt of Sample	27.03.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	28.03.2023	Date of Completion of Analysis	30.03.2023

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	<b><u>Discipline: Chemical Testing: Product Group: Atmospheric Pollution (Ambient Air)</u></b>				
1	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	10.8	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
2	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	13.4	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 <sub>10</sub>	µg/m <sup>3</sup>	46	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 <sub>2.5</sub>	µg/m <sup>3</sup>	17	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
5	Carbon Monoxide (CO)	mg/m <sup>3</sup>	0.93	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13, Page No. 16-22, (NDIR method)

**END OF REPORT**

Page 1 of 2  
QF/SALE/03  
Issue No 03  
Date 05.12.2019.  
Amd 02 Date  
24.12.2022

  
**Harish Mendhi**  
Technical Manager  
Chemical Testing



TC-7487



# Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHIIINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA

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



REPORT-AA-05522

## TEST REPORT

Report No.:	ME-NG05522-230401- SA-KDPL-PUNE	Date: 01.04.2023
ULR No.:	TC748723000005011F	

- Note:**
1. BQL: Below Quantification Limit.
  2. LOQ: Limit of Quantification.
  3. Duration of Sampling: 8h
  4. TWA: Time Weighted Average
  5. NAAQS: National Ambient Air Quality Standard
  6. #- NAAQS specified as: 24 h. TWA in case of SO<sub>2</sub>, NO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, 1 h. TWA in case of CO.
  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

*Harish Mendhi*

**Harish Mendhi**  
Technical Manager  
Chemical Testing



TC-7487





# 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-NG05856-230410-SA-KDPL-PUNE	Date: 10.04.2023
ULR No.:	TC748723000005326F	

Name and Address of Customer	<b>KALEIDOSCOPE DEVELOPERS PVT. LTD., S. Nos. 125/5-201, 207, 208, Village Bhuguan, Tal. Mulshi Dist. Pune.</b>		WO No.: Verbal WO Date: -
Sample Description / Type	Drinking Water	Sample Collected by	Laboratory
Sampling Location	Project Site	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	30.03.2023	Date of Receipt of Sample	31.03.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019, APHA 23 <sup>rd</sup> Ed. 2017. 1060-B. 1-40; 9060 A, 9-36		
Date of Start of Analysis	31.03.2023	Date of Completion of Analysis	08.04.2023

Sr. No.	Parameter	Unit	Result	#Limit	\$Limit	Method Reference
	<b><u>Discipline: Chemical</u></b> <b><u>Testing: Product</u></b> <b><u>Group: Water</u></b> <b><u>(Drinking Water)</u></b>					
1.	Colour	Hazen	BQL (LOQ:1)	5 Max.	15 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 2120-B, 2-6
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2018
3.	Turbidity	NTU	0.3	1 Max.	5 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 2130-B, 2-13
4.	pH	-	7.5	6.5 to 8.5	No relaxation	APHA 23 <sup>rd</sup> Ed. 2017, 4500-H-B, 4-95
5.	Total Dissolved Solids	mg/L	75	500 Max.	2000 Max.	IS 3025 (Part 16):1984 RA 2017, Ed.2.1 (1999-12)
6.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	46	200 Max.	600 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 2320-B, 2-36
7.	Total Hardness (as CaCO <sub>3</sub> )	mg/L	60	200 Max.	600 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 2340-C, 2-48
8.	Chloride (as Cl)	mg/L	9.0	250 Max.	1000 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 4500-Cl-B, 4-75
9.	Sulphate (as SO <sub>4</sub> )	mg/L	4.6	200 Max.	400 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 4500-SO <sub>4</sub> -E, 4-199
10.	Nitrate (as NO <sub>3</sub> )	mg/L	0.90	45 Max.	No relaxation	APHA 23 <sup>rd</sup> Ed. 2017, 4500-NO <sub>3</sub> , E 4-131

Page 1 of 3  
QF/SALE/02  
Issue No 03  
Date 05.12.2019.  
Amd 01 Date  
24.12.2022

**Harish Mendhi**  
Technical Manager  
Chemical Testing

**Shital Lakhorkar**  
Group In-charge  
Biological Testing



TC-7487



# 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**



REPORT ID: DW-05815

## TEST REPORT

Report No.:	ME-NG05856-230410-SA-KDPL-PUNE	Date: 10.04.2023
ULR No.:	TC748723000005326F	

Sr. No.	Parameter	Unit	Result	#Limit	\$Limit	Method Reference
11.	Calcium (as Ca)	mg/L	13.6	75 Max.	200 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 3500-Ca-B, 3-69
12.	Magnesium (as Mg)	mg/L	6.3	30 Max.	100 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 3500-Mg-B, 3-86
13.	Fluoride (as F)	mg/L	0.21	1 Max.	1.5 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 4500-F-D, 4-90
14.	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	0.05 Max.	No relaxation	APHA 23 <sup>rd</sup> Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
15.	Anionic detergents as MBAS	mg/L	BQL (LOQ:0.1)	0.2 Max.	1.0 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 5540-C, 5-55
16.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	BQL (LOQ:0.001)	0.001 Max.	0.002 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 5530- B & C, 5-49, 5-50
<b>Residues in water (Trace metal Element)</b>						
17.	Iron (as Fe)	mg/L	0.089	1.0 Max.	No relaxation	APHA 23 <sup>rd</sup> Ed. 2017, 3111-B, 3-20
18.	Manganese (as Mn)	mg/L	0.021	0.1 Max.	0.3 Max.	IS 3025(Part 2): 2019
19.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	0.01 Max.	No relaxation	IS 3025(Part 2): 2019
20.	Zinc (as Zn)	mg/L	0.064	5 Max.	15 Max.	IS 3025(Part 2): 2019
21.	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	0.05 Max.	1.5 Max.	IS 3025(Part 2): 2019
22.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	0.003 Max.	No relaxation	IS 3025(Part 2): 2019
23.	Hexavalent Chromium (as Cr <sup>+6</sup> )	mg/L	BQL (LOQ:0.02)	-		APHA 23 <sup>rd</sup> Ed. 2017, 3500- Cr-B, 3-71
24.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	0.01 Max.	0.05 Max.	IS 3025(Part 2): 2019
25.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001 Max.	No relaxation	APHA 23 <sup>rd</sup> Ed. 2017, 3112-B, 3-25
<b>Discipline: Biological Testing; Product Group: Water (Drinking water)</b>						
26.	Total Coliforms	/100mL	Absent	Shall not be detectable in any 100 mL Sample.		IS 15185:2016

**Harish Mendhi**  
Technical Manager  
Chemical Testing

**Shital Lakhorkar**  
Group In-charge  
Biological Testing



TC-7487



# 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**



REPORT: QW-05855

## TEST REPORT

Report No.:	ME-NG05856-230410-SA-KDPL-PUNE	Date: 10.04.2023
ULR No.:	TC748723000005326F	


Sr. No.	Parameter	Unit	Result	#Limit	\$Limit	Method Reference
27.	<i>Escherichia coli</i>	/100mL	Absent	Shall not be detectable in any 100 mL Sample.		IS 15185:2016

## END OF REPORT

- Note:**
1. BQL: Below Quantification Limit.
  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
  5. The result listed refers only to the tested sample(s) and applicable parameter(s).
  6. This report is not to be reproduced except in full, without the written approval of the laboratory.
  7. Any complaint pertaining to the report can be addressed to [mahabalreports@gmail.com](mailto:mahabalreports@gmail.com)

  
**Harish Mendhi**  
Technical Manager  
Chemical Testing



  
**Shital Lakhorkar**  
Group In-charge  
Biological Testing



**F. No. 21-52/2017-IA-III**  
Government of India  
Ministry of Environment, Forest and Climate Change  
(IA.III Section)

Indira Paryavaran Bhawan,  
Jor Bagh Road, New Delhi - 3

Date: 10<sup>th</sup> August, 2017

To,

**M/s Kaleidoscope Developers Pvt. Ltd,**  
Blue Ridge, Near Cognizant,  
Rajiv Gandhi Infotech Park Phase-I,  
Hinjewadi, Pune-411057.  
Email: nidhid@pscl.in

**Subject: "Kaleidoscope Township" an Integrated Township Project, Taluka: Mulshi, District: Pune by M/s Kaleidoscope Developers Pvt. Ltd - Environmental Clearance - reg.**

Sir,

This has reference to your online proposal No. IA/MH/NCP/63813/2017 dated 8<sup>th</sup> April, 2017 submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for grant of environmental clearance to the project '**Kaleidoscope Township an Integrated Township Project, Taluka: Mulshi, District: Pune Promoted by M/s Kaleidoscope Developers Pvt. Ltd**' was considered by the Expert Appraisal Committee (Infra-2) in its meeting held on 25<sup>th</sup> to 27<sup>th</sup> May, 2017. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting, are under:-

(i) The proposal is for development of an Integrated Township namely "Kaleidoscope Township" namely Kaleidoscope at S.No.125/5, 126/1,126/2,126/3,126/4,127/1,127/3,127/4,127/5,128/1,128/3,28/4,128/5,129/2,129/5,129/6,131/1,131/2,131/3,131/4,131/5,131/6,131/7,132/1,132/2,133/1,133/2,133/3,133/4,133/5,134/1,135/1,135/2,135/3,136/1,136/2,136/3,137/1+2,138/1,138/2,138/3,138/4,138/5,140,141/1,141/2,141/3,141/4,141/5,142/1,142/2,142/3,142/4,142/5,142/6,142/7,143,144/1/2A,144/1/2B,144/1/2C,144/1/2D,144/2,144/3a,145/1,145/2,145/3,145/4,145/5,146/1,146/2,146/3,146/4,146/5,146/6,147/1,147/2,147/3,148,149/1,149/2,150/1,150/2,150/3,150/4,150/5,150/6,150/7,151/1,151/2,151/3,152/1,152/2,153/1,153/2,154/1,154/2,154/3,154/4,154/5/1,154/5/2,154/5/3,154/6,154/7,154/8,154/9,154/10,154/11,154/12,154/13,154/14,154/15,155/1,155/2,155/3,155/4,155/5,155/6,155/7,156/1,156/2,156/3,156/4,156/5,156/6,156/7,156/8,157,159,188/2,197/1,197/2,197/3,197/4,197/5,197/6,197/7,197/8,197/9,197/10,197/11,197/12,197/13,197/14,197/15,197/16,197/17,197/18,197/19,197/20,197/21,197/22,197/23,197/24,197/25,197/26,197/27,197/28,197/29,197/30,197/31,197/32,198,199,200,201,207,208, Village: Bhugaon, Taluka: Mulshi, District: Pune -412115 .Proposed ByM/s Kaleidoscope Developers Pvt. Ltd.

(ii) Village: Bhugaon, Taluka: Mulshi, District: Pune -412115 .Promoted By M/s Kaleidoscope Developers Pvt. Ltd.

- (iii) Project is new and the total Plot area is 5,46,704 sqm while FSI area and Non FSI Area are 5,46,704 sqm and 6,43,635 sqm respectively. Total area under construction is 11,90,339 sqm. The tenement statement is as follows:

**No. of tenements:**

No.	Description	Total Tenents
<b>No</b>	<b>Description</b>	<b>Total Tenements</b>
A1	Semi-Luxury Towers (Replacing Villas)	1,690
A2	Affordable	1,152
A3	Semi-Luxury	1,352
A4	Luxury High Rise Apartments	1,183
A5	Residential Autistic Sector	200
A6	Retail Area (Affordable-A)	0
<b>A</b>	<b>Total Residential + Retail</b>	<b>5,577</b>
B1	Socail Housing-EWS+LIG	1,548
B2	Rental Hostel(Autistic)	15
B3	Autistic School	0
B4	School	0
B5	Town Hall	0
<b>B</b>	<b>Total Non-Residential</b>	<b>1,563</b>
<b>C</b>	<b>GRAND TOTAL (A+B)</b>	<b>7,140</b>

- (iv) Total population of the proposed project will be 7140 which include the population of residents, community and visitors.
- (v) During construction phase, total water requirement shall be 6276 KLD. Fresh water requirement of 3381 KLD will be supplied by Irrigation Department, Pune.
- (vi) Waste water generated shall be 4691 KLD for which STP Capacity of 4925 KLD m<sup>3</sup>/day. The MBBR Technology will be used to treat the wastewater from project site. About 469 kg/day sewage sludge will be generated. Total Recycled water shall be 2895KLD, Flushing Water Requirement -1831 KLD and R.G Water Required -1064KLD.
- (vii) Rooftop rainwater of buildings will be collected and 85 No. of RWH pits shall be provided for storm water recharging to ground.

*Kaw*

- (viii) The domestic solid waste will be generated by the occupants of the residents, visitors and people coming to community area will pertain to the two categories, Biodegradable waste shall be 9952 Kg/Day which will be treated in (organic waste converter) OWC and the manure will be used for landscaping at site. Non-biodegradable waste shall be 7051 Kg/Day and will be handed over to recyclers/vendors for further use.
- (ix) Energy will be conserved by energy efficient light fixtures, solar energy and energy efficient equipment's. The Maximum demand will be 13,125 kW and connected load is 43,130 kW.
- (x) Parking facility: Total four-wheelers parking provided will be 9923 nos. and for two-wheelers parking provided will be 23377 nos (according to MoEFCC and local norms).
- (xi) Area earmarked for greenbelt is 1,77,415 Sq.mts (20 % of Plot Area and 33% for others).
- (xii) There is no court case pending against the project.
- (xiii) Standard ToR was granted to the project by MoEF&CC vide letter No. 21-52/2017-IA-III dated 15.03.2017.
- (xiv) Cost of the project is Rs. 2566 Crores.
- (xv) Employment potential: Employment opportunities for skilled and unskilled workers will be provided within project area.
- (xvi) The Benefit of the project being a well-planned activity will result in organized open spaces and green areas. The biodiversity in the area will increase due to proposed green areas. Community cum recreational facilities will be developed hence no stress on the existing facility is anticipated.

3. The EAC, in its meeting held on 25<sup>th</sup> to 27<sup>th</sup> May, 2017, after detailed deliberations on the proposal, has recommended for grant of Environmental Clearance to the project. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project "**Kaleidoscope Township" an Integrated Township Project, Taluka: Mulshi, District: Pune Promoted by M/s Kaleidoscope Developers Pvt. Ltd,**' under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under:-

#### **PART A - SPECIFIC CONDITIONS:**

##### **I. Construction Phase**

- (i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- (ii) The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.

- (iii) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- (iv) All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- (v) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- (vi) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- (vii) Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- (viii) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- (ix) Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- (x) Sewage shall be treated in the STP based on Moving Bed Biofilm Reactor (MBBR) Technology. The treated effluent from STP shall be recycled/re-used for flushing, horticulture & DG cooling.
- (xi) The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. As proposed, Rainwater of buildings will be collected and 85 No. of RWH pits shall be provided for storm water recharging to ground after filtration as per CGWB guidelines.

- (xii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. As proposed, 4626.64 m<sup>2</sup> of space shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from group housing project will be sent to dumping site.
- (xiii) Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.
- (xiv) A First Aid Room shall be provided in the project both during construction and operations of the project.
- (xv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
- (xvi) Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (xvii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- (xviii) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xix) As proposed, no ground water shall be used during construction/ operation phase of the project.
- (xx) Approval of the CGWA require before any dewatering for basements.
- (xxi) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.
- (xxii) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (xxiii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- (xxiv) Ambient noise levels shall conform to residential standards both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
- (xxv) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials. Fly ash should be used as building material in the construction as



per the provision of Fly Ash Notification of September, 1999 and amended as on 27<sup>th</sup> August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.

- (xxvi) No ponds shall be infringed and used for landfill. The depression where land filling is proposed should be suitably certified that it is not a notified pond.
- (xxvii) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
- Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - Traffic calming measures
  - Proper design of entry and exit points.
  - Parking norms as per local regulation

## **II. Operational Phase**

- (i) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- (ii) For indoor air quality the ventilation provisions as per National Building Code of India.
- (iii) Fresh water requirement from Municipal Water Supply shall not exceed 3381 m<sup>3</sup>/day.
- (iv) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- (v) The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- (vi) No sewage or untreated effluent water would be discharged through storm water drains.
- (vii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
- (viii) The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- (ix) Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heaters shall be used to meet hot water demand, as far as possible.

- (x) Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TFL and LED shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
- (xi) A minimum of 1 tree for every 80 sq.mt. of land should be planted and maintained. The existing trees will be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of 3 trees for every 1 tree that is cut) shall be done and maintained.
- (xii) An environmental management plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.

#### **PART B - GENERAL CONDITIONS**

- (i) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
- (ii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.
- (iii) Officials from the Regional Office of MoEF&CC, Nagpur who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Nagpur.
- (iv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (v) The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (vi) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.



- (vii) These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.
- (viii) The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Nagpur.
- (ix) Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- (x) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
- (xi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xii) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
4. This issues with the approval of the Competent Authority.

  
(Kushal Vashist)  
Director

**Copy to:**

- 1) The Secretary, Department of Environment, Government of Uttar Pradesh, Lucknow.
- 2) The Addl. Principal Chief Conservator of Forests (C), Ministry of Environment, Forests and Climate Change, Kendriya Bhavan, 5<sup>th</sup> Floor, Sector-H, Aliganj, Lucknow-226024.
- 3) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 4) Member Secretary, Uttar Pradesh Pollution Control Board, Building. No. TC-12V,

- Vibhuti Khand, Gomti Nagar, Lucknow-226 010.
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
  - 6) Guard File/ Record File/ Notice Board.
  - 7) MoEF&CC Website.



**(Kushal Vashist)**  
**Director**



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEIAA Cell/CR-137/2018 .  
Environment Department,  
217(Annex), Mantralaya,  
Mumbai- 400 032.  
Date: 30.11.2018.

To,  
M/s Kaleidoscope Developers Pvt. Ltd.,  
2<sup>nd</sup> Floor, Gangadhar Chambers, 314,  
Narayan Peth, Pune-411030

Sub.: Amendment in EC granted to M/s Kaleidoscope Developers Pvt. Ltd. for  
"Kaleidoscope" Township Project at Village-Bhugaon, Tal. Mulshi, Dist. Pune

Ref.:- 1. Your letter dt. 11.10.2018.  
2. Commencement Certificate issued by PMRDA vide no. BMU/Mow.Bhugaon/G.n  
125/5,126/2 & ors./P.K.1835/17-18 dt. 20.11.2018.  
3. EC granted by MoEF&CC vide F. No. 21-52/2017-IA-III dt. 10.08.2017.  
4. Minutes of 143<sup>rd</sup> meeting of SEIAA held on 19.10.2018.

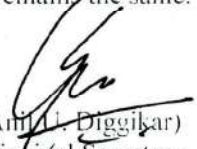
Sir,

This office is in receipt of your letter vide above ref.(1) requesting amendment in The  
Environmental Clearance Letter issued vide above ref.(3). The matter was considered in 143<sup>rd</sup> meeting  
of SEIAA held on 19.10.2018 wherein following decision was taken:

- *PP has submitted their proposal for amendment in Environment Clearance.*
  - *Authority noted that, the proposed project is a **Integrated Township Development** at village Bhugaon, Mulshi Pune. The project has received an Environment Clearance from Ministry of Environment, Forest and Climate Change (MoEF&CC), GoI vide **Dated 10<sup>th</sup> August 2017** Authority also noted that, the area proposed for Integrated Township has a Plot area of 5,46,704 m<sup>2</sup> having Construction Built Area 11,90,339 m<sup>2</sup> with FSI 5,46,704 m<sup>2</sup> and 6,43,635 m<sup>2</sup> for 63 buildings of various configuration.*
  - *PP stated that, they have submitted an application for amendment in environment clearance for minor change in the location of some buildings & proposed Police Housing Scheme within project under social housing. This will provide housing for Maharashtra Police at low cost.*
  - *PP further stated that, there is no change in Total Plot area, Total FSI, Total Non-FSI. Total construction Built-up Area, No. of tenements. And also there is no change in Environment Infrastructure i.e. Water, wastewater and solid waste management facilities.*
  - *PP further informed that, there is no construction work started at site.*
- Considering above points, after detail deliberation **Authority decided to grant amendment in Environment Clearance** subject to conditions mentioned in the Earlier EC.*

In view of above, the EC granted vide above ref.(3) is amended as per the revised layout /CC approved vide the letter issued by PMRDA vide no. BMU/Mow.Bhugaon/G.n.125/5,126/2 & ors./ P.K.1835/17-18 dt. 20.11.2018.

Terms and conditions in the EC letter granted vide above ref.(3) dt. 10.08.2018 remains the same.

  
(Anil Diggikar)  
Principal Secretary  
& Member Secretary, SEIAA

# MAHARASHTRA POLLUTION CONTROL BOARD

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



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

No:- Format1.0/CAC-CELL/UAN No.0000053770/CE - 2005000238

Date: 08/05/2020

To,  
M/s Kaleidoscope Developers Pvt Ltd., S.  
Nos. 125/5-201, 207, 208, Village  
Bhugoan, Tal. Mulshi, Dist. Pune.

**Sub: grant of Consent to Establish for proposed development "Kaleidoscope - integrated township project" under Red Category**

- Ref:**
1. Environment Clearance accorded by MoEF&CC, GoI vide F.No. 21-52/2017-IA-III dtd. 10/08/2017.
  2. Minutes of Consent Appraisal Committee meeting held on 22/10/2019.

Your application NO. MPCB-CONSENT-0000053770

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 upto 31-07-2023 whichever is earlier.**
2. **The capital investment of the project is Rs.2566 Crs. (As per undertaking submitted by pp).**
3. **The Consent to Establish is valid for proposed development "Kaleidoscope - integrated township project" of M/s Kaleidoscope Developers Pvt Ltd. at plot bearing S. Nos. 125/5-201, 207, 208, Village Bhugoan, Tal. Mulshi, Dist. Pune on total plot area 5,46,704 sq. mtrs. for total construction BUA 11,90,339 sq. mtrs. as per Environment Clearance granted dated 10/08/2017 and construction permission issued by Local Body including utilities and services.**
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
2.	Domestic effluent	4691	As per Schedule - I	100% recycled for secondary purposes and remaining shall be utilized on land for gardening/ for construction purpose

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

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
S-1 to S-30	DG Sets (4x400, 2x315, 4x200, 4x160, 2x140, 3x125, 4x100, 2x92.5, 5x82.5, 2x70 & 62.5 KVA)	30	As per Schedule -II

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

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Biodegradable waste	9952 Kg/Day	OWC followed by composting	Used as Manure
2	Non Biodegradable waste	7051 Kg/Day	Segregation/ Recycle	Auth. vendor/ Local Body
3	STP sludge	469 Kg/Day	Dewatering	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
1	5.1 Used or spent oil	500 Ltr/A	Recycle	Sale to Auth. Party/ Recycler/ Re-processor

- 8 This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- 9 This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
- 10 PP shall submit an undertaking in prescribed format regarding compliance of conditions of EC and Consent to Establish condition.
- 11 PP shall submit an undertaking regarding the area for which expansion of C to E application is made is included in Environment Clearance.
- 12 PP shall provide adequate capacity of sewage treatment plant so as to achieve treated domestic effluent standard for the parameter BOD- 10 mg/lit.
- 13 The treated effluent shall be 100% recycled for secondary purposes such as toilet flushing, air- conditioning, cooling tower make up, fire-fighting etc. and remaining shall be utilized on land for gardening with water metering system. No sewage shall be discharged in any water course.
- 14 PP shall install organic waste digester along with composting facility/biodigester (biogas) with composting facility for the treatment of wet garbage.
- 15 PP shall submit BG of Rs. 25 Lakhs towards compliance of EC and consent to establish condition.

For and on behalf of the  
Maharashtra Pollution Control Board.

(E. Ravendiran IAS),  
Member Secretary

**Received Consent fee of -**

<b>Sr.No</b>	<b>Amount(Rs.)</b>	<b>Transaction/DR.No.</b>	<b>Date</b>	<b>Transaction Type</b>
1	5132000.00	7613134	15/10/2018	RTGS

**Copy to:**

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune II  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC-CAC Desk- for record & website updating purpose





### 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 **4925 CMD for treatment of domestic effluent of 4691 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.

<b>Sr. No.</b>	<b>Parameters</b>	<b>Standards prescribed by Board</b>
		Limiting Concentration in mg/l, except for pH
1.	BOD (3 days 27o C)	10
2.	Suspended Solids	20
3.	COD	50
4.	Residual Chlorine	1ppm

C] The treated domestic effluent shall be 100% recycled for secondary purposes such as toilet flushing, air- conditioning, cooling tower make up, fire-fighting, for construction activity etc. and remaining shall be utilized on land for gardening with water metering system. In no case, effluent shall find its way outside Project's premise.

- 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.**

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	5212.00
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-**

<b>Stack No.</b>	<b>Stack Attached To</b>	<b>APC System</b>	<b>Height in Mtrs.</b>	<b>Type of Fuel</b>	<b>Quantity &amp; UoM</b>
S-1 to S-4	DG Sets (4x400 KVA)	Acoustic Enclosure/ Stack	4	HSD	336 Ltr/Hr
S-5 & S-6	DG Sets (2x315 KVA)	Acoustic Enclosure/ Stack	3.5	HSD	132 Ltr/Hr
S-7 to S-10	DG Sets (4x200 KVA)	Acoustic Enclosure/ Stack	3	HSD	168 Ltr/Hr
S-11 to S-14	DG Sets (4x160 KVA)	Acoustic Enclosure/ Stack	2.5	HSD	135 Ltr/Hr
S-15 & S-16	DG Sets (2x140 KVA)	Acoustic Enclosure/ Stack	2.5	HSD	59 Ltr/Hr
S-17 to S-19	DG Sets (3x125 KVA)	Acoustic Enclosure/ Stack	2.5	HSD	79 Ltr/Hr
S-20 to S-23	DG Sets (4x100 KVA)	Acoustic Enclosure/ Stack	2	HSD	84 Ltr/Hr
S-24 & S-25	DG Sets (2x92.5 KVA)	Acoustic Enclosure/ Stack	2	HSD	37 Ltr/Hr
S-26 & S-27	DG Sets (2x82.5 KVA)	Acoustic Enclosure/ Stack	2	HSD	33 Ltr/Hr
S-28 & S-29	DG Sets (2x70 KVA)	Acoustic Enclosure/ Stack	2	HSD	28 Ltr/Hr
S-30	DG Sets (62.5 KVA)	Acoustic Enclosure/ Stack	1.5	HSD	13 Ltr/Hr

- 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 <sup>3</sup>
-------------------------	---------------	------------------------

- 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).

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.



**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	C2E	2500000	Within 15 days	Towards compliance of the Environmental Clearance & Consent to Establish conditions	31.07.2023	30.11.2023

\*\* 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						




## **SCHEDULE-IV**

### **Conditions during construction phase**

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

