

**Six monthly Compliance report- July 2022 to December 2022 - M/s. Vilas Javdekar Eco Developers Pvt. Ltd.**

Ace Enviroment <info@aceenvironment.in>

Mon 02/01/2023 17:52

To: EC Compliance Maharashtra <eccompliance-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>

Dear Sir/Madam

Please find the Post EC Compliance Report attached herewith for Period of July 2022 to December 2022 of 'Palladio' Residential and Commercial project proposed on plot bearing Survey No 84/1A/1, 84/1A/2 village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra by M/s. Vilas Javdekar Eco Developers Pvt. Ltd., with reference to Environmental Clearance Letter No. SEAC-EC-0000000333 dated – 2 June, 2018.

Hope this is in line with your requirement.

Thanking you

Yours Sincere

M/s. Vilas Javdekar Eco Developers Pvt. Ltd.



VILAS  
JAVDEKAR  
DEVELOPERS

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 and Commercial Development Project "Palladio" at Survey No. 84/1A/1, 84/1A/2 village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra by M/s Vilas Javdekar Eco Developers Pvt. Ltd.

**Ref.:** Environmental Clearance No. SE/IAA-EC-0000000333 dated - 2 June, 2018

Dear Sir,

This is in reference to the requirement stated in the Environmental Clearance No. SE/IAA-EC-0000000333 dated - 2 June, 2018 for our above mentioned Residential and Commercial Development Project "Palladio" located at Survey No. 84/1A/1, 84/1A/2, Village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra by M/s Vilas Javdekar Eco Developers Pvt. Ltd.

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,

*Ketakee*  
for

For, M/s Vilas Javdekar Eco Developers Pvt. Ltd.

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



*Res*  
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 Eco Developers Pvt. Ltd

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**SIX MONTHLY COMPLIANCE REPORT**

**OF**

**RESIDENTIAL & COMMERCIAL PROJECT**

**“PALLADIO”**

**AT**

**SURVEY NO. 84/1A/1, 84/1A/2 VILLAGE**  
**TATHAWADE,**  
**TAL. MULSHI, DIST. PUNE, MAHARASHTRA**

**OF**

**M/S VILAS JAVDEKAR ECO DEVELOPERS**  
**PVT. LTD.**

**FOR**

**JULY 2022 TO DECEMBER 2022**

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## Section 1: 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 2nd June, 2018 (**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 Developers Pvt. Ltd. proposing 'Palladio' at Survey No. 84/1A/1, 84/1A/2 village Tathawade, Tal. Mulshi, 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	:	<b>SEAC-EC-000000333 dated – 2 June, 2018</b>
2.	Location	:	Survey No. 84/1A/1, 84/1A/2 village Tathawade, Tal. Mulshi, 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 Developers Pvt. Ltd. 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)	:	16,000.00 m <sup>2</sup>
	Net Plot Area	:	14,558.75 m <sup>2</sup>
	Construction BUA (FSI + Non FSI)	:	60,050.18 m <sup>2</sup>

No. of buildings	<b>Total Nos. of Buildings = 7 Nos.</b> Existing construction consists of Building B – P+12 Building C – P+12 Building D – P+12 Building A – P+12 Building E – B+G.LP+G.UP+21 EWS building – P+8 15 shops
No. of Tenants & Shops	Residential Flats: 375 nos. Shops : 15 nos.
Expected No. of residents/users	From residential buildings: 1875 From Shops: 225 Total : 2100
Domestic Water Requirement	173 m <sup>3</sup> /day
Recycled Water Requirement (For Flushing & Landscaping)	Flushing : 90 m <sup>3</sup> /day Landscaping : 15 m <sup>3</sup> /day
Sewage Generation	From residential buildings : 236.40 m <sup>3</sup> /day
No. & Capacity of STP	For residential buildings : 240 m <sup>3</sup> /day , 30 m <sup>3</sup> /day
Solid Waste Generation	Non Bio-degradable Waste : 439 kg/day Bio-degradable Waste : 606 kg/day STP Sludge : 52.8 kg/day
Energy Demand	Maximum Demand : 1067.54 KW Connected Load : 2326.09 KW  DG set: 62.5 KVA – 4 nos. (for buildings A, B, C & D) 180 KVA – 1 nos. (for building E) 100 KVA - 1 nos. (for commercial building) 160 KVA - 1 nos. (for common areas incl. STP, OWC, landscape lighting, club house, UGT pumps etc.)
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
7.	<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. 130 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	Yet to finalise.
	(f) Actual expenditure incurred on the environmental management plans so far	Capital Cost - Rs. 258 Lakhs. O & M Cost – 33 Lakhs/Annum
8.	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
	© 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
9.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information .	No. of trees to be transplanted= 0 nos. Additional compensatory trees for transplantation in ratio 1:3= 0 nos.
10.	Status of construction	As attached
	a) Date of commencement (Actual and/or planned)	Building B , C & D : 25.10.2011 A & E building & Shops : 23.07.2018
	b) Date of completion (Actual and/or planned)	Building B & D – 01.11.2014 Building C – 13.08.2014  Building A, E & Shops : 31.12.2021

11.	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 – SEIAA-EC-0000000333</b>  <b>CTE: BO/RO-HQ/CC- 1812000339 Dated- 05/12/2018</b>  (Attached as <b>Annexure 4</b>)</p> <p><b>CTO : BO /JD(WPC)/UAN-083051/CO /CC- 2002001205 Dated-26/02/2020</b>  (Attached as <b>Annexure 5</b>)</p>

### Section 3: Present Site Conditions

Sr. No.	Building Component	Current status of Work
1	Building A	100% completed
2	Building E	100% completed
3	Building B,C,D	100% completed
4	Commercial	100% completed

### Section 4: Post Environment Clearance Compliance Report

The proposal has been considered by SEIAA in its 130<sup>th</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 Condition	Compliance Status
i	PP to upload site specific EMP/DMP On website.	Condition is noted and complied. Uploaded on website on 18.05.2018
ii	PP to explore to increase tree species and plant more	Condition is noted and



	local species trees.	complied. Revised tree plantation list along with landscape layout is uploaded on site on 21.05.2018
iii	PP to provide separate OWC for EWS building.	Condition is noted and shall be complied.
iv	PP to upload NOC/undertaking for sewer line connectivity.	Condition Noted & will be complied.
<b>General Condition</b>		
i	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	We will dispose E-waste through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
ii.	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.	Condition is noted.
iii.	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily imply that Forestry & Wild life clearance granted to the project which will be considered separately on merit.	No NOC is required from the Forestry & Wildlife board as there is no forest land in the vicinity.
iv.	PP has to abide by the conditions stipulated by SEAC & SEIAA.	We will abide by the conditions stipulated by SEAC & SEIAA.
v.	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.	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.
vi.	If applicable Consent for Establishment shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start	'Consent for Establishment' was obtained from Maharashtra Pollution Control Board.

	of any construction work at the site.	Copy of same is attached as <b>Annexure 4</b> and 'Consent for Operate' was obtained from Maharashtra Pollution Control Board. Copy of same is attached as <b>Annexure 5.</b>
vii.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase	Sanitary facilities such as toilets for ladies and Gents were provided on site.
viii.	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 provided for labourers on site, Waste water generated is disposed of through urinals connected with septic tank
ix.	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 be segregated and recyclable material was sold to recyclers and inert material will be used for site leveling.
x.	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. Most of it was reused for construction activity and surplus was disposed off safely at approved sites with prior approval of competent authority.
xi.	Arrangement shall be made that waste water and storm water do not get mixed.	Waste water will be treated in STP & excess treated water will be Connected to Municipal sewer drain. Maximum storm water will be recharged through recharge pits and excess storm water will be drain through municipal storm water line. Hence, we ensure that waste water and storm water will not get mixed.

xii.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Yes we had used excavated topsoil for horticulture/ landscape.
xiii.	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.	We will use top soil for landscape development.
xiv.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	We will provide green belt around the periphery as per CPCB guidelines and maintain it.
xv.	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 testing was done, according to reports all the parameters are within limit and so there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
xvi.	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	We are taking proper measures to during construction activity to avoid contamination of water courses.
xvii.	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.	Paint & used oil would be generated at site which will be disposed through MPCB authorized vendors.
xviii.	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.	Yes we have used low sulphur diesel type DG during construction phase
xix.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken	We are using DG set only in case of power failure and hence not much diesel is being stored at site.
xx.	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.	PUC checked vehicles were only allowed on site for transfer of material.

xxi.	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.	Care has been taken to maintain the noise level within limits at site. Construction activities are limited to daytime only. Noise shields provided for heavy construction equipment's. PPE provided to labors
xxii.	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).	NA as site is away from Thermal Power Stations.
xxiii.	Ready mixed concrete must be used in building construction.	Yes we had used Ready mixed concrete in construction.
xxiv	Storm water control and its re-use as per CGWB and BIS standards for various applications.	RWH pits provided for the same.
xxv	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Suggested measures were practiced during construction.
xxvi	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Condition is noted.
xxvii	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated affluent, 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.	The treated sewage is used for flushing & gardening purpose. Discharge of unused treated affluent shall conform to the norms of MPCB.

xxviii	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.
xxix	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 is provided in buildings.
xxx	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.
xxxi	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.	Condition is noted
xxxii	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Condition is noted
xxxiii	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.	Condition is noted. We will adopt energy conservation measures
xxxiv	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.	DG sets are provided with silencer and acoustic enclosures. Stack provided as per MPCB norms.

xxxv	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.	Yes we are maintaining noise level as per standards norms.
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.	Parking is fully internalized. No public space is utilized.
xxxvii	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.	Opaque wall shall meet prescriptive requirement as per Energy Conservation Building Code
xxxviii	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Adequate distance have been provided between buildings for the moment of fresh air.
xxxix	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.	Dedicated site engineer and supervisory staff is appointed to take care of the monitoring and overall implementation.
XL	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.	Construction was started after obtaining environmental clearance (EC). The copy of EC letter is attached as <b>Annexure-2</b> .
XLI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	RO shifted to Nagpur hence we are now submitting to the Nagpur.
XLII	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.	Condition is Noted.

XLIII	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.	Wet Garbage is converted to compost through Organic Waste Converter and generated manure is used for gardening.
XLIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Condition is noted
XLV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Condition is noted
XLVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	In case we are crossing BUA given in the EC we will take prior revised EC.
XLVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Separate environment management cell and separate EMP Account will be formed by registration of society.
XLVIII	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These costs shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	Separate funds have been allocated for implementation of environmental protection measures/EMP is attached as <b>Annexure 3.</b>
XLIX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a> .	Condition is Noted. Attached as <b>Annexure 6.</b>
L	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 & 1st December of each calendar year.	New norms as per RO being followed.

LI	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.	Condition is Noted.
LII	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.	Condition is Noted.
LIII	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.	Condition is Noted.
LIV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	We will submit Form V for each financial year.
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	Condition is noted.



	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 Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	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.	Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&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 Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Condition is noted.

**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, Potassium 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.



सत्यमेव जयते

## STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: June 2, 2018

To,  
**Mr. Sarvesh Vilas Javdekar**  
at S. No. 84/1A/1, 84/1A/2, village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra, Pin code- 411033

**Subject:** Environment Clearance for Proposed Residential & Commercial project  
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 64th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 130th meetings.

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

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

1.Name of Project	Palladio
2.Type of institution	Green Building
3.Name of Project Proponent	Mr. Sarvesh Vilas Javdekar
4.Name of Consultant	Green Circle Inc.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 84/1A/1, 84/1A/2, village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra, Pin code- 411033
9.Taluka	Mulshi
10.Village	Tathawade
Correspondence Name:	Mr. Sarvesh Javdekar, M/s Vilas Javdekar Eco Developers Pvt. Ltd.
Room Number:	306
Floor:	3rd floor
Building Name:	Siddharth Towers
Road/Street Name:	Sangam Press Road
Locality:	Near Karishma Housing Society
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD obtained IOD/IOA/Concession/Plan Approval Number: BP/Env./Tathawade/04/2017 dated 17/11/2017 Approved Built-up Area: 60050.18
13.Note on the initiated work (If applicable)	We had earlier applied for Environment Clearance to SEAC III. But as per MoM 2nd SEAC meeting dated 12.12.2013, the case was closed since the total BUA is below 20,000 sq.m. Currently 3 residential buildings (B,C & D) are constructed on site covering total BUA of 19326.93 sq.m. The project has received Final GRIHA 4 star certification .
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	16000
16.Deductions	1441.25
17.Net Plot area	14558.75

SEIAA Meeting No: 130 Meeting Date: June 1, 2018 ( SEIAA-STATEMENT-000000812 )  
SEIAA-MINUTES-000000468  
SEIAA-EC-000000333

Shri Satish.M.Gavai (Member Secretary SEIAA)

18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 27743.94
	Non FSI area (sq. m.): 32306.24
	Total BUA area (sq. m.): 60050.18
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2686.90
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.45
21.Estimated cost of the project	1300000000



# Government of Maharashtra

## 22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

## 23. Total Water Requirement

<b>Dry season:</b>	Source of water	Pimpri-Chinchwad Municipal Corporation (PCMC)
	Fresh water (CMD):	173
	Recycled water - Flushing (CMD):	90
	Recycled water - Gardening (CMD):	15
	Swimming pool make up (Cum):	3
	<b>Total Water Requirement (CMD) :</b>	<b>281</b>
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	130
	Excess treated water	132
<b>Wet season:</b>	Source of water	Pimpri-Chinchwad Municipal Corporation (PCMC)
	Fresh water (CMD):	173
	Recycled water - Flushing (CMD):	90
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3
	<b>Total Water Requirement (CMD) :</b>	<b>266</b>
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	130
	Excess treated water	147
<b>Details of Swimming pool (If any)</b>	Size 7.10x13.30x1.20m., Total water requirement= 113 m3 Daily make-up water requirement @3% losses= 3 m3	

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## 24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	93	188	281	0	3	3	84	152.4	236.4
Gardening	7	8	15	0	0	0	0	0	0
Fresh water requirement	62	111	173	0	0	0	0	0	0

<b>25.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Pre Monsoon 7-8 m BGL, Post Monsoon 3-4 m BGL
	<b>Size and no of RWH tank(s) and Quantity:</b>	01-nos. tank- 270 cu.m.
	<b>Location of the RWH tank(s):</b>	South-east side of plot
	<b>Quantity of recharge pits:</b>	4 Nos.
	<b>Size of recharge pits :</b>	5 X 3 X 2 m.
	<b>Budgetary allocation (Capital cost) :</b>	1000000
	<b>Budgetary allocation (O &amp; M cost) :</b>	100000
	<b>Details of UGT tanks if any :</b>	Tank 1= For Buildings B & C= 93.15 cu.m., Tank 2= For Buildings A, D & Fire= 294.1 cu.m., Tank 3= For Buildings E, commercial & EWS= 480.22 cu.m.

<b>26.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	From West to East
	<b>Quantity of storm water:</b>	629.2 cu.m./hr
	<b>Size of SWD:</b>	450 mm.

<b>27.Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	236.40
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	02 Nos. STP- 240 cu.m./day + 30 cu.m./day
	<b>Location &amp; area of the STP:</b>	South-east side of plot, area 195.00 sq.m.
	<b>Budgetary allocation (Capital cost):</b>	9000000
	<b>Budgetary allocation (O &amp; M cost):</b>	1200000



## 28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste will be generated from the building, mainly comprising of waste concrete, excavated soil, broken bricks, waste plaster, metallic scrap etc. Debris chute will be used to channelize the waste from the building to the point of pick up on ground.
	Disposal of the construction waste debris:	Construction debris will be used for base preparation of road and for site leveling. Dry waste will be handed over to PCMC Ghantagaadi.
Waste generation in the operation Phase:	Dry waste:	439 kg/day
	Wet waste:	606 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	5.17 cu.m./day
	Others if any:	52.8 kg/day dry sludge
Mode of Disposal of waste:	Dry waste:	PCMC Ghantagaadi/ SWACH
	Wet waste:	Organic Waste Composter
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as Manure for landscaping
	Others if any:	Not Applicable
Area requirement:	Location(s):	South-east side of plot
	Area for the storage of waste & other material:	15 sq.m.
	Area for machinery:	42.31-sq.m.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2000000
	O & M cost:	300000

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## 29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	7.6	7.5	5.5-9.0
2	Suspended Solids	mg/l	200	20	<50
3	3 days BOD @ 27degC	mg/l	250	10	<30
4	COD	mg/l	300	75	<100
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			



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### 30. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 31. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Building A- 62.5 KVA DG set	HSD	1	40	0.1	450 deg C
2	Building B- 62.5 KVA DG set	HSD	2	40	0.1	450 deg C
3	Building C- 62.5 KVA DG set	HSD	3	40	0.1	450 deg C
4	Building D- 62.5 KVA DG set	HSD	4	40	0.1	450 deg C
5	Building E- 180 KVA DG set	HSD	5	70	0.125	450 deg C
6	Commercial Building- 100 KVA DG set	HSD	6	3	0.1	450 deg C
7	Common Area- STP, street lights etc.- 160 KVA DG set	HSD	7	3	0.125	450 deg C

### 32. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not Applicable	Not applicable	Not applicable	Not applicable

Source of Fuel

Not applicable

Mode of Transportation of fuel to site

Not applicable

### 33. Energy

<b>Power requirement:</b>	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	78.25 KW
	DG set as Power back-up during construction phase	01 nos. X 125 KVA
	During Operation phase (Connected load):	2326.09 KW
	During Operation phase (Demand load):	1067.54 KW
	Transformer:	02 nos. X 630 KVA, 01 nos. X 315 KVA
	DG set as Power back-up during operation phase:	04 nos. X 62.5 KVA, 01 nos. X 180 KVA, 01 nos. X 100 KVA, 01 nos. X 160 KVA
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	Not Applicable	

### 34. Energy saving by non-conventional method:



Solar Water Heating Systems @ 125 litres/apartment,  
Solar photo voltaic generation panels- 25 KW capacity,  
LED lights for common areas,  
Timer switches for street lights,  
Skylights for podium parking,  
Energy efficient pumps

### 36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving using Energy efficient LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area	44427.8 kWh/annum= 37.77%
2	Energy Saving using Automatic Timer operation Against Manual operation for External & Common Area Lighting	7689.33 kWh/annum= 33.33%
3	Energy Saving using Solar Water Heater Against Electrical water heater	193440 kWh/annum= 74.29%
4	Energy saving using Low Loss Transformer Against Conventional Transformer	11475.6 kWh/annum= 6.08%

### 37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Dust	Not applicable	Water sprinklers
Sewage	Not applicable	Sewage Treatment Plant
Solid waste	Not applicable	Organic Waste Composter
Vehicular	Not applicable	PUC check

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	7800000
	<b>O &amp; M cost:</b>	400000

### 38.Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for dust suppression	Sprinklers system	200000
2	Site sanitation, disinfection & safety	Mobile toilets, fumigation, Personal protective equipments	1000000
3	Environment monitoring	Air, noise, water & soil	200000
4	Health checkup	Hospital	200000
5	Environment Management Cell	Formation of cell	400000

#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	04 nos. of recharge pits & Rain water harvesting tank of 270 cu.m.	1000000	100000
2	Sewage Treatment Plant	240 KLD + 30 KLD STP	9000000	1200000
3	Organic Waste Composter	606 kg/ day	2000000	300000
4	Tree plantation	207 nos. of trees	1000000	300000
5	Energy Conservation	Solar water heating systems, Solar photo voltaic generation	7800000	400000
6	Environment Management Cell	Comprising of society & technical staff	0	100000



7	Basement ventilation	Exhaust fans	5000000	500000
8	Environment Monitoring	Air, noise, water & soil	0	40

### 39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40.Any Other Information

No Information Available



# Government of Maharashtra

	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not Applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not Applicable
	<b>Category as per schedule of EIA Notification sheet</b>	B(b)
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	The project has obtained Final GRIHA 4-star certification & is a certified Green Building Project
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	

**3. The proposal has been considered by SEIAA in its 130th 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:**

**Specific Conditions:**

<b>I</b>	PP to upload site specific EMP/DMP On website.
<b>II</b>	PP to explore to increase tree species and plant more local species trees.
<b>III</b>	PP to provide separate OWC for EWS building.
<b>IV</b>	PP to upload NOC undertaking for sewer line connectivity.

**General Conditions:**

<b>I</b>	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
<b>II</b>	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.
<b>III</b>	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.
<b>IV</b>	PP has to abide by the conditions stipulated by SEAC & SEIAA.
<b>V</b>	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.
<b>VI</b>	If applicable Consent for Establishment shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
<b>VII</b>	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
<b>VIII</b>	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.
<b>IX</b>	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.
<b>X</b>	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.
<b>XI</b>	Arrangement shall be made that waste water and storm water do not get mixed.
<b>XII</b>	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
<b>XIII</b>	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.
<b>XIV</b>	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.



XV	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.
XVI	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.
XVII	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.
XVIII	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.
XIX	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
XX	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.
XXI	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.
XXII	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).
XXIII	Ready mixed concrete must be used in building construction.
XXIV	Storm water control and its re-use as per CGWB and BIS standards for various applications.
XXV	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
XXVI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
XXVII	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
XXVIII	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.
XXIX	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
XXX	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.
XXXI	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.
XXXII	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
XXXIII	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.
XXXIV	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.
XXXV	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.
XXXVII	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.
XXXVIII	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
XXXIX	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.
XL	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.



XXI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
XXII	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.
XXIII	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.
XXIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
XXV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
XXVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
XXVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XXVIII	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.
XXIX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a> .
I	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
II	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.
III	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.
III	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.
LIV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

# Government of Maharashtra



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 Environment 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 as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th 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 Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Shri Satish.M.Gavai (Member Secretary SEIAA)

**Copy to:**

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE, CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD-MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER PUNE
10. MUNICIPAL COMMISSIONER SATARA
11. REGIONAL OFFICE MPCB PUNE
12. REGIONAL OFFICE MIDC PUNE
13. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
14. COLLECTOR OFFICE PUNE
15. COLLECTOR OFFICE SATARA
16. COLLECTOR OFFICE SOLAPUR

Government of  
Maharashtra

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

<b>Sr. No.</b>	<b>Parameter</b>	<b>Total cost in Lakhs</b>
1	Water and dust Suppression	2
2	Site Sanitation, Disinfection & Safety	10
3	Environmental Monitoring	2
4	Health Check up	2
5	Environment Management Cell	4
<b>Total Cost</b>		<b>20</b>

**During Operational 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	Rain Water Harvesting system	10.00	1.00
2	Sewage Treatment Plant	90.00	12.00
3	Organic waste composter	20.00	3.00
4	Tree Plantation	10.00	3.00
5	Energy Conservation	78.0	4.00
6	Environment Management Cell	0	1.00
7	Basement Ventilation	50.0	5.00
8	Environment Monitoring	0	4.00
<b>Total</b>		<b>258.00</b>	<b>33.00</b>



# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781  
/4037124/4035273  
Fax : 24044532/4024068 /4023516  
Email : rohq@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 /LSI

Consent order No: Format1.0/BO/RO-HQ/CC-18/2000339

Date-05/12/2018

To,

M/s. Vilas Javdekar Eco Developers Pvt. Ltd. "Palladio",  
84/1A/1, 84/1A/2, Thawade, Mulshi, Dist-Pune.

Subject: Consent to Establish (re-validation and expansion) for Residential cum commercial project under Red Category.

Ref :

1. Previous Consent to Establish granted vide no. BO/RO(HQ)/Pune/CE/CC-98 dated 25.5.2012.
2. Environmental Clearance granted vide no. SEIAA-EC-00000000333 dated 2.6.2018.
3. Minutes of Consent Committee meeting held on 4.10.2018.

Your application MPCB-CONSENT-0000043566 Dated: 27/2/2018

For: Consent to Establish (re-validation and expansion) for Residential cum commercial 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 Authorization under Rule 5 of the Hazardous and Other Wastes (M & TM) Rules, 2016 and Municipal Solid Waste (Management & Handling) Rule, 2000 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 up to commissioning of the project or 24.5.2022 whichever is earlier.
2. The proposed capital investment of the project is Rs. 130 Crs. (As per C.A. Certificate submitted by project proponent)
3. The Consent to Establish (re-validation and expansion) is valid for construction of Residential cum Commercial project by M/s. Vilas Javdekar Eco Developers Pvt. Ltd named as "Palladio", at 84/1A/1, 84/1A/2, Thawade, Mulshi, Dist-Pune on total plot area of 16000 sq.m. and total construction built up area 60050.18 sq. mtrs including utilities and services as per 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 (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	NIL	NA	NA
2.	Domestic effluent	246	As per Schedule -I	60% should be reused & recycled and remaining should be discharged in municipal sewer

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

Sr. No.	Description of stack/ source	Capacity	Number Of Stack	Standards to be achieved
1	DG Set 4 nos.	62.5 KVA	4	As Per Schedule -II
2	DG Set 1 nos.	180 KVA	1	As Per Schedule -II
3	DG Set 1 nos.	100 KVA	1	As Per Schedule -II
4	DG Set 1 nos.	160 KVA	1	As Per Schedule -II

6. Conditions under Solid Waste Management Rules, 2016:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Bio-degradable	606 Kg/Day	OWC	Use as Manure
2	Non-biodegradable	439 Kg/Day	Segregation	Segregate and Hand over to Local Body for recycling

7. Conditions under Hazardous & Other Waste (M & TM) Rules, 2016 for treatment and disposal of hazardous waste: Nil
8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. 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.
11. 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.
12. Project Component shall comply with the conditions stipulated in Environmental Clearance obtained vide no. SEIAA-EC-00000000333 dated 2.6.2018.

For and on behalf of the  
Maharashtra Pollution Control Board

(E. Ravendiran, IAS)  
Member Secretary

Received Consent fee of -

Amount(Rs.)	DD No.	DD Date	Drawn on
260000	MAHBH18062176531	03.03.2018	Bank of Maharashtra

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune-II -- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, 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 application, you have proposed to install Sewage Treatment Plant (STP) with the design capacity of 270 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.

Sr No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for PH
01	BOD (3 days 27oC )	10
02	Suspended Solids	50
03	COD	100

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) Project proponent shall install online monitoring system for monitoring of BOD, SS and flow parameters at the outlet of STP.
- 3) 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.
- 4) The water consumption is as under:

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Domestic purpose	278

## Schedule-II

### Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have installed the Air pollution control (APC) system and also erected 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 (4 x 62.5 KVA)	Acoustic enclosure	1.1 * each	Diesel	7	Lit/Hr	-	-
2	DG Set 180 KVA		2.7*					
3	DG Set 100 KVA		2*					
4	DG Set 160 KVA		2.6					

\* 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.
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).



**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 Establish	Rs. 10 lakh	15 Days	Towards compliance conditions stipulated in EC and C to E	Upto Commissioning of the project	Five years

Maharashtra Pollution Control Board



## Schedule-IV

### General Conditions:

- 1) The applicant should provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and should pay to the Board for the services rendered in this behalf.
- 2) The firm should 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 should be provided for collection of sewage effluents. Terminal manholes should be provided at the end of the collection system with arrangement for measuring the flow. No sewage should be admitted in the pipes/sewers downstream of the terminal manholes. No sewage should find its way other than in designed and provided collection system.
- 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) should 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 should 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) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set should be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant should comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 6) Solid Waste – The applicant should provide onsite municipal solid waste processing system & should comply with Solid Waste Management Rules, 2016 & E-Waste (M) Rules, 2016.
- 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 should submit official e-mail address and any change will be duly informed to the MPCB.
- 9) The firm should 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.
- 10) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**

## MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 24010437/24020781  
/24037124/24035273  
Fax : 24044532/24024068  
/24023516  
Email : [jdwater@mpcb.gov.in](mailto:jdwater@mpcb.gov.in)  
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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-083051/CO/CC-200200/205  
Date 26/02/2020

To,  
M/s. "Palladio" by Vilas Javdekar Eco Developers Pvt Ltd,  
84/1A/1, 84/1A/2, Tathawade, Tal: Maval, Dist: Pune.

Sub: Consent to Operate (Part-I) for Construction of Housing Project is granted under Red category.

- Ref: 1. Your Application vide UAN No. 083051 dt. 18/11/2019  
2. Consent to Establish granted vide no. Format 1.0/BO/RO-HQ/CC-1812000339 dt. 05/12/2018.  
3. Environmental Clearance obtained Vide SEIAA-EC-000000333 dt. 02/06/2018.  
4. Minutes of Consent Committee Meeting held on 13/01/2020

For: Consent to Operate (part-I) for Construction of Housing Projects 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:

- Consent to Operate (Part-I) is granted for period up to 30/04/2021.
- The proposed capital investment of the project is Rs. 126.00 Cr.  
(As per C.A certificate submitted by project proponent)

The Consent to Operate (Part-I) is valid for Construction of Housing Projects named as M/s. "Palladio" by Vilas Javdekar Eco Developers Pvt Ltd, 84/1A/1, 84/1A/2, Tathawade, Tal: Maval, Dist: Pune, for total plot area 16,000.00 Sqm & completed BUA area 57,947.57 Sqm out of total construction BUA 60,050.18 Sqm as per EC dt. 02/06/2018, including utilities and services. 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	228	As per Schedule -I	60% should be reused & recycled and remain should be discharged 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	62.5 KVA	4	As Per Schedule -I
2.	DG Set	180 KVA	1	As Per Schedule -II
3.	DG Set	100 KVA	1	As Per Schedule -II
4.	DG Set	160 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	562.9 Kg/Day	Organics waste Converter with composting facility / Biogas digester with composting facility	Used as Manure
2	Dry garbage	410.6 Kg/Day	-	Segregate and Hand over to Local Body for recycling
3	STP sludge	48.00 Kg/day	STP	Used as manure

6. Conditions under Hazardous and Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste; NIL.
7. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
9. 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.
10. 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.
11. Project Proponent shall install online monitoring systems for BOD, TSS and flow at the outlet of STP.
12. Project Proponent shall Operate and maintain Organic waste digester with composting facility or Biogas digester with composting facility.
13. The applicant should comply with the conditions stipulated in Environmental Clearance Obtained from SEIAA, Environment Department, Government of Maharashtra, dtd. 02/06/2018 for total plot area 16,000.00 Sqm & total construction BUA area 60,050.18 Sqm.

For and on behalf of the  
Maharashtra Pollution Control Board

(E. Ravikiran, IAS)  
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	Transaction. No.	Date	Drawn On
1	2,52,000/-	RBOM8223110213	21/11/2019	online

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pimpri Chinchwad they are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. 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 design capacity of 240.00 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.

Sl. No.	Parameter	Standard	Limit
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 into 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	258.00

- 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 (62.5 KVA)	Acoustic enclosure	2.00	Diesel	5.00	Lit/Hr	--	--
2.	DG Set (62.5 KVA)	Acoustic enclosure	2.00	Diesel	5.00	Lit/Hr	--	--
3.	DG Set (62.5 KVA)	Acoustic enclosure	2.00	Diesel	5.00	Lit/Hr	--	--
4.	DG Set (62.5 KVA)	Acoustic enclosure	2.00	Diesel	5.00	Lit/Hr	--	--
5.	DG Set (180 KVA)	Acoustic enclosure	2.68	Diesel	5.00	Lit/Hr	--	--
6.	DG Set (100 KVA)	Acoustic enclosure	2.00	Diesel	5.00	Lit/Hr	--	--
7.	DG Set (160KVA)	Acoustic enclosure	2.53	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> .
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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	30.09.2021

Maharashtra Pollution Control Board



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 Solid Waste Management Rules, 2016 and E-Waste (Management) Rules, 2016.
  - ) 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.
  - ) 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.
- 3) 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.
- 4) 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.
- 5) 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.
- 6) The treated sewage shall be disinfected using suitable disinfection method.
- 7) 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.
- 8) The applicant make an application for renewal of consent at least 60 days before the date of the expiry of the consent.

**PUBLIC NOTICE**

We, M/s. Vilas Javdekar Eco Developers Pvt. Ltd. hereby bring to the kind notice of general public that Environment Department, Government of Maharashtra has been issued Environmental Clearance for our proposed Residential and commercial Project located at S. No. 84/1A/1 and 84/1A/2 Village Tathwade, Taluka Mushi, Dist Pune, Maharashtra vide letter dated 2nd June, 2018 bearing file No. SEIAA-EC-000000333. The copies of the clearance letter are available with Maharashtra Pollution Control Board and may also be seen on the website of the Department of Environment, Government of Maharashtra at <http://www.ec.maharashtra.gov.in>

M/s. Vilas Javdekar  
Eco Developers Pvt. Ltd.

**Business Standard**

PUNE EDITION

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मी माहिती घेतली.  
अस दिला होता.  
बदवेबासी पोलिस  
ले. त्यावरून,

उपायुक्त दिपक  
मार्गदर्शनाखाली  
ठाण्याचे वरिष्ठ  
लाद गायकवाड,  
गोप शिंदे, कर्मचारी  
मुलांडे, गणेश  
की भित्ते, आदर्श  
मी शेख, प्रशांत  
श पाटील यांच्या  
स केला.

## बस

गलेले असतात.  
परतीचा प्रवास  
रुम-डबलतर्फे यंदा  
घर्मशाळा अशा  
च्या कल्पने देणार

हाय चौकशी कर  
र आहेत. तसेच  
सीटीव्ही कॅमेरे

पर जादा बस  
नीराम मिठीर येथे  
ला जाण्यासाठी  
सोडण्यात येणार  
मार्गावर प्रवाशांची  
पुंडरसूटून सात  
या विठ्ठल सहकारी  
बसस्थानकावर  
सत येणार आहेत.

आहे.

### जाहीर सूचना

आम्ही, मॅ. विलास जायदेकर इको  
डेव्हलपर्स प्रा. लि. सर्वसाधारण जनतेस  
कळवू इच्छितो की, महाराष्ट्र शासनाच्या  
पर्यावरण विभागाने आमच्या सर्व्हे नं.  
८४/१अ/१ व ८४/१अ/२, हायव्हॉई,  
मुळशी, जिल्हा पुणे, महाराष्ट्र येथील  
निवासी व व्यावसायिक प्रकल्पासाठी विविध  
०२.०६.२०१८ रोजी, प्र.क्र. SEIAA-  
EC-0000000333 अन्वये पर्यावरणाच्या  
दृष्टीकोनातून मान्यता दिली आहे. सध्या  
मान्यतापत्राची प्रत महाराष्ट्र प्रदूषण नियंत्रण  
मंडळाच्या कार्यालयामध्ये तसेच पर्यावरण  
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३०६, सिद्धार्थ टॉवर्स, संगम प्रेस रोड,  
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CIN : U70102PN2011PTC139677

### जाहीर सूचना

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सर्वसाधारण जनतेस कळवू इच्छितो की,  
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प्रकल्पासाठी विविध १४.०५.२०१८ रोजी  
प्र.क्र. SEIAA-EC-0000000300  
अन्वये पर्यावरणाच्या दृष्टीकोनातून मान्यता  
दिली आहे. सध्या मान्यतापत्राची प्रत  
महाराष्ट्र प्रदूषण नियंत्रण मंडळाच्या  
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Report No:- GCI/V/Lab/EM-SP/22-23/NOV-00/1059

Date: 29/11/2022

## ANALYSIS REPORT

Client details		Sample Details	
Name	PALLADIO by M/s Vilas Javdekar Eco Developers Pvt. Ltd.	Sample Code	GCI/V/22/K4/VJEDP/AA1
Address	Survey No. 84/1A/1, 84/1A/2 village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra	Location	NEAR SECURITY GATE
		Date of Sampling	22/11/2022
Sampling Done By	MR KARTIK	Date of Sample Received	23/11/2022
Analysis Starts On	23/11/2022	Sampling Instrument	RDS, FPS
Analysis Completion On	28/11/2022	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>	67.2	100	IS 5182 : Part 23 : 2006
2	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	48.7	60	NAAQS Guidelines
3	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	33.6	80	IS 5182 : Part 2 : 2001
4	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	22.5	80	IS 5182 : Part 6 : 2006
5	Carbon Monoxide CO	mg/m <sup>3</sup>	0.61	2.0	IS 5182 : Part 10 : 1999
6	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	20.5	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-00/1059

Date: 29/11/2022

## ANALYSIS REPORT

Client details		Sample Details	
Name	PALLADIO by M/s Vilas Javdekar Eco Developers Pvt. Ltd.	Sample Code	GCI/V/22/K4/VJEDP/AA2
Address	Survey No. 84/1A/1, 84/1A/2 village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra	Location	SOUTHWEST CORNER OF SITE
		Date of Sampling	22/11/2022
Sampling Done By	MR KARTIK	Date of Sample Received	23/11/2022
Analysis Starts On	23/11/2022	Sampling Instrument	RDS, FPS
Analysis Completion On	28/11/2022	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>	66.2	100	IS 5182 : Part 23 : 2006
2	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	44.8	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>	15.7	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>	13.5	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-00/1059

Date: 29/11/2022

## ANALYSIS REPORT

Client details		Sample Details	
Name	PALLADIO by M/s Vilas Javdekar Eco Developers Pvt. Ltd.	Sample Code	GCI/V/22/K4/VJEDP/AA3
Address	Survey No. 84/1A/1, 84/1A/2 village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra	Location	NORTHEAST CORNER OF SITE
		Date of Sampling	22/11/2022
Sampling Done By	MR KARTIK	Date of Sample Received	23/11/2022
Analysis Starts On	23/11/2022	Sampling Instrument	RDS, FPS
Analysis Completion On	28/11/2022	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>	55.1	100	IS 5182 : Part 23 : 2006
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	49.3	60	NAAQS Guidelines
3.	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	29.7	80	IS 5182 : Part 2 : 2001
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	15.1	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>	23.1	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-00/1059

Date: 29/11/2022

## ANALYSIS REPORT

Client Details		Sample Details	
Name	PALLADIO by M/s Vilas Javdekar Eco Developers Pvt. Ltd.	Sample Code	GCI/V/22/K4/VJEDP/N1-N3
Address	Survey No. 84/1 A/1, 84/1 A/2 village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra	Location	As per table
		Quantity	NA
		Date of Measurement	22/11/2022
		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)	59.6	55	42.5	45
2.	Southwest Corner of the Site	dB (A)	51.5	55	40.6	45
3.	Northeast Corner of the Site	dB (A)	46.9	55	38.1	45

**Limits:** Maharashtra pollution Control Board has prescribed 55 dB (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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Date: 29/11/2022

## ANALYSIS REPORT

Client Details		Sample Details	
Name	PALLADIO by M/s Vilas Javdekar Eco Developers Pvt. Ltd.	Sample Code	GCI/V/22/K4/VJEDP/S1
Address	Survey No. 84/1A/1, 84/1A/2 village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra	Location	SOIL – Project site
		Quantity	2.0 kg
Sampling Done By	MR KARTIK	Date of Sampling	22/11/2022
Analysis Starts on	23/11/2022		
Analysis Completion On	28/11/2022	Sample Received Date	23/11/2022

## SOIL ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Test Procedure
1	pH (1:5 Soil Suspension)	-	7.5	IS 2720 (Part 26):1987
2	Electrical Conductivity (1:5 Soil Suspension)	mS/cm	0.48	EPA Method 9045
3	Total Nitrogen as N	mg/kg	56.9	Kjeldahl Method
4	Phosphate as P	mg/kg	69.7	Olsen Method
5	Potassium as K	mg/kg	229	EPA 3050 B
6	Exchangeable Calcium as Ca	meq/100g	16.8	EPA 3050 B
7	Exchangeable Magnesium as Mg	meq/100g	18.5	EPA3050 B
8	Exchangeable Sodium as Na	meq/100g	0.83	EPA3050 B
9	Organic Matter	%	1.74	Walkey and Black Method
10	Texture	-	Sandy Clay	Robinson Pipette Method

BDL =Below Detectable Limit

DL =Detectable Limit



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Date: 29/11/2022

## ANALYSIS REPORT

Client Details		Sample Details	
Name	PALLADIO by M/s Vilas Javdekar Eco Developers Pvt. Ltd.	Sample Code	GCI/V/22/K4/VJEDP/DW1
Address	Survey No. 84/1A/1, 84/1A/2 village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra	Location	Municipal Water at Project Site
		Quantity	2000 ml
Sampling Done By	MR KARTIK	Date of Sampling	22/11/2022
Analysis Starts on	23/11/2022	Sampling Method	APHA 1060
Analysis Completion On	28/11/2022	Sample Received Date	23/11/2022

## 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	-	7.5	6.5-8.5	IS : 3025 Part 11- 1983 (Reaff:2002)
6	Total Dissolved Solids	mg/l	235	500	IS : 3025 Part 16-1984 (Reaff:2003)
7	Total Alkalinity as CaCO <sub>3</sub>	mg/l	99	200	IS : 3025 Part 23- 986(Reaff:2003)
8	Total Hardness as CaCO <sub>3</sub>	mg/l	85	200	IS : 3025 Part 21-2009
9	Calcium as Ca	mg/l	55	75	IS : 3025 Part 40-1991 (Reaff:2003)
10	Magnesium as Mg	mg/l	22	30	APHA 22nd EDITION-3500 Mg-B
11	Chloride as Cl <sup>-</sup>	mg/l	92	250	IS : 3025 Part 32-1988 (Reaff:2003)
12	Sulphate as SO <sub>4</sub>	mg/l	71	200	APHA 22nd EDN-4500- SO42- E
13	Nitrate as NO <sub>3</sub>	mg/l	32	45	APHA 22nd EDN -4500- NO3- B
14	Iron as Fe	mg/l	0.15	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	0.50	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)

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18	Copper as Cu	mg/l	BDL (<0.03)	0.05	IS:3025 Part 42 (Reaff:2003)
19	Zinc as Zn	mg/l	0.81	5.00	IS:3025 Part:49 (Reaff:2003)
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)

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Report No:- GCI/V/Lab/EM-SP/22-23/NOV-00/1059

Date: 29/11/2022

## ANALYSIS REPORT

Client Details		Sample Details	
Name	PALLADIO by M/s Vilas Javdekar Eco Developers Pvt. Ltd.	Sample Code	GCI/V/22/K4/VJEDP/WW1
Address	Survey No. 84/1A/1, 84/1A/2 village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra	Location	Outlet sample of STP
Sampling Done By	MR KARTIK	Date of Sampling	22/11/2022
Analysis Starts on	23/11/2022	Sampling Method	APHA 1060
Analysis Completion On	28/11/2022	Sample Received Date	23/11/2022

## TREATED WATER ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Concentration not to be exceeded	Reference Method
1	pH at 25 °C	-	7.2	6.5-9.0	IS 3025 (Part 11) (1983)
2	BOD (3 days @ 27°C)	Mg/l	9.6	10	IS 3025 part 44 (1993 Reaffirmed 2003)
3	Total Suspended Solids	Mg/l	8.8	<20	APHA 2540 D (22nd Edition)
4	COD	Mg/l	47	50	USEPA 410.4
5	Oil & Grease	Mg/l	5.9	NS	IS 3025 (Part 39) (1991)

BDL =Below Detectable Limit



Authorized Signatory

- Analysis is subject to the condition in which the sample is received at our Laboratory.
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- Sample will be retained till 15 days from the date of sampling.

CORP. OFFICE & R & D : Green Empire (Anupusham), Above AXIS Bank, Nr. Yash Complex, Gotri Main Road, Vadodara - 390 021 (Gujarat), INDIA.  
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: ALSO AT :  
NEW DELHI GOA PUNE BENGALURU U.K. HYDERABAD KOLKATA DHARWAD MUMBAI PORT BLAIR  
: OVERSEAS :  
AUSTRALIA OMAN KUWAIT AFRICA VIETNAM BANGLADESH MYANMAR SRI LANKA UAE



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Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(F. No. - 15018 / 06 / 2016 - CPW)  
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## ANALYSIS REPORT

Client Details		Sample Details	
Name	PALLADIO by M/s Vilas Javdekar Eco Developers Pvt. Ltd.	Sample Code	GCI/V/22/K4/VJEDP/M1
Address	Survey No. 84/1A/1, 84/1A/2 village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra	Location	Manure from OWC
Sampling Done By	MR KARTIK	Date of Sampling	22/11/2022
Analysis Starts on	23/11/2022		
Analysis Completion On	28/11/2022	Sample Received Date	23/11/2022

## 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		20.8	<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		21.7	>14.0	
7	Total Nitrogen as N	mg/kg	1.9	>0.8	Kjeldahl Method

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8	Phosphate as P	mg/kg	0.8	>0.4	Olsen Method
9	Potassium as K	mg/kg	0.6	>0.4	EPA 3050 B
10	C:N ratio		14.6	<20:1	
11	Particle Size		82 % pass through 4mm Sieve	Min 90% material pass through 4mm IS sieve	



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