

**Re: Six Monthly Compliance Report for period July 2022 to December 2022 for project \_M/s. Vilas Javdekar & Sanjeevani Developers LLP.**

Ace Enviroment <info@aceenvironment.in>

Mon 02/01/2023 18:40

To: EC Compliance Maharashtra <ecompliance-mh@gov.in>

Bcc: Ketakee Devdhar <ketakee.devdhar@javdekars.com>;prajakta.khamkar@javdekars.com  
<prajakta.khamkar@javdekars.com>;kiran.khamkar@javdekars.com <kiran.khamkar@javdekars.com>

Kindly Ignore previous mail and consider this one.

Dear Sir/Madam

Please find the Post EC Compliance Report attached herewith for Period of July 2022 to December 2022 of 'Yashwin Jeevan' Residential and Commercial project proposed on plot bearing Survey No. 23/3+24/1A+24/1B village Sus, Dist Pune' Maharashtra by M/s. Vilas Javdekar & Sanjeevani Developers LLP., with reference to Environmental Clearance Letter No. SEAC-III-2015/CR-89/TC-3 dated 26.08.2016.

Hope this is in line with your requirement.

Thanking you

Yours Sincere

M/s. Vilas Javdekar & Sanjeevani Developers LLP.

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**From:** Ace Enviroment

**Sent:** 02 January 2023 18:35

**To:** EC Compliance Maharashtra <ecompliance-mh@gov.in>

**Subject:** Six Monthly Compliance Report for period July 2022 to December 2022 for project \_M/s. Vilas Javdekar Eco Homes.

Dear Sir/Madam

Please find the Post EC Compliance Report attached herewith for Period of July 2022 to December 2022 of 'Yashwin Jeevan' Residential and Commercial project proposed on plot bearing Survey No. 23/3+24/1A+24/1B village Sus, Dist Pune' Maharashtra by M/s. Vilas Javdekar Eco Homes., with reference to Environmental Clearance Letter No. SEAC-III-2015/CR-89/TC-3 dated 26.08.2016.

Hope this is in line with your requirement.

Thanking you

Yours Sincere

M/s. Vilas Javdekar Eco Homes.

Date : 28/12/2022

To,  
Ministry of Environment and Forest & Climate Change  
Regional Office (WCZ), Ground Floor,  
East Wing, New Secretariat Building, Civil Line,  
Nagpur- 440001

**Subject:** Post EC Compliance Report for Period of July 2022 to December 2022 of Residential Construction Project "Yashwin Jeevan" formerly "Orchid" at Survey. No. 23/3+24/1A+24/1B, Village-Sus, Taluka: Mulshi, Dist. Pune by M/s. Vilas Javdekar & Sanjeevani Developers LLP.

**Ref.:** Environmental Clearance No. SEAC-III-2015/CR-89/TC-3 dated – 26<sup>th</sup> August, 2016.

Dear Sir,

This is in reference to the requirement stated in the Environmental Clearance No. SEAC-III-2015/CR-89/TC-3 dated – 26<sup>th</sup> August, 2016 for our above mentioned Housing Project Yashwin Jeevan formerly 'Orchid' located at Survey. No. 23/3+24/1A+24/1b, Village - Sus, Taluka: Mulshi, Dist. Pune, Maharashtra by M/s. Vilas Javdekar & Sanjeevani Developers LLP.

In accordance to your requirement please find enclosed herewith following documents for post EC for the subject project for your kind reference:

1. Compliance report
2. Environment Clearance Letter
3. Budgetary provision for EMP
4. Consent to Establish Copy
5. Consent to Operate Copy
6. Advertisement Copy
7. Monitoring Reports

Hope you will find the above in line with your requirement.

Thanking you,

Yours Sincerely,

*K. Javdekar*  
10/1

For, M/s Vilas Javdekar & Sanjeevani Developers LLP

Authorized Signatory

CC to:

1. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup>& 4<sup>th</sup> floor, Opp. Cine Planet, Sion Circle, Mumbai- 400022, India
2. The Environmental Secretary, Room No. 217, 2<sup>nd</sup> floor, Environment Department, Govt. of Maharashtra Mantralaya, Mumbai- 400 032



*R. Javdekar*  
02-01-2023  
**Maharashtra Pollution Control Board**  
Kalpataru Point, 2nd Floor, Sion Circle,  
Opp. Cine Planet, Sion (East),  
Mumbai - 400 022.  
Tel. 24010437 / 24020781.  
Website : www.mpcb.gov.in

**Vilas Javdekar & Sanjeevani Developers LLP**

306, Siddharth Towers, Sangam Press Road, Kothrud, Pune 411 038 INDIA

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**SIX MONTH COMPLIANCE REPORT**

**OF**

**RESIDENTIAL PROJECT**

**“YASHWIN JEEVAN”**

formerly named "Orchid"

**AT**

Survey No. 23/3+24/1A+24/1B village Sus,

Dist. Pune, Maharashtra

**OF**

**M/s. Vilas Javdekar & Sanjeevani Developers LLP**

**FOR**

**JULY 2022 TO DECEMBER 2022**

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## Section1: Purpose of the Report

As per the ‘Sub Para (i)’ of ‘Para 10’ of EIA Notification 2006 and Condition mentioned in general conditions point no, L & LIII of Environmental Clearance (EC) letter dated 26th August,2016 (**Annexure 2**), it is mandatory to submit six monthly compliance report to show the status & compliance of all the conditions mentioned in EC letter, along with monitoring of various environmental parameters. Therefore, based on specific and general conditions mentioned in EC letter detail compliance report is prepared.

## Section 2 : Project Details

M/s. Vilas Javdekar Eco Homes is proposing residential project ‘Orchid’ at Survey No. 23/3+24/1A+24/1B village Sus, Dist. Pune, Maharashtra. Project is designed as self-sufficient establishment wherein infrastructure facilities such as water supply, power supply and communication facilities are proposed. Further the project proponent has made provision for solid waste collection and disposal, rain water harvesting and sewage treatment plant to ensure that project is environment friendly. The project proponent also proposes arrangement for safety, maintenance and security of residents. The main features of the project are as follows.

1.	Clearance letter (s)/OM no. and date	:	SEAC-III-2015/CR-89/TC-3 dated 26th August 2016
2.	Location	:	Survey. No. 23/3+24/1A+24/1B , village Sus, Dist.Pune, Maharashtra.
3.	(a) Address for correspondence		306, Siddharth Towers, Sangam Press Road, Kothrud, Pune - 411 038.
	(b) Address of Executive Project Engineer/ Manager (with pin code / Fax)	:	<b>Mr. Amit Balkawade</b> Designation : Project Engineer M/s. Vilas Javdekar Eco Homes Address: 306, Siddharth Towers, Sangam Press Road, Kothrud, Pune - 411 038. Telephone No. : + 91 8888682682 E-mail : amit.balkawade@javdekars.com
4.	Salient Features		
	Total Plot Area (As per DC)	:	10,600 m <sup>2</sup>
	Net Plot Area	:	8,591.65 m <sup>2</sup>
	Construction BUA (FSI + Non FSI)	:	23,344.72 m <sup>2</sup>

	No. of buildings	Total Nos. of Buildings = 4 Nos. Building A & B - P+10 Floors Building C & D - P+9 Floors Commercial : NA Society Hall : G+1
	No. of Tenants & Shops	227 Nos. of tenements
	Expected No. of residents/users	Total : 1135 nos.
	Domestic Water Requirement	232 m <sup>3</sup> /day
	Recycled Water Requirement (For Flushing & Landscaping)	Flushing: 51 m <sup>3</sup> /day Landscaping: 22 m <sup>3</sup> /day
	Sewage Generation	138 m <sup>3</sup> /day
	No. & Capacity of STP	145 m <sup>3</sup> /day
	Solid Waste Generation	Non Bio-degradable Waste : 199 kg/day Bio-degradable Waste : 324 kg/day STP Sludge : 36 kg/day
	Energy Demand	Maximum Demand: 1214.16 KW Connected Load : 1517.70 KW
5.	Breakup of the project area	
	(a) Submergence area: forest & non forest	Nil
	(b) Others	The entire project area is non-agricultural land.
6.	Breakup of the project affected population with enumeration of those losing houses /dwelling units only, agricultural land only, dwelling units & agricultural land & landless labourers /artisan.	The Proposed Project is located at the vacant land only clearing of small sized vegetation. Therefore, no population was dislocated or affected due to proposed Project.
	(a) SC, ST /Adivasis	Nil
	(b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and years of survey)	Nil

<b>7.</b>	<b>Financial details</b>	
	(a) Project cost as originally planned and sub-sequent revised estimates and the year of price reference.	Project cost (Planned): Rs. 36 Crores (Approx)
	(b) Allocation made for environmental management plans with item wise and year wise break-up.	Attached As <b>Annexure – 3</b>
	(c) Benefit cost ratio/Internal rate of Return and the year of assessment	Yet to finalise.
	(d) Whether (c) include the cost of environmental management as shown in the above.	Not applicable since (c) is yet to finalise.
	(e) Actual expenditure incurred on the project so far	Rs. 36 Crs.
	(f) Actual expenditure incurred on the environmental management plans so far	Rs. 193.41 Lakhs.
<b>8.</b>	Forest land requirement.	There is no forest land involved.
	(a) The status of approval for diversion of forest land for non-forestry use	Not applicable.
	(b) The status of clearing felling	Not applicable.
	(c) The status of compensatory afforestation, if any	Not applicable.
	(d) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far	Not applicable.
<b>9.</b>	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information	Trees to be retained - 26 Nos. No. of trees proposed - 205 Nos.
<b>10.</b>	Status of construction	As attached.
	b) Date of completion (Actual and/or planned)	26.03.2018
<b>11.</b>	Reason for the delay if the project is yet to start.	Not applicable

12.	Dates of site visits	
	(a) The dates on which the project was monitored by the Regional Office on previous occasions, if any	Nil
	(b) Date of site visit for this monitoring report	-
13.	<p>Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits.</p> <p>(The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently.</p>	<p><b>Letter issued by MoEF:</b>  <b>EC No :</b> SEAC-III-2015/CR-89/TC-3 dated 26th August 2016</p> <p><b>CTE :</b> Format 1.0/BO/RO-HQ/CE/CC-1701002091 dated 30.01.2017  Attached as <b>Annexure 4</b></p> <p><b>CTO :</b> Format 1.0/BO/JD(WPC)/UAN - 082713/AUTO RENEWAL/CC-2001002145 dated 31.01.2020  Attached as <b>Annexure 5</b></p>

### Section 3: Present Site Conditions

Sr. No.	Building Component	Current status of Work
1	Building - A & B	100% Completed
2	Building - C & D	100% Completed

### Section 4: Post Environment Clearance Compliance Report

The proposal has been considered by SEIAA in its 102<sup>nd</sup> meeting decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subjected to implementation of the following terms and conditions:

Sr. No	EC Conditions	Compliance Status
<b>General Conditions for Pre-construction phase:-</b>		
(i)	This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. Issued if any. Judgment/orders issued	Condition is noted.



	by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.	
(ii)	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules,2016	Condition is noted.
(iii)	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after physically ensuring the existence of sustained water availability, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms and O.M. dated 19.06.2013	Condition is noted.
(iv)	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.	Not applicable, as project land does not come under forest reservation.
(v)	PP has to abide by the conditions stipulated by SEAC & SEIAA.	We will abide by the conditions stipulated by SEAC & SEIAA.
(vi)	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/F AR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	The height, Construction built up area of proposed construction is in accordance with the existing FSI/FAR norms of the urban local body. Proposed project is in the residential zone as per the approved development plan of the area.
(vii)	"Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and	Consent to establish from MPCB has been obtained.

	Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.	Copy is attached as <b>Annexure-4</b>
(viii)	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Noted. Mobile toilets had been constructed on site to ensure sanitary and hygienic conditions and its maintenance was carried out by a dedicated team.

<b>General Conditions for Construction Phase-</b>		
(i)	Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.	Noted and complied.
(ii)	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Drinking water was provisioned at site.
(iii)	The solid waste generated should be properly collected and segregated dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	The solid waste was segregated and recyclable material was sold to recyclers and inert material was used for site leveling.
(iv)	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	All construction waste was collected and segregated properly at site and most of it has been reused for construction activity.
(v)	Arrangement shall be made that waste water and storm water do not get mixed.	Waste water is treated in STP & excess treated water is Connected to Municipal sewer drain. Maximum storm water is recharged through recharge pits and excess

		storm water is drained through municipal storm water line. Hence, we ensure that waste water and storm water will not get mixed.
(vi)	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	We had used top soil for landscape development.
(vii)	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	Construction debris was used for base preparation of the road and for site leveling.
(viii)	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept.	Noted. Plantation plan is in accordance with CPCB guidelines.
(ix)	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Soil and ground water samples are tested. No toxic contaminants are found. Monitoring report is attached.
(x)	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.	Noted. No bituminous material was used in construction.
(xi)	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Noted and complied.
(xii)	The diesel generator sets to be used during construction phase should be low Sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise standards	The DG used for construction was low sulphur diesel type and the same was maintained regularly by their authorized agency.
(xiii)	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	Diesel storage on site is within the permissible limits.
(xiv)	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and	Pollution checks and undertakings from various vendors were obtained.

	should be operated only during non-peak hours.	
(xv)	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	The ambient noise levels during day and night was tested and the same was within permissible limits.
(xvi)	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).	Fly ash has been used as a building material in following ways: 1. AAC blocks 2. Loose Fly ash
(xvii)	Ready mixed concrete must be used in building construction.	Ready mixed concrete has been used in the building.
(xviii)	The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment's etc. as per National Building Code including measures from lighting.	Condition is noted.
(xxix)	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Noted and complied.
(xx)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Water demand is reduced by: 1. Water reducing admixture in concrete 2. Ready mix plaster containing curing chemical.
(xxi)	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Ground water quality has been monitored and tested.
(xxii)	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation.	STP is provided on site. Treated sewage is used for flushing and gardening.

	Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/ refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odor problem from STP.	
(xxiii)	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.	Condition is noted.
(xxiv)	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	Dual plumbing provided within buildings.
(xxv)	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	We are using low flow fixtures in toilets to minimize wastage of water.
(xxvi)	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Since the project is residential building and the area of glass is only approximately 17% of built-up area, the electricity consumption is anyways less.
(xxvii)	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Roof top thermal insulation paint will be applied either by Jotun/Asian or eq. make.
(xxviii)	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels maybe done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as	(i) All outdoor lighting is either CFL/LED. (ii) Solar water heater systems are installed.

	source of energy.	
(xxix)	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act. 1986, The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	The diesel generator sets are provided which conform to the rules made under the Environment (Protection) Act. 1986.
(xxx)	Noise should be controlled by 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.	Noise level testing is done during day and night and test report is obtained which indicates that the values are within permissible limits
(xxxii)	Traffic congestion near the entry and exit points from the roads adjoining the proposed project Site must be avoided. Parking should be fully internalized and no public space should be utilized.	Parking is fully internalized. No public space is utilized.
(xxxiii)	Opaque wall should meet prescriptive requirement as per energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Noted.
(xxxiiii)	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Provided As per DC rules.
(xxxv)	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Site engineers supervise proper implementation at site.
(xxxvi)	Under the provisions of Environment (Protection) Act, 1986, Legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Environment Clearance letter is obtained herewith.

(xxxvi)	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	Complied with.
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<b>General Conditions for Post- construction/operation phase-</b>		
(i)	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	Noted and was complied.
(ii)	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.	OWC is provided in the premises for the treatment of wet waste.
(iii)	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Noted.
(iv)	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Noted.
(v)	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Noted.
(vi)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Separate environment management cell and EMP Account is formed by registration of society.
(vii)	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	Noted.
(viii)	The project management shall advertise at least in Two	Advertisement is published in

	local newspapers widely, circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>	Marathi & English newspaper. Copy is attached as <b>Annexure-6</b> .
(ix)	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soil copies to the MPCB & this department on 1 <sup>st</sup> June & 1 <sup>st</sup> December of each calendar year.	Complied.
(x)	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations. If any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	A copy of environment clearance letter has been submitted to PMRDA.
(xi)	The proponent shall upload the Status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical 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.	Condition is Noted.
(xii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF the respective Zonal Office of CPCB and the SPCB.	Six monthly reports have been submitted to concerned Government offices.
(xiii)	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended	We will submit form V for each financial year.



	subsequently shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	
4	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him. If any or action initiated under EP Act.	Condition is noted.
5	In case of submission of false document and non-compliance of stipulated conditions. Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act. I 986,	Condition is noted.
6	The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	Condition is noted.
7	<b>Validity of Environment Clearance:</b> The environmental clearance accorded shall be valid for a period of 7 years as per MoEF and CC notification dated 29 <sup>th</sup> April, 2015.	Condition is noted.
8	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.	Condition is noted.
9	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act. 1974, the Air (Prevention and Control of Pollution) Act. 1981. The Environment (Protection) Act. 1986 and rules there under. Hazardous Wastes (Management and Handling) Rules. 1989 and its amendments, the public liability Insurance Act, 1991 and its amendments.	Condition is noted.

10	Any appeal against this environmental clearance shall lie with the National Green Tribunal, Van Vigyanbhawan, Sec-5 R.K Puram, New Delhi-110 022, if preferred within 30days as prescribed under section 35 of the National Green Tribunal Act 2010.	Condition is noted.
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### Section 5: Monitoring and Analysis

Monitoring of Air quality, Water quality, Soil quality, Noise level and DG set stack emissions at construction site. Monitoring was done and samples were collected as per standard norms. All samples were analyzed in NABL accredited laboratory. The details of sampling parameters were given in following table.

Sr. No.	Environmental Components	Monitoring Parameters
1	Air	PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>2</sub> , O <sub>3</sub> , Pb, CO, NH <sub>3</sub> , C <sub>6</sub> H <sub>6</sub> , Benzo (a) Pyrene – Particulate Phase only, As, Ni
2	Water	Colour, Odour, Turbidity, pH, TDS, Total Alkalinity, Total Hardness, Ca, Mg, Cl <sup>-</sup> , SO <sub>4</sub> , NO <sub>3</sub> , Fe, Mn, F, Pb, Cu, Zn, Cr <sup>6+</sup> , As, B, Residual Chlorine, Al, Cd, Se, Hg, Pesticides, Mineral Oil
3	Noise	Leq
4	Soil	pH, Electrical Conductivity , Total Nitrogen as N, Phosphate as P, Potasium as K, Exchangeable Calcium as Ca, Exchangeable Magnesium as Mg, Exchangeable Sodium as Na , Organic Matter, Texture

Monitoring results are attached as **Annexure 7** which indicates that parameters of all environmental components are within standard limit and there is no pollution at site.

**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY**

SEAC-III-2015/CR-89/TC-3  
Environment department,  
Room No. 217, 2<sup>nd</sup> floor,  
Mantralaya Annexe,  
Mumbai- 400 032,  
Date: 27<sup>th</sup> August, 2016.

To,  
M/s Sanjeevani Developers  
101 Sujal Apartments, DP Road,  
Near Mhatre Bridge, Patwardhan Baug,  
Pune

Subject: Environment clearance for proposed residential project "Orchid" at S.No 23/3-24/1A+24/1B, Village- Sus, Distt. Pune by M/s Sanjeevani Developers.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-III, Maharashtra in its 44<sup>th</sup> meeting and recommend the project for prior environmental clearance to SELAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 102<sup>nd</sup> meeting.

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

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

1.	Name of Project	Residential construction project "Orchid"
2.	Project Proponent	•M/s. Sanjeevani Developers 101 Sujal Apartments, DP Road, Near Mhatre Bridge, Patwardhan Baug, Pune. • Email ID: nittentsahajan@yahoo.com
3.	Consultant	Oasis Environmental Foundation • Email ID: oasisenv@vsnl.com
4.	Accreditation of consultant (NABET Accreditation)	OCI NABET Accredited
5.	Type of project: Housing project/Industrial Estate/ SRA scheme/MILADA/ Township or others	Housing Project – Residential Construction Project
6.	Location of the Project	S.No. 23/3 + 24/1A + 24/1B Sus, Taluka : Mulshi, Dist:Pune
7.	Whether in Corporation /Municipal/other area	Town planning (PMREDA)

8.	Applicability of the DCR	Yes
9.	JOE/IOA/Concession document or any other form of document as applicable (Clarifying its conformity with local planning rules & provision)	In Process
10.	Note on the initiated work (If applicable)	Total constructed work (FSI- Non FSI): RCC of society hall Date and area details in the necessary approvals issued by the competent authority (attach scan copies): NA
11.	LOI/NOC from MHADA /Other approvals (if applicable)	NA
12.	Total Plot Area (sq. m.) Deductions Net Plot area	Plot Area – 10,600.00 m <sup>2</sup> Deductions – 2008.35 m <sup>2</sup> Net Plot Area- 8591.65 m <sup>2</sup>
13.	Permissible FSI (including TDR etc.)	12,713.90 m <sup>2</sup>
14.	Proposed Built-up Area (FSI & Non-FSI)	• FSI area (m <sup>2</sup> ) : 12,707.26 • Non FSI area (m <sup>2</sup> ) : 10,637.46 • Total BUA area (m <sup>2</sup> ) : 23,344.72
15.	Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.41 % (2568 m <sup>2</sup> )
16.	Estimated Cost of the Project	36 Cr
17.	No. of building & its configuration(s)	1. Residential: 4 Residential Buildings A & B: P+10, C & D: P+9 2. Commercial: NA 3. Society Hall: G+ 1
18.	Number of tenants and shops	227 Nos. of Tenements
19.	Number of expected residents /users	Residential: 1135 nos. Commercial: NA Total: 1135
20.	Tenant density per hectare	250 Ten/ha as per DCR.
21.	Height of the building(s)	A & B : 31.90 m C & D : 29.00 m
22.	Right of way (Width of the road from the nearest fire station to the proposed building(s))	24 m
23.	Turning radius for	9.00 m

	easy access of fire tender movement from all around the building excluding the width for the plantation										
24	Existing structure(s)	RCC of society hall									
25	Details of the demolition with disposal (if applicable)	NA									
26	Total Water Requirement	<p>Residential and Commercial:</p> <p>Dry season:</p> <p>Source: Sus Grampanchayat</p> <ul style="list-style-type: none"> <li>• Freshwater: 102 KL.</li> <li>• Recycled water (Flushing): 51KL.</li> <li>• Recycled water (Gardening): 22 KL</li> <li>• HVAC Makeup: NA</li> <li>• Total Water Requirement: 175 KL</li> <li>• Excess treated water: 65 KL</li> <li>• Swimming Pool: 5 KL.</li> <li>• Firefighting (Cum): 200 KL (one time)</li> </ul> <p>Wet Season:</p> <ul style="list-style-type: none"> <li>• Freshwater: 102 KL</li> <li>• Recycled water (Flushing): 51 KL</li> <li>• Recycled water (Gardening): Nil</li> <li>• HVAC Makeup: NA</li> <li>• Total Water Requirement: 153 KL</li> <li>• Excess treated water: 43 KL</li> <li>• Swimming Pool: 5 KL</li> <li>• Firefighting (Cum): 200 KL (One Time)</li> </ul>									
27.	Details about Swimming Pool:	<p>Pool Dimensions: 12.20 m X 7.70 m</p> <p>Total water Requirement in KLD: 94 kl</p> <p>Water requirement for make up in KLD: 5 KL</p> <p>Details of Plant &amp; Machinery used for treatment of Swimming pool water: high rate sand filters filter media, Self Priming pump, Control panel for pump, Vacuum fitting Chemicals required for maintaining the Swimming Pool TCCA (Trichloro isocyanuric Acid) granules. Disinfection by: Chlorination</p> <p>Details of quality to be achieved for swimming pool water and parameters to be monitored:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Sr.No.</th> <th>Parameters</th> <th>Standard</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>pH</td> <td>7.2</td> </tr> <tr> <td>2</td> <td>Chlorine</td> <td>1.5 to</td> </tr> </tbody> </table>	Sr.No.	Parameters	Standard	1	pH	7.2	2	Chlorine	1.5 to
Sr.No.	Parameters	Standard									
1	pH	7.2									
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		2.2 mg/l
28.	Rain Water Harvesting (RWH)	<p>Level of the Groundwater table: 64 m</p> <ul style="list-style-type: none"> <li>• Size and no of RWH tank (s) and Quantity: NA</li> <li>• Capacity of RWH tanks: NA</li> <li>• Location of the RWH tank (s): NA</li> <li>• No. of Recharge Pits: 6 nos. with bore well</li> <li>• Recharge Pit size:- 1.5 m X 3 m</li> </ul> <p>Commercial:</p> <ul style="list-style-type: none"> <li>• No. of RWH Tanks: NA</li> <li>• Capacity of RWH tanks: NA</li> <li>• Location of the RWH tank (s): NA</li> <li>• No of recharge pits: NA</li> <li>• Budgetary allocation (Capital cost and O&amp; M cost):</li> </ul> <p>Capital cost: 10,45,000/- O&amp;M cost: 52,200/- p.a</p>
29.	UGT tanks	<p>Residential and Commercial:</p> <p>Domestic UG tank Capacity: 153 KL Flushing UG tank Capacity: 51 KL (Considered in STP) Fire UG tank Capacity: 200 KL</p>
30.	Storm water drainage	<ul style="list-style-type: none"> <li>• Natural water drainage pattern: As per contour</li> <li>• Quantity of storm water : 9364.29 m<sup>3</sup>/yr</li> <li>• Size of SWD: From 450 to 600 mm with Slope 1:100</li> </ul>
31.	Sewage and Waste water	<ul style="list-style-type: none"> <li>• Residential:</li> <li>• Sewage generation (CMD): 138 KL</li> <li>• Capacity of STP (CMD): 145 KL</li> <li>• STP technology: MBBR</li> <li>• Location of STP: Enclosure I</li> </ul> <p>Commercial:</p> <ul style="list-style-type: none"> <li>• Sewage generation (CMD): ): N.A. (Considered in residential)</li> <li>• Capacity of STP (CMD): Same as Residential</li> <li>• STP technology: NA</li> </ul> <p>Budgetary allocation (Capital cost and O&amp; M cost):</p> <p>Capital Cost: 30,00,000/- O &amp; M Cost: 12,50,000/- p. a.</p>
32.	Solid waste Management	<p>Waste generation in the pre-Construction and Construction phase:</p>

		<ul style="list-style-type: none"> <li>Waste generation: NA</li> <li>Quantity of the top soil to be preserved: 1200 CUM</li> <li>Disposal of the construction way debris: Land filling on the same site</li> </ul> <p>Waste generation in the operation phase</p> <p>Residential &amp; commercial:</p> <ul style="list-style-type: none"> <li>Biodegradable waste: 324 Kg/day</li> <li>Non-Biodegradable waste: 199 Kg/day</li> <li>E-waste: NA</li> <li>Hazardous waste: NA</li> <li>Biomedical waste(Kg/month)(If applicable): NA</li> <li>STP sludge: 36 kg/day</li> </ul> <p>Mode of Disposal of waste:</p> <ul style="list-style-type: none"> <li>Dry waste: Through Authorized vendors</li> <li>Wet waste: Mechanical composter</li> <li>E-waste: NA</li> <li>Hazardous waste: NA</li> <li>Biomedical waste(Kg/month)(If applicable): NA</li> <li>STP sludge: Manure</li> </ul> <p>Area requirement:</p> <ol style="list-style-type: none"> <li>Location(s): Plan Enclosed.</li> <li>Total area provided for the storage &amp; Treatment of the solid waste: 70m<sup>2</sup>.</li> <li>Budgetary allocation(capital Cost &amp; O &amp; M cost): Capital Cost: 12,00,000/- O&amp;M cost : 1,25,000/-p. a</li> </ol>																														
33	<p><i>Green Belt Development</i></p> <p>Total RG area: 1664.27 m<sup>2</sup> (Mandatory 1010.80 sq.m.)</p> <ol style="list-style-type: none"> <li>RG area other than green belt (Please specify for playground, etc.): 131.18 m<sup>2</sup> society hall+ 164.81 sq.m. Hardscape area</li> <li>RG area under green belt: <ul style="list-style-type: none"> <li>RG on the ground (m<sup>2</sup>): 1368.28m<sup>2</sup></li> <li>RG on the podium (m<sup>2</sup>): NA</li> </ul> </li> </ol> <p>List of Proposed Plantation for the scheme:</p>	<table border="1"> <thead> <tr> <th>Sr. No</th> <th>Botanical Name</th> <th>Common Name</th> <th>Qt.</th> <th>Characteristics &amp; Ecological Importance</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Cassia fistula</td> <td>Bahava</td> <td>16</td> <td>Sheddy tree</td> </tr> <tr> <td>2.</td> <td>Bauhinia purpurea</td> <td>Rakta kanchan</td> <td>12</td> <td>Shady deciduous tree</td> </tr> <tr> <td>3.</td> <td>Tamarindus indica</td> <td>Chinch</td> <td>10</td> <td>Fruit bearing tree</td> </tr> <tr> <td>4.</td> <td>Azadirachta indica</td> <td>Neem</td> <td>5</td> <td>Medicinal plant and shedy tree</td> </tr> <tr> <td>5.</td> <td>Manikara hexandra</td> <td>Chikoo</td> <td>10</td> <td>Fruit bearing tree</td> </tr> </tbody> </table>	Sr. No	Botanical Name	Common Name	Qt.	Characteristics & Ecological Importance	1.	Cassia fistula	Bahava	16	Sheddy tree	2.	Bauhinia purpurea	Rakta kanchan	12	Shady deciduous tree	3.	Tamarindus indica	Chinch	10	Fruit bearing tree	4.	Azadirachta indica	Neem	5	Medicinal plant and shedy tree	5.	Manikara hexandra	Chikoo	10	Fruit bearing tree
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6.	<i>Saraca indica</i>	Ashok	9	Ornamental plant, Shady tree with red flower
7.	<i>Anthocephalous</i>	Kadamb	10	Shady large deciduous tree, fast growing tree
8.	<i>Ferronia lemonia</i>	Limbu	6	
9.	<i>Michelia champaka</i>	Som chafa	10	Bee attracting flowers, ornamental plant
10.	<i>Ahizzia lebbek</i>	Shirish	8	Shady tree
11.	<i>Erthrina indica</i>	Pangara	10	Shady tree
12.	<i>Couroupita guianensis</i>	Kailasapati	9	Shady deciduous tree
13.	<i>Pterospermum</i>	Muchkund	5	Shady deciduous tree
14.	<i>Polyalthia longifolia</i>	Ashoka tree	20	Shady deciduous tree
15.	<i>Plumeria alba</i>	Chafa	32	Ornamental plant
16.	<i>Eugenia jambolana</i>	Jambhul	20	Fruit bearing tree
17.	<i>Parkia biglandulosa</i>	Chendu Phali	20	Shady deciduous tree
18.	<i>Tachuba rosea</i>	Tachubea	27	Shady deciduous tree
19.	<i>Cardia sebastina</i>	Codia	20	Shady deciduous tree
	Total		259	

- Number & list of trees species to be planted in the ground: 259 Nos.
- Number & list of shrubs and bushes species planted on the podium RG:

Sr.No.	Botanical Name	Common Name
1.	<i>Allamanda nerifolia</i>	Golden trumpet
2.	<i>Caesalpinia pulcherrima</i>	Shankasur red
3.	<i>Canna red</i>	Kardal
4.	<i>Cestrum Nocturnum</i>	Raat rani
5.	<i>Duranta erecta</i>	Golden dewdrop
6.	<i>Gardentia jasminoides</i>	Anaut
7.	<i>Hibiscus red</i>	Jaswand
8.	<i>Mangrovia Mutabilis</i>	Kavato chafa
9.	<i>Euphorbia Pulcherrima</i>	Poinsettia dwarf
10.	<i>Stachytarpheta indica</i>	Indian snakeweed

- Number & list trees species to be planted around the border of nallah/stream/pond (if any): --
- No. of Existing Trees: NA
- Number, Size, Age and Species of trees to be cut, trees to be transplanted: NA
- NOC for the tree cutting/transplantation/Compensatory plantation, if any: NA

Budgetary allocation (capital Cost & O & M Cost):



	<ul style="list-style-type: none"> <li>• Capital Cost: 25,60,000/-</li> <li>• O&amp;M: 1,00,000/- p.a</li> </ul>																												
34.	<p><b>Energy</b></p> <p><b>Power Supply:</b></p> <ul style="list-style-type: none"> <li>• Maximum Demand: 1214.16 KW</li> <li>• Connect load: 1517.70 KW</li> <li>• Source: MSEDCL</li> </ul> <p>♦ Total DG power consumption for residential buildings: 125 KVA X 1 Transformer : 630 KVA X 2</p> <ul style="list-style-type: none"> <li>• Energy saving measures</li> </ul> <p>The following Energy Conservation Methods are proposed in the project:</p> <ul style="list-style-type: none"> <li>• Use of T5-28W, CFL lamps &amp; Induction lamps shall be used for Common area</li> <li>♦ Motion sensors are proposed for parking areas</li> <li>♦ Use of non-conventional energy i.e. Solar water heating system.</li> <li>• Transformers are located close to load center to minimize transmission losses</li> <li>• Solar lighting for common areas.</li> <li>• Thus total energy saving will be 680 units/day</li> </ul> <p>Detail calculations &amp; % of saving:</p> <p>Energy requirement (units/Day): 2659015.84</p> <p>Energy saved (units/Day): 541714.56</p> <p>%-age of Saving: 20.37%</p> <p>Compliance of the ECBC guidelines: (Yes / No) (If yes then submit compliance in tabular form):</p> <p>Compliance with Energy Conservation Building Code (ECBC) 2007</p> <table border="1"> <thead> <tr> <th></th> <th>Section</th> <th>Requirement</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>6.2.2</td> <td>Equipment efficiency standards</td> <td>Done</td> </tr> <tr> <td>2</td> <td>7.2</td> <td>Lighting controls to be controlled by photo sensor or time switch</td> <td>Done</td> </tr> <tr> <td>3</td> <td>7.2.1.4</td> <td>Exterior lighting to be controlled by photo sensor or time switch</td> <td>Done</td> </tr> <tr> <td>4</td> <td>7.3</td> <td>Interior lighting power to be within specific limits</td> <td>Done</td> </tr> <tr> <td>5</td> <td>7.4</td> <td>Exterior lighting power to be within specified limits</td> <td>Done</td> </tr> <tr> <td>6</td> <td>8.2.1.1</td> <td>Maximum allowable power loss from transformer</td> <td>Done</td> </tr> </tbody> </table>		Section	Requirement	Remark	1	6.2.2	Equipment efficiency standards	Done	2	7.2	Lighting controls to be controlled by photo sensor or time switch	Done	3	7.2.1.4	Exterior lighting to be controlled by photo sensor or time switch	Done	4	7.3	Interior lighting power to be within specific limits	Done	5	7.4	Exterior lighting power to be within specified limits	Done	6	8.2.1.1	Maximum allowable power loss from transformer	Done
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6	8.2.1.1	Maximum allowable power loss from transformer	Done																										

7	8.2.3	Power factor be maintained between 0.95 and unity	Done
8	8.2.4	Check metering	Done
9	8.2.5	Power distribution system losses to be maintained less than 1 %	Done

Budgetary allocation(Capital cost and O &M cost):

Non-Conventional Energy Use Including solar water heater:

Capital Cost: 70,00,000/-

O & M Cost:2,04,000/- p.a

Number and capacity of the DG sets to be used:125 KVA X 1

Stack Height: : 3 Mtr. (G.L.)

Electricity requirement from MSEDCL: 1517.70 KW

HT line passing through the plot if any: NA

35 Environmental Management plan Budgetary Allocation:

During Construction Phase :

Sr. No.	Particulars	Cost
1.	Erosion control: Dust suppression measures & barricading	4,00,000/-
2.	Site Safety	3,50,000/-
3.	Site Sanitation	1,50,000/-
4.	Disinfection & health check up	1,00,000/-
5.	Environmental Monitoring	1,00,000 -
	Total	11,00,000/-

During Operation Phase:

S N	Particular	Capital cost	O & M Cost p.a.
1	STP	30,00,000	1,25,000
2	Drainage Line cost	3,64,550	--
3	Rain Water Harvesting	1,45,000	52,000
4	Storm Water networking	15,00,000	50,000
5	Storm Water Line Cost	4,35,600	--
6	Solid Waste Management	1,20,000	1,25,000
7	Green Belt Development	25,60,000	1,50,000
8	Swimming Pool	22,10,000	2,40,000
9	Energy saving measures (Including solar water heater)	70,00,000	2,04,000
10	Environmental Monitoring	--	1,60,000
11	Safety training & awareness	9,00,000	---
12	Water Tanker supply	Fixed amount will be taken from the purchaser at the time of purchase (Rs.1,00,000/- per flat holder)	

	Total	1,82,35,150	11,06,000																				
	<ul style="list-style-type: none"> <li>Quantum and Generation of Corpus fund and Commitment: Project proponent shall generate corpus fund from individual flat owners for O &amp; M during operation phase till handing over of premises to society.</li> <li>Responsibility for further O &amp; M: Corpus fund shall be handed over to the society. While handing over Environmental Management Facilities M.O.U. shall be made with society to accept responsibility of further O &amp; M</li> </ul>																						
36	<p><b>Traffic Management:</b></p> <ul style="list-style-type: none"> <li>Nos. of the junction to the main road &amp; design of confluence: 1</li> </ul> <p>Plot Area: 10,600.00</p> <p>Parking details:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr. No.</th> <th style="width: 30%;">Type</th> <th style="width: 30%;">Applicable No. of Parking as per DCR</th> <th style="width: 30%;">Provided Parking</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2 Wheelers</td> <td style="text-align: center;">250</td> <td style="text-align: center;">257</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">4 Wheelers</td> <td style="text-align: center;">44</td> <td style="text-align: center;">60</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">Cycles</td> <td style="text-align: center;">250</td> <td style="text-align: center;">250</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">Public Transport</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> </tr> </tbody> </table> <p>Total area provided for parking: 2921.00 m<sup>2</sup>  No. of Car parking provided: 60 Nos.  Type of parking. (Open/Stilt/Basement): Stilt  Area per car including driveway provided for car parking: 30.00 m<sup>2</sup>  Width of all internal roads (m): NA</p>			Sr. No.	Type	Applicable No. of Parking as per DCR	Provided Parking	1	2 Wheelers	250	257	2	4 Wheelers	44	60	3	Cycles	250	250	4	Public Transport	NA	NA
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1	2 Wheelers	250	257																				
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37.	CRZ/RRZ clearance obtain, if any	Not Applicable																					
38.	Distance from Protected Areas /Critically Polluted areas /Eco-sensitive areas /Inter-State boundaries	Not Applicable																					

3. The proposal has been considered by SEIAA in its 102<sup>nd</sup> meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

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

- (i) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern

SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.

- (ii) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
- (iii) The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.
- (iv) This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit
- (v) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (vi) The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
- (vii) "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
- (viii) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

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

- (i) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.
- (ii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- (iii) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- (iv) Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

- (v) Arrangement shall be made that waste water and storm water do not get mixed.
- (vi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (vii) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- (viii) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (ix) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
- (x) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
- (xi) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
- (xii) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards
- (xiii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
- (xiv) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- (xv) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.
- (xvi) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
- (xvii) Ready mixed concrete must be used in building construction.
- (xviii) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment's etc. as per National Building Code including measures from lighting.

- (xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxi) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- (xxii) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/reused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
- (xxiii) Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- (xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
- (xxv) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- (xxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
- (xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- (xxviii) Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.
- (xxix) Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.

- (xxx) Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- (xxxvi) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- (xxxii) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- (xxxiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- (xxxiv) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
- (xxxv) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
- (xxxvi) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

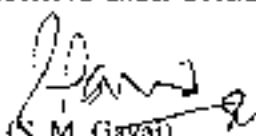
**General Conditions for Post- construction/operation phase-**

- (i) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SELAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.
- (ii) Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
- (iii) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
- (iv) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
- (v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.

- (vi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
  - (vii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
  - (viii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://ec.maharashtra.gov.in>.
  - (ix) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1<sup>st</sup> June & 1<sup>st</sup> December of each calendar year.
  - (x) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
  - (xi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
  - (xii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
  - (xiii) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.



5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
7. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 7 years as per MoEF&CC Notification dated 29<sup>th</sup> April, 2015.
8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
10. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1<sup>st</sup> Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

  
 (S. M. Gavai)  
 Member Secretary, SEIAA

**Copy to:**

1. Shri. Jagdish Joshi, Chairman, IAS (Retd.), SEAC-III, Flat no. 3, Tahiti chs. Juhu Vers Ova Link Road, Andheri (W), Mumbai- 400 053.
2. Additional Secretary, MOEF, 'MoEF& CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
3. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
4. IA- Division, Monitoring Cell, MoEF& CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
5. Managing Director, MSEDCL, MG Road, Fort, Mumbai
6. Collector, Pune.
7. Commissioner, Pune Metropolitan Regional Development Authority (PMRDA)

8. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
9. Regional Office, MPCB, Pune.
10. Select file (TC-3)

(EC uploaded on \_\_\_\_\_ )

**Annexure – II****EMP Cost****During Construction Phase**

<b>Sr. No.</b>	<b>Parameter</b>	<b>Total cost in Lakhs</b>
1	Water and dust Suppression, Erosion Control	4
2	Site Safety	3.5
3	Site Sanitation	1.5
4	Environmental Monitoring	1.00
5	Disinfection & Health Check up	1.00
<b>Total Cost</b>		<b>11.00</b>

**During Operation Phase**

<b>Sr. No.</b>	<b>Pollution control measures</b>	<b>Capital Cost (Rs. Lakhs)</b>	<b>Recurring Cost Per annum (Rs. Lakhs)</b>
1	Pollution control Measures-STP	30	1.25
2	Drainage Line cost	36.455	-
3	Rain Water Harvesting	1.45	0.52
4	Storm Water networking	15	0.50
5	Storm Water Line Cost	4.356	-
6	Solid Waste Management	1.20	1.25
7	Green Belt Development	25.60	1.50
8	Swimming Pool	22.10	2.40
9	Energy saving measures (Including solar water heater)	70.00	2.04
10	Environmental Monitoring	-	1.60
11	Safety training & awareness	9.00	-
12	Water Tanker supply	Fixed amount will be taken from the purchaser at the time of purchase (Rs.1,00,000/- per flat holder)	
<b>Total</b>		182.3515	11.06

# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : -24010437/24020781/24014701

Fax : - 24044532 / 24023516

Email : -enquiry@mpcb.gov.in

Visit At:-<http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion-  
Matunga Scheme Road No. 8, Opp.  
Cine Planet Cinema, Near Sion Circle,  
Sion (E), Mumbai - 400 022

## Infrastructure/Orange/L.S.I

Consent order No: Format 1.0/BO/ROHQ/CE/CC- 1701002091

Date: 30/01/2017

To,

M/s. Sanjeevani Developers, "Orchid"

S. No. 23/3 + 24/1A + 24/1B Sus,

Tal : Mulshi, Dist : Pune.

Sub : Consent to Establish in Orange category for Building / construction project.

Ref : Minutes of Consent Committee meeting held on 06/12/2016.

UAN No:- MPCB-CONSENT-0000011280, Date:-10/08/2016

For: Consent to Establish for Construction of Residential project.

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 Municipal Solid Waste (Management & Handling) Rule 2000 and E-Waste (Management & Handling Rule 2011 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 the unit or five years, whichever is earlier.
2. The Proposed Capital investment of the Project is Rs. 36.0 Cr. (As per CA certificate).
3. The Consent to Establish is valid for development of new Residential project by M/s. Sanjeevani Developers, named as "Orchid" at S. No. 23/3 + 24/1A + 24/1B Sus, Tal:- Mulshi, Dist : Pune on total plot area 10,600.0 m<sup>2</sup> and total construction built up area 23,344.72 m<sup>2</sup> As per construction commencement certificate issued by local body.
4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge	Standards to be achieved	Disposal
1.	Trade effluent	Nil	NA	NA
2.	Domestic effluent	138.0 CMD	As per Schedule -I	60% shall be reused & recycled and remaining shall be discharged in municipal sewer.

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

Sr. No.	Description of stack / source	Number of Stack	Standards to be achieved
1.	DG sets (160 KVA)	1	As per Schedule -II

6. Conditions under Municipal Solid Waste (Management and Handling) Rule,2000

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1.	Biodegradable Waste	324.0	Kg/Day	OWC	Used as manure
2.	Non Biodegradable Waste	199.0	Kg/Day	Segregation	By sale

7. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
9. The applicant shall comply with the conditions stipulated in Environment Clearance granted by GOM, vide no:- SEAC-III-2015/CR-89/TC-3 dated 26<sup>th</sup> August 2016.
10. Project proponent shall submit an affidavit in Board' prescribed format within 15 days regarding the compliance of conditions of Environment Clearance and Consent to Establish.
11. The applicant shall submit Board Resolution towards commencement of construction work without obtaining consent to Establish from MPC Board thus violated the provisions of Environmental Laws and in future you will not do such violations and applicant shall submit a Bank Guarantee of Rs. 2.0 Lakh towards submission of Board resolution by 31/01/2017.
12. This consent is issued under signature of HOD, as HOD is authorized to sign the consent vide office order issued by Environment Department, GoM vide no. सकिर्ण २०१७/प्र.क्र २६ /आस्थापना Dated 23/01/2017.

For and on behalf of the  
Maharashtra Pollution Control Board



(N.N.Gurav)  
Regional Officer (HQ)

Received Consent fee of-

Sr. No.	Amount (RS)	DD No.	Date	Drawn On
1	75000.0	RTGS - MAHB16223661957	10/08/2016	Bank Of Maharashtra

Copy to:

1. Regional Officer, MPCB, Pune. And Sub-Regional Officer, Pune-II, they are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your consent application, you have proposed to provide the sewage treatment system with the design capacity of 145.0 CMD

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

1.	Suspended Solids	Not to exceed	50.0 mg/l.
2.	BOD 3 Days 27 degree C	Not to exceed	10.0 mg/l.
3.	COD	Not to exceed	100.0 mg/l.

C] The treated domestic effluent shall be 60% recycled and reused for flushing, fire fighting and cooling of Air conditioners etc. The remaining shall be discharged into Municipal sewer/ utilized on land for gardening after conforming to above standards. The firm shall affix the separate meter for ensurance of 60% recycling of treated sewage and keep the records of the same. In no case effluent shall find its way to any water body directly /indirectly at any time.

- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works 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 an extension or addition thereto.
- 3) The firm 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) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made thereunder for various category of water consumption.

In case the water consumption is duly assessed under the quantity of water consumption of local body, the project proponent shall submit certificate to that effect from the concern local body with the request not to assess CESS on their water consumption, being already assessed on the water consumption of local body.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Domestic purpose	175.0



**Schedule-II**

**Terms & conditions for compliance of Air & Noise Pollution Control:**

1. As per your application, you have proposed to erect following stack (s) and to observe the following fuel pattern-

Sl.No.	Stack Attached To	Height in Mtrs.	Type of Fuel	Quantity
1.	DG sets (160 KVA)	3.0	Diesel	5.0 Kg/Hr

\* D.G. Set shall be operate only in case of power failure.

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:

Particulate matter	Not to exceed	150.00 mg/Nm <sup>3</sup> .
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3. The Applicant shall 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.
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 during construction phase:-

a	During construction phase, applicant shall provide temporary sewage disposal and MSW facility for staff and worker quarters.
b	During construction phase, the ambient air and noise quality should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory.
c	Noise generating activity shall be carried out during day time only.



**Schedule-III**  
**Details of Bank Guarantees**

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Establish	Rs. 10.0 lakh	15 days at Regional Office Pune.	Rs. 10.0 lakh for ensuring the compliance of consent conditions.	Upto Commissioning of the unit	Five years
2	Establish	Rs. 2 Lakh	15 days at Regional Office Pune	Rs. 2.0 Lakh towards submission of Board resolution by 31/01/2017	31/01/2017	31/03/17

  
L. S. S.



#### Schedule-IV

##### General Conditions:

The following general conditions shall apply as per the type of the industry.

- 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 Municipal Solid Waste (Management & Handling) Rule 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) The industry shall take adequate measures for control of noise levels from its own sources within the premises.
  - d) 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.
  - e) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - f) 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.
  - g) D.G. Set shall be operated only in case of power failure.
  - h) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - i) The applicant shall comply with the notification of MoEF dated 17.05.2002 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 Municipal Solid Waste (Management & Handling) Rule 2000 & 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) The industry 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.**



## MAHARASHTRA POLLUTION CONTROL BOARD

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/24037124/24035273  
Fax : 24044532/24024068  
/24023516  
Email : jdwater @mpcb.gov.in  
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor,  
Sion- Matunga Scheme Road No. 8,  
Opp. Cine Planet Cinema, Near Sion Circle,  
Sion (E), Mumbai - 400022

Infrastructure /Red/LSI

Consent order No: Format1.0/BO/JD (WPC)/UAN-082713/ Auto renewal /CC-2001002145  
Date 31/01/2020

To,  
M/s. Sanjeevani Developers "Orchid"  
S. No. 23/3+ 24/1A+24/1B,  
Sus, Tal: Mulshi,Pune.

**Sub: Auto Renewal of Consent to Operate for Construction of Residential Building Projects is granted under Red category.**

- Ref:** 1. Consent to Operate vide no. Format 1.0/BO/ROHQ/CC-1812000345 dt. 05/12/2018.  
2. Environmental Clearance obtained Vide No. SEAC-III-2015/C.R-89/TC-3dt. 26/08/2016.  
3. Your Application vide UAN No. 082713 (Auto renewal ) dt.13/11/2019.

For: Auto Renewal of Consent to Operate for Construction of Residential Building project under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous and Other Wastes (M & TM) 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. Renewal of Consent is granted for period up to .31.01.2025
2. The proposed capital investment of the project is **Rs.36.00 Cr.**  
(As per C.A certificate submitted by project proponent)

Auto Renewal of Consent to Operate is valid for Construction of Residential Building Project named as **M/s. Sanjeevani Developers "Orchid" S. No. 23/3+ 24/1A+24/1B, Sus, Tal: Mulshi,Pune,** for total plot area **10,600.00 Sqm** & completed total **BUA area 23,344.72 Sqm** including utilities and services and as per commencement certificate issued by local body.

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

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	NIL	NA	NA
2.	Domestic effluent	138.00	As per Schedule -I	60% should be reused & recycled and remaining should be discharged in municipal sewer

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

Sr. No.	Description of stack/ source	Capacity	Number Of Stack	Standards to be achieved
1.	DG Set	125 KVA	1	As Per Schedule -II

5. Conditions under Solid Waste Management Rules, 2016:

Sr. no.	Type Of Waste	Quantity & UOM	Treatment	Disposal
1	Wet garbage	324.00 Kg/Day	Organics waste Converter with composting facility / Biogas digester with composting facility	Used as Manure
2	Dry garbage	199.00 Kg/Day	—	Segregate and Hand over to Local Body for recycling
3	STP sludge	12.0 Kg/day	STP	Used as manure

- This Consent is issued under the auto renewal of consent policy of the Boar vide letter No.— dtd 22/04/2019 as per self-certificate submitted by Mr. Amarshekhar Bhonagiri, Vice president, -Governing Council, authorized signatory.
- The applicant shall inform the Board in each financial year about the change in Capital investment of the industry. In case, if the Capital investment is increased by an amount upto 10% then the industry shall make payment of the corresponding fees for consent to establish and also difference in consent to operate fees for the corresponding block year. In case, if there is increase in Capital investment by over 10% then the industry shall submit a fresh application in prescribed form
- Conditions under Hazardous and Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste; NIL.
- The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
- Project Proponent shall comply the Construction and Demolition Waste Management Rules, 2016 which is notified by Ministry of Environment, Forest and Climate Change dtd.29/03/2016.
- Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of EC/CRZ clearance and C to E.
- Project Proponent shall install online monitoring systems for BOD, TSS and flow at the outlet of STP.
- Project Proponent shall Operate and maintain Organic waste digester with composting facility or Biogas digester with composting facility.
- The applicant should comply with the conditions stipulated in Environmental Clearance Obtained from SEAC, Environment Department, Government of Maharashtra, dtd.26/08/2016 for total plot area 10,600.00 Sqm & total construction BUA area 23,344.72 Sqm.

For and on behalf of the  
Maharashtra Pollution Control Board

(E. Ravendiran, IAS)  
Member Secretary

Received Consent fee of –

Sr. No.	Amount (Rs.)	Transaction . No.	Date	Drawn On
1	*6,25,000/-	NEFT	19.11.2019	Axis Bank

[\*Rs.2,50,000/- is balance with Board which shall be utilized in next renewal of consent]

Copy to:

- Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune-II they are directed to ensure the compliance of the consent conditions.
- Chief Accounts Officer, MPCB, Mumbai.
- CC desk- for record & website updating purposes.



Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A) As per your application, you have installed of Sewage Treatment Plants (STP) with the design capacity of 145.00 CMD
- 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 Rules made there under from time to time, whichever is stringent.

1.	pH	Between	6.5 to 9.0
2.	Total Suspended Solids	Not more than	20 mg/l.
3.	BOD 3 Days 27 degree C	Not more than	10 mg/l.
4.	Chemical oxygen Demand (COD)	Not to more than	50 mg/l.
5.	NH4 N	Not more than	5 mg/l.
6.	N Total	Not more than	10 mg/l.
7.	Fecal Coliform MPN/100 Mi	Less than	100.0

- C) The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting, on land for gardening etc and remaining shall be discharged in to the municipal sewerage system.
- D) Project proponent shall operate STP for five years from the date of obtaining occupation certificate.
- 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
- 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.
- 3) The Applicant shall comply with the provisions 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.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Domestic purpose	175.00

- 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.



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. 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-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type Of Fuel	Quantity	UOM	S%	SO <sub>2</sub>
1.	DG Set (125 KVA)	Acoustic enclosure	2.24	Diesel	5.00	Lit/Hr	--	--

\* Above roof of the building in which it is installed.

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

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. 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).



**Schedule-III**  
**Details of Bank Guarantees**

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Operate	Rs. 10 lakh	15 Days	Towards Compliance of EC and consent conditions.	Continuous	31.03.2025

*[Handwritten signature]*

Maharashtra Pollution Control Board

General Conditions:

Schedule-IV

The following general conditions shall apply as per the type of the industry.

- 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 Rules, 2016 and E-Waste (Management) Rules, 2016.
- 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) The industry shall take adequate measures for control of noise levels from its own sources 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 is reckoned between 10 p.m to 6 a.m.
  - d) 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.
  - e) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - f) 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.
  - g) D.G. Set shall be operated only in case of power failure.
  - h) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - i) The applicant shall comply with the notification of MOEF dated 17.05.2002 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 Rules, 2016 & E-Waste (M) Rules, 2016.
- 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.
- ∴ The treated sewage shall be disinfected using suitable disinfection method.
- ∴ 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.
- 0) The applicant make an application for renewal of consent at least 60 days before the date of the expiry of the consent.

## Public Notice

### English New paper Public Notice





(July'19 -December'19)

**Marathi New Paper Public Notice****जाहीर सूचना**

आम्ही मे. संजीवनी डेव्हलपर्स सर्वसाधारण जनतेस कळवू इच्छितो की, महाराष्ट्र शासनाच्या पर्यावरण विभागाने आमच्या सर्व्हे नं. २३/३+२४/१अ+२४/१ब, सूस, तालुका मुळशी, जिल्हा पुणे, महाराष्ट्र येथील निवासी प्रकल्पाला दिनांक २६ ऑगस्ट, २०१६ रोजी पत्र क्र. SEAC-III-2015/CR-89/TC-3 अन्वये पर्यावरणाच्या दृष्टिकोनातून मान्यता दिली आहे. सदर मान्यतापत्राची प्रत महाराष्ट्र प्रदूषण नियंत्रण मंडळाच्या कार्यालयामध्ये तसेच पर्यावरण विभाग, महाराष्ट्र शासन यांच्या <http://www.cc.maharashtra.gov.in> या संकेतस्थळावर उपलब्ध आहे. मे. संजीवनी डेव्हलपर्स

Published on 7th December, 2016  
in local Marathi newspaper  
'Kesari'



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(ISO 9001, 14001, 45001 & NABL / 17025 Certified Organisation)

Report No:- GCI/V/Lab/EM-SP/22-23/NOV-00/1065

Date: 10/11/2022

## ANALYSIS REPORT

Client details		Sample Details	
Name	Yashwin Jeevan	Sample Code	GCI/V/22/K1/YJ/AA1
Address	S.no23/3, + 24/1A + 24/1B Sus, Mulashi,pune	Location	NEAR SECURITY GATE
Sampling Done By	MR KARTIK	Date of Sampling	03/11/2022
Analysis Starts On	04/11/2022	Date of Sample Received	04/11/2022
Analysis Completion On	09/11/2022	Sampling Instrument	RDS, FPS
		Sampling Method	IS 5182 : Part 5 : 1975

## AMBIENT AIR ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	60.1	100	IS 5182 : Part 23 : 2006
2	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	37.9	60	NAAQS Guidelines
3	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	29.4	80	IS 5182 : Part 2 : 2001
4	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	33.8	80	IS 5182 : Part 6 : 2006
5	Carbon Monoxide CO	mg/m <sup>3</sup>	0.48	2.0	IS 5182 : Part 10 : 1999
6	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	11.8	100	NAAQS Guidelines
7	Lead as Pb	µg/m <sup>3</sup>	BDL (<0.1)	1.0	NAAQS Guidelines
8	Nickel as Ni	ng/m <sup>3</sup>	BDL (<1)	20	NAAQS Guidelines
9	Arsenic as As	ng/m <sup>3</sup>	BDL (<1)	6.0	NAAQS Guidelines
10	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	BDL (<5)	400	NAAQS Guidelines
11	Benzene , C <sub>6</sub> H <sub>6</sub>	µg/m <sup>3</sup>	BDL (<0.01)	5.0	IS 5182 (Part 11):2006
12	Benzo (a) Pyrene	ng/m <sup>3</sup>	BDL (<0.1)	1.0	Gas Chromatography



Authorized Signatory

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- Sample will be retained till 15 days from the date of sampling.

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Tel: +91 - 265 - 2371269 Cell: +91 93285 83835 Email: info@greencircleinc.com Website: www.greencircleinc.com

NEW DELHI GOA PUNE BENGALURU U.K. : ALSO AT : HYDERABAD KOLKATA DHARWAD MUMBAI PORT BLAIR  
AUSTRALIA OMAN KUWAIT AFRICA : OVERSEAS : VIETNAM BANGLADESH MYANMAR SRI LANKA UAE



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Report No:- GCI/V/Lab/EM-SP/22-23/NOV-00/1065

Date: 10/11/2022

## ANALYSIS REPORT

Client details		Sample Details	
Name	Yashwin Jeevan	Sample Code	GCI/V/22/K1/YJ/AA2
Address	S.no23/3, + 24/1A + 24/1B Sus, Mulashi,pune	Location	SOUTHWEST CORNER OF SITE
		Date of Sampling	03/11/2022
Sampling Done By	MR KARTIK	Date of Sample Received	04/11/2022
Analysis Starts On	04/11/2022	Sampling Instrument	RDS, FPS
Analysis Completion On	09/11/2022	Sampling Method	IS 5182 : Part 5 : 1975

## AMBIENT AIR ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	59.1	100	IS 5182 : Part 23 : 2006
2	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	44.6	60	NAAQS Guidelines
3	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	29.8	80	IS 5182 : Part 2 : 2001
4	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	32.6	80	IS 5182 : Part 6 : 2006
5	Carbon Monoxide CO	mg/m <sup>3</sup>	0.40	2.0	IS 5182 : Part 10 : 1999
6	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	18.6	100	NAAQS Guidelines
7	Lead as Pb	µg/m <sup>3</sup>	BDL (<0.1)	1.0	NAAQS Guidelines
8	Nickel as Ni	ng/m <sup>3</sup>	BDL (<1)	20	NAAQS Guidelines
9	Arsenic as As	ng/m <sup>3</sup>	BDL (<1)	6.0	NAAQS Guidelines
10	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	BDL (<5)	400	NAAQS Guidelines
11	Benzene , C <sub>6</sub> H <sub>6</sub>	µg/m <sup>3</sup>	BDL(<0.01)	5.0	IS 5182 (Part 11):2006
12	Benzo (a) Pyrene	ng/m <sup>3</sup>	BDL (<0.1)	1.0	Gas Chromatography



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Report No:- GCI/V/Lab/EM-SP/22-23/NOV-00/1065

Date: 10/11/2022

## ANALYSIS REPORT

Client details		Sample Details	
Name	Yashwin Jeevan	Sample Code	GCI/V/22/K1/YJ/AA3
Address	S.no23/3, + 24/1A + 24/1B Sus, Mulashi,pune	Location	NORTHEAST CORNER OF SITE
		Date of Sampling	03/11/2022
Sampling Done By	MR KARTIK	Date of Sample Received	04/11/2022
Analysis Starts On	04/11/2022	Sampling Instrument	RDS, FPS
Analysis Completion On	09/11/2022	Sampling Method	IS 5182 : Part 5 : 1975

## AMBIENT AIR ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	55.7	100	IS 5182 : Part 23 : 2006
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	37.9	60	NAAQS Guidelines
3.	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	28.5	80	IS 5182 : Part 2 : 2001
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	20.1	80	IS 5182 : Part 6 : 2006
5.	Carbon Monoxide CO	mg/m <sup>3</sup>	0.39	2.0	IS 5182 : Part 10 : 1999
6.	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	12.8	100	NAAQS Guidelines
7.	Lead as Pb	µg/m <sup>3</sup>	BDL (<0.1)	1.0	NAAQS Guidelines
8.	Nickel as Ni	ng/m <sup>3</sup>	BDL (<1)	20	NAAQS Guidelines
9.	Arsenic as As	ng/m <sup>3</sup>	BDL (<1)	6.0	NAAQS Guidelines
10.	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	BDL (<5)	400	NAAQS Guidelines
11.	Benzene , C <sub>6</sub> H <sub>6</sub>	µg/m <sup>3</sup>	BDL(<0.01)	5.0	IS 5182 (Part 11):2006
12.	Benzo (a) Pyrene	ng/m <sup>3</sup>	BDL (<0.1)	1.0	Gas Chromatography



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Report No:- GCI/V/Lab/EM-SP/22-23/NOV-00/1065

Date: 10/11/2022

## ANALYSIS REPORT

Client Details		Sample Details	
Name	Yashwin Jeevan	Sample Code	GCI/V/22/K1/YJ/N1-N3
Address	S.no23/3, + 24/1A + 24/1B Sus, Mulashi,pune	Location	As per table
		Quantity	NA
		Date of Measurement	03/11/2022
		Sampling Instrument	Sound Level Meter (HTC/SL-1352)
Measurement Done By	MR KARTIK	Sampling Method	HTC/SL-1352 Inst. Manual

## NOISE MONITORING RESULTS

Sr. No.	Location Name	Units	Day Time		Night Time	
			Results	MPCB Permissible Limit	Results	MPCB Permissible Limit
1.	Near Security Gate	dB (A)	51.5	55	38.4	45
2.	Southwest Corner of the Site	dB (A)	48.6	55	36.1	45
3.	Northeast Corner of the Site	dB (A)	50.1	55	32.7	45

**Limits:** Maharashtra pollution Control Board has prescribed 55dB (A) as an upper limit of noise level during day time and 45 dB (A) During night time for residential area.



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Report No:- GCI/V/Lab/EM-SP/22-23/NOV-00/106

Date: 10/11/2022

## ANALYSIS REPORT

Client Details		Sample Details	
Name	Yashwin Jeevan	Sample Code	GCI/V/22/K1/YJ/S1
Address	S. No. 25(P) + 26/1 + 26/2(P) + 26/4 + 26/5, Sus, Tal. Mulsh	Location	SOIL – GREEN BELT AREA
		Quantity	2.0 kg
Sampling Done By	MR KARTIK	Date of Sampling	03/11/2022
Analysis Starts on	04/11/2022		
Analysis Completion On	09/11/2022	Sample Received Date	04/11/2022

## SOIL ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Test Procedure
1	pH (1:5 Soil Suspension)	-	7.8	IS 2720 (Part 26):1987
2	Electrical Conductivity (1:5 Soil Suspension)	mS/cm	0.30	EPA Method 9045
3	Total Nitrogen as N	mg/kg	52.7	Kjeldahl Method
4	Phosphate as P	mg/kg	53.7	Olsen Method
5	Potassium as K	mg/kg	224	EPA 3050 B
6	Exchangeable Calcium as Ca	meq/100g	11.6	EPA 3050 B
7	Exchangeable Magnesium as Mg	meq/100g	15.8	EPA3050 B
8	Exchangeable Sodium as Na	meq/100g	0.88	EPA3050 B
9	Organic Matter	%	1.71	Walkey and Black Method
10	Texture	-	Sandy Clay	Robinson Pipette Method

BDL =Below Detectable Limit

DL =Detectable Limit



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Report No:- GCI/V/Lab/EM-SP/22-23/NOV-00/1065

Date: 10/11/2022

## ANALYSIS REPORT

Client Details		Sample Details	
Name	Yashwin Jeevan	Sample Code	GCI/V/22/K1/YJ/DW1
Address	S.no23/3, + 24/1A + 24/1B Sus, Mulashi,pune	Location	Municipal Water at Project Site
		Quantity	2000 ml
Sampling Done By	MR KARTIK	Date of Sampling	03/11/2022
Analysis Starts on	04/11/2022	Sampling Method	APHA 1060
Analysis Completion On	09/11/2022	Sample Received Date	04/11/2022

## DRINKING WATER ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Permissible Limit as per IS 10500-2012	Reference Method
1	Colour	Hazen	Nil	5	APHA 22nd EDITION
2	Odour	-	No Odour	Unobjectionable	APHA 22nd EDITION
3	Taste	-	Agreeable	Agreeable	APHA 22nd EDITION
4	Turbidity	NTU	BDL(<0.5)	1	IS : 3025 Part 10-1984 (Reaff: 2002)
5	pH at 25 °C	-	6.8	6.5-8.5	IS : 3025 Part 11- 1983 (Reaff:2002)
6	Total Dissolved Solids	mg/l	220	500	IS : 3025 Part 16-1984 (Reaff:2003)
7	Total Alkalinity as CaCO <sub>3</sub>	mg/l	138	200	IS : 3025 Part 23- 986(Reaff:2003)
8	Total Hardness as CaCO <sub>3</sub>	mg/l	88	200	IS : 3025 Part 21-2009
9	Calcium as Ca	mg/l	34	75	IS : 3025 Part 40-1991 (Reaff:2003)
10	Magnesium as Mg	mg/l	29	30	APHA 22nd EDITION-3500 Mg-B
11	Chloride as Cl <sup>-</sup>	mg/l	95	250	IS : 3025 Part 32-1988 (Reaff:2003)
12	Sulphate as SO <sub>4</sub>	mg/l	77	200	APHA 22nd EDN-4500- SO42- E
13	Nitrate as NO <sub>3</sub>	mg/l	25	45	APHA 22nd EDN -4500- NO3- B
14	Iron as Fe	mg/l	0.22	0.30	IS : 3025 Part 53-2003
15	Manganese as Mn	mg/l	BDL (<0.02)	0.10	APHA 22nd EDN -3500-Mn D
16	Fluoride as F	mg/l	0.46	1.00	APHA 22nd EDN -4500-F B&D
17	Lead as Pb	mg/l	BDL (<0.03)	0.05	IS:3025 Part 47 (Reaff:2003)
18	Copper as Cu	mg/l	BDL (<0.03)	0.05	IS:3025 Part 42 (Reaff:2003)
19	Zinc as Zn	mg/l	0.94	5.00	IS:3025 Part:49 (Reaff:2003)

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(F. No. - 15018 / 06 / 2016 - CPW)  
(ISO 9001, 14001, 45001 & NABL / 17025 Certified Organisation)

20	Hexavalent Chromium as Cr <sup>6+</sup>	mg/l	BDL (<0.03)	0.05	IS:3025 Part:37 (Reaff:2003)
21	Residual Free Chlorine as Cl <sub>2</sub>	mg/l	BDL (<0.10)	0.20	APHA 22nd EDN -4500-Cl B
22	Cadmium as Cd	mg/l	BDL (<0.03)	0.003	IS:3025 Part 48(Reaff:2003)
23	Aluminum	mg/l	BDL (<0.03)	0.03	IS:3025 Part:55 (Reaff:2003)

BDL =Below Detectable Limit



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Report No:- GCI/V/Lab/EM-SP/22-23/NOV-00/1065

Date: 10/11/2022

## ANALYSIS REPORT

Client Details		Sample Details	
Name	Yashwin Jeevan	Sample Code	GCI/V/22/K1/YJ/WW1
Address	S.no23/3, + 24/1A + 24/1B Sus, Mulashi,pune	Location	Outlet sample of STP
Sampling Done By	MR KARTIK	Date of Sampling	03/11/2022
Analysis Starts on	04/11/2022	Sampling Method	APHA 1060
Analysis Completion On	09/11/2022	Sample Received Date	04/11/2022

## TREATED WATER ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Concentration not to be exceeded	Reference Method
1	pH at 25 °C	-	7.0	6.5-9.0	IS 3025 (Part 11) (1983)
2	BOD (3 days @ 27°C)	Mg/l	8.7	10	IS 3025 part 44 (1993 Reaffirmed 2003)
3	Total Suspended Solids	Mg/l	7.5	<20	APHA 2540 D (22nd Edition)
4	COD	Mg/l	49	50	USEPA 410.4
5	Oil & Grease	Mg/l	7.9	NS	IS 3025 (Part 39) (1991)

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Report No:- GCI/V/Lab/EM-SP/22-23/NOV-00/1065

Date: 10/11/2022

## ANALYSIS REPORT

Client Details		Sample Details	
Name	Yashwin Jeevan	Sample Code	GCI/V/22/K1/YJ/M1
Address	S.no23/3, + 24/1A + 24/1B Sus, Mulashi,pune	Location	Manure from OWC
Sampling Done By	MR KARTIK	Date of Sampling	03/11/2022
Analysis Starts on	04/11/2022		
Analysis Completion On	09/11/2022	Sample Received Date	04/11/2022

## MANURE ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Limits as per FCO	Test Procedure
1	pH	-	7.5	6.5-7.5	IS 2720 (Part 26):1987
2	Moisture		22.8	<25	
3	Colour		Blackish Brown	Dark brown to Black	
4	Odour		Absence of Foul Smell	Absence of Foul smell	
5	Bulk Density		0.44	<1.0	
6	Total Organic Carbon		23.8	>14.0	
7	Total Nitrogen as N	mg/kg	1.9	>0.8	Kjeldahl Method
8	Phosphate as P	mg/kg	0.6	>0.4	Olsen Method
9	Potassium as K	mg/kg	0.7	>0.4	EPA 3050 B
10	C:N ratio		15.5	<20:1	
11	Particle Size		82 % pass through 4mm Sieve	Min 90% material pass through 4mm IS sieve	



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