

01.06.2024

To,  
The Additional Director(s),  
The Ministry of Environment & Forests & Climate Change (MoEF & CC)  
Regional Office (WCZ), Ground Floor,  
East Wing, New Secretariat Building,  
Civil Lines, Nagpur  
Maharashtra – Pin 440001

**Sub.:** Submission of Half Yearly Post EC Compliance Report for Period – **OCTOBER 2023 TO MARCH 2024**  
by email to [ecompliance-mh@gov.in](mailto:ecompliance-mh@gov.in)

**Ref.:** Environment Clearance vide Letter No. SIA/MH/MIS/50310/2019 dated 31<sup>ST</sup> March 2020 for Construction of Project of "M/s Joyville Shapoorji Housing Pvt. Ltd. – PLOT # 2" at S. No. 98/1(P), 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 at Village Mann, Taluka Mulshi, Dist.- Pune Maharashtra, Pin 411057.

Dear Sir,

Refer to mentioned subject line, herewith we are submitting **Half Yearly Post EC Compliance Report for OCTOBER 2023 TO MARCH 2024** Period for our project of "M/s Joyville Shapoorji Housing Pvt. Ltd. – PLOT # 2" at S. No. 98/1(P), 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 at Village Mann, Taluka Mulshi, Dist.- Pune Maharashtra, Pin 411057.

Kindly acknowledge the same.

Thanking You.

Yours Faithfully,

For Joyville Shapoorji Housing Pvt. Ltd.

Authorised Signatory



**ENCL:**

1. Part A – Current Status
2. Part B - Pointwise compliance status
3. Part C – Enclosures
4. Part D – Annexures

Hard Copy forwarded to

- 1) MPCB Regional Office, MUMBAI & PUNE SRO.

Joyville Shapoorji Housing Pvt. Ltd.,

**Head Office:** SP Center, 41/44, Minoo Desai Marg, Colaba, Mumbai - 400 005 | **Corporate Office:** Godrej Coliseum, Office No. 1201, 12th Floor, "B" Wing, Off K. J. Somaiya Hospital Road, Everard Nagar, Sion, Mumbai - 400 022, CIN: U70109MH2007PTC166942

**Site Address:** Off Maan Village Road, Near Phase 1, Hinjawadi, Pune – 411057. | **Website:** [www.joyvillehomes.com](http://www.joyvillehomes.com)

**Joyville**  
by **Shapoorji Pallonji**

MahaRERA Numbers: P52100024965 - Building B | P52100024963 - Building C. For details visit: <https://maharera.mahaonline.gov.in>

01.06.2024

To,

Maharashtra Pollution Control Board  
Kalpataru Point, 1st floor,  
Opp. PVR Theatre, Sion (E),  
Mumbai-400022, Maharashtra

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Kindly acknowledge the same.

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Yours Faithfully,

For Joyville Shapoorji Housing Pvt. Ltd.

Authorised Signatory



ENCL:

5. Part A – Current Status
6. Part B - Pointwise compliance status
7. Part C – Enclosures
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- 2) MPCB Regional Office, MUMBAI & PUNE SRO.

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**Head Office:** SP Center, 41/44, Minoo Desai Marg, Colaba, Mumbai - 400 005 | **Corporate Office:** Godrej Coliseum, Office No. 1201, 12th Floor, "B" Wing, Off K. J. Somaiya Hospital Road, Everard Nagar, Sion, Mumbai - 400 022, CIN: U70109MH2007PTC166942.

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MahaRERA Numbers: P52100024965 - Building B | P52100024963 - Building C. For details visit: <https://maharera.mahaonline.gov.in>

# **PART A**

## **CURRENT STATUS OF WORK**

## CURRENT STATUS OF WORK

Building Status	Status of the Environmental Management Facilities
<ul style="list-style-type: none"><li>Plot 2 No. of buildings Work in Progress: 9 Nos. of building in progress. Construction Planning Started in = November 2020 Completion by = November 2025</li></ul>	<ul style="list-style-type: none"><li>✓ STP of capacity 600 KLD is in progress</li><li>✓ RWH Recharge tank (1 No.) along with 10 Nos of RWH pits are in progress for harvesting Rain water</li><li>✓ OWC work in progress at site for converting wet waste in to manure for landscape use.</li></ul>



## **PART B**

### **POINT WISE COMPLIANCE STATUS**

### Compliance to the Conditions Recommended in EC

Sr. No	Conditions	Compliance
<b>Specific conditions</b>		
I.	PP to ensure that CER plan gets approved from Municipal Commissioner.	It is in process.
II.	PP shall comply with standard EC conditions mentioned in the office memorandum issued by MoEF & CC vide F.No. 22-34/2018-IA.III dt. 04.01.2019.	Noted and shall be complied
III.	SEIAA decide to grant Environment Clearance for- FSI area of 84784.53 m <sup>2</sup> , Non FSI area of 78074.89 m <sup>2</sup> and total BUA of 162859.42 m <sup>2</sup> (Plan Approval no- BMU/Mau. MANN/S NO 98 PAI AND OTHERS/C634/19-20 DATED 06.03.2020).	Noted
<b>General conditions</b>		
I.	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	Noted. Copy of MoU with SWaCH for handling & Management of non-biodegradable & e-waste is done
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.	Noted
III.	The 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.	Noted
IV.	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Noted and shall be complied
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.	Noted.
VI.	If applicable "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be	Noted. Consent to Establishment obtained on 02/09/2020.

	submitted to the Environment department before start of any construction work at the site.	
VII.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Noted and shall be complied.
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.	Noted and shall be complied. Total 48 Nos of Toilets, 50 KLD STP and 80 KLD wastewater treatment plant at site. The total municipal waste generated during construction phase will be segregated at source, collected and will be handed over to authorized vendor for further processing.
IX.	The solid waste generated should be properly collected and segregated. Dry/insert solid waste should be disposed of to the approved sites for landfilling after recovering recyclable material.	Waste which will be collected and transported to an interim transfer station where biodegradable waste will be treated (composting) by modular composter and non-biodegradable waste will be handed over to authorized vendor for further processing.
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.	Muck generated is used for site leveling and filling low-lying areas.
XI.	Arrangement shall be made that waste water and storm water do not get mixed.	Noted and shall be complied.
XII.	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Noted and shall be complied. All the topsoil excavated during construction activities will be used in horticulture/landscape development within the project site.

XIII.	Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	Noted and shall be complied.
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.	Noted and shall be complied.
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.	Being Complied. Soil and Ground water analysis reports are enclosed as Annexure-I.
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.	Noted and shall be complied.
XVII.	Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Hazardous waste, if any generated, and then it will be disposed as per applicable rules and norms with necessary approvals of the Maharashtra State Pollution Control Board.
XVIII.	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environmental (Protection) Rules prescribed for air and noise emission standards.	Noted and shall be complied. DG sets are operated only during power cuts and as such, requirement of diesel is quietless
XIX.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	Noted and shall be complied.
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.	Complied with.
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.	Complied with. Monitoring reports of ambient noise and air are enclosed as Annexure.
XXII.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash	Noted and shall be complied.

	Notification of September 1999 and amended as on 27 <sup>th</sup> August, 2003. (The above condition is applicable only if the project site is located within the 100 Km of Thermal Power Stations).	
XXIII.	Ready mixed concrete must be used in building construction.	Complied with.
XXIV.	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Noted and shall be complied.
XXV.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Noted
XXVI.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.3	Noted and shall be complied.
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% greywater by decentralized treatment should be done. Necessary measures should be made to mitigate the odor problem from STP.	Noted and shall be complied.
XXVIII.	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction of the project.	Noted and shall be complied.
XXIX.	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Noted and shall be complied.
XXX.	Fixture for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Noted and shall be complied.
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.	Noted and shall be complied.
XXXII.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.	Noted and shall be complied.
XXXIII.	Energy conservation measures like installation of CFLs / TFLs for the lighting the areas outside the buildings should be integral part of the project design and should be in place before project	Noted and shall be complied.

	commissioning. Use CFLs and TFLs should be properly collected and disposed of/sent for recycling as per the availing guidelines/rules of the regulatory authority to avoid solar street light, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy 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.	Noted and shall be complied.
XXXV.	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night-time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noted and shall be complied.
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.	Noted and shall be complied.
XXXVI I.	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- conditioner spaces by use of appropriate thermal insulation material to fulfil requirement.	Noted and shall be complied.
XXXVI II	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Noted
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.	Regular supervision of safety and other measures for monitoring during construction phase is carried out.
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.	Noted and shall be complied.
XLI.	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	Noted and shall be complied



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 Para2. Prior certification from appropriate authority shall be obtained.	Noted and shall be complied
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.	Noted and shall be complied
XLIV.	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Noted
XLV.	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Noted and shall be complied
XLVI.	In the case of any changes(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Noted
XLVII.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Noted
XLVIII.	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 purpose and year-wise expenditure should reported to the MPCB & this department.	Noted and shall be complied
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 Marathilanguage of the local concerned within seven days of issue of this letter, informing that the project has beenaccorded environmental clearance and copies of clearance letter are available with the MaharashtraPollution Control Board and may also be seen at Website at <a href="http://parivesh.nic.in">http://parivesh.nic.in</a>	Complied with. Attached as Annexure.
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 & 1 <sup>st</sup> December of each calendar year.	Noted and shall be complied

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.	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> , Nox (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Noted and shall be complied
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.	Noted and shall be complied
LIV.	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall be sent to the respective Regional Office of MoEF by e-mail.	Agreed with.
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.	Noted
5.	In case submission of false document and non-compliance of stipulated conditions, Authority/Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Noted
6.	The Environment department reserves its right to add any stringent conditions or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter for any other administration	Noted.

	reason.	
7.	<b>Validity of environmental clearance:</b> The environmental Clearance accorded shall be valid as per EIA Notification 2006, amended from time to time.	Noted
8.	In case any deviation or alteration in the project proposed from those submitted to the department for clearance, a fresh reference should be made to the department to assess adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.	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.	Noted
10.	Any appeal against this environment Clearance shall lie with the National Environmental Appellate Authority-if preferred within 30 days as prescribed under Section 11 of the National Environmental Appellate Act, 1997.	Noted & agreed.

Please find all the above mentioned in order and kindly acknowledge the receipt of

the same. Thanking you,

Yours Sincerely,

**For M/s. Joyville Shapoorji Housing Pvt. Ltd.**

## PART C

Sr. No	Particulars
I.	Data Sheet
II	EMP Costing Details
II.	EC Letter
III.	Consent to Establish
IV.	PMRDA Commencement Certificate

**Monitoring the Implementation of Environmental Safeguards Ministry of environmental & Forest, Western Region, Regional Office, Bhopal Monitoring Report**

**PART – I  
DATA SHEET**

No.	Particular	Information
1.	<b>Project type:</b> River Valley / Mining / Industry / Thermal / Nuclear / Others (specify)	Township and Area Development.
2.	<b>Name of the Project</b>	Proposed Joyvile Hinjewadi Plot-2 (Group Housing project) on plot bearing S. No. 98/1(P), 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 at Village name- Mann, Tal. Mulshi, Dist.Pune, Maharashtra by M/s. Joyvile Shapoorji Housing Pvt. Ltd.
3.	<b>Clearance letter (s) / OM No. and date</b>	Application No. SIA/MH/MIS/50310/2019.
4.	<b>Location</b>	Village name- Mann, Tal. Mulshi, Dist. Pune.
	a) District (s)	
	b) State (s)	Maharashtra
	c) Location latitude / longitude	Latitude: 18°34'2.21" N Longitude: 73°43'14.34" E.
5.	<b>Address for Correspondence</b>	
	a) Address of the Concerned Project Chief Engineer (with Pin code & Telephone / Telex / Fax Numbers)	Mr. Jitesh Bonde Joyville Shapoorji Housing Pvt. Ltd. Unit No-1201, Wing-B, 12 <sup>th</sup> floor, Godrej Coliseum, Sion, Mumbai- 400022 <a href="mailto:Jitesh.bonde@shapoorji.com">Jitesh.bonde@shapoorji.com</a> 9167645170
6.	<b>Salient features of the Project</b>	
	a) Of the project	<b>Location of the project:</b> Village name- Mann, Tal. Mulshi, Dist.Pune, Maharashtra. <b>Total Plot Area:</b> 37,832.47 sq.m. <b>Total FSI:</b> 84,784.53 sq.m. <b>Total Non-FSI:</b> 78,074.89 sq.m. <b>Total Built-up area:</b> 1,62,859.42 sq.m.  <b>Water requirement:</b> <ul style="list-style-type: none"> <li>Domestic water: 524 KLD.</li> <li>Recycled Water: 266 KLD.</li> </ul>

		<ul style="list-style-type: none"> <li>• Gardening: 100 KLD.</li> <li>• Swimming Pool: 10 KLD.</li> <li>• Total: 900 KLD.</li> </ul> <p><b>Source:</b> Gram Panchayat.</p> <p><b>Power Requirement:</b>  <b>Construction phase</b> – 401.62 kw.  <b>Operation Phase (Connected Load):</b> 3654.90kw.  <b>Operation Phase (Demand Load):</b> 2436.53 kw.  <b>Source:</b> MSEDCL.  <b>DG sets as power back up during Operation Phase:</b> 2 Nos. of DG sets of capacity 500 kVA.</p> <p><b>RG Area:</b>  On Ground: 5280.58 sq.m.  On Podium: 4500.9 sq.m.</p> <p><b>Energy Efficiency:</b>  Total Energy: 22%. By  Solar Energy: 16%.</p> <p><b>Parking 4W &amp; 2W:</b></p> <table border="1"> <tr> <td>4W</td><td>2W</td><td>Bicycle</td></tr> <tr> <td>996</td><td>1158</td><td>1158</td></tr> </table> <p><b>Rain water harvesting:</b>  1 No. of RWH tank of capacity 55 KL  Provision of 10 Nos. of recharge pits.</p>	4W	2W	Bicycle	996	1158	1158
4W	2W	Bicycle						
996	1158	1158						
7.	<b>Breakup of the Project Area</b> a) Submergence area: forest & non forest b) Others	NA  <b>Total Plot Area:</b> 37,832.47 sq.m. <b>Total FSI:</b> 84,784.53 sq.m. <b>Total Non-FSI:</b> 78,074.89 sq.m. <b>Total Built-up area:</b> 1, 62,859.42 sq.m.						
8.	<b>Breakup of the project affected population</b> with the enumeration of those losing Houses / Dwelling units only, Agricultural Land & Landless Laborers / Artisans: a) SC, ST / Adivasi b) Others (please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey	NA  NA						



	is carried out give details & year of survey)				
9.	<b>Financial Details:</b>	Rs. 536 Cr. As per EC.			
a)	Project cost as originally planned and subsequent revised estimates and the year of price reference				
b)	Allocation made for environmental management plans with item wise and year wise breakup	<b>Construction phase:</b>			
		<b>Sr. No.</b>	<b>Type</b>	<b>Details</b>	<b>Total Cost</b>
		1.	Dust pollution	Water spray for dust suppression	3.00
		2.	EHS	Site sanitation and Potable Water Supply to Labour	4.00
		3.	Environment monitoring	Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories)	10.00
		4.	EHS	Health check-up & first aid	1.00
		5.	Safety	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	20.00
		6.	Traffic	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	5.00
		7.	Safety	Safety nets	3.5
		8.	SWD management	Storm water Management (SWD along plot boundary and Sedimentation Pits)	40.00
		9.	lift	Passenger lift	45.00
		10.	Maintenance	Tyre cleaning and Vehicle maintenance	0.75

		11.	Safety	Safety Training to Workers (Twice in Year), Safety Officer	1.00	
		12.	Sanitation	Disinfection	2.00	
		13.	Waste	Debris & construction waste	21.60	
		Total Cost			156.85	
		Operation phase:				
		Sr. No.	Compnent	Details	Capital (Rs. In Lacs)	O&M cost (lacs / year)
		1.	Storm Water		--	0.5
		2.	Sewage Treatment	MBBR Technology	74.00	9.00
		3.	Water Treatment	Water treatment plant	20.00	1.00
		4.	RWH	RWH tank	8.25	0.25
		5.	Recharge pits	10 nos. of recharge pits	5.00	0.50
		6.	Swimming Pool	--	15.00	1.00
		7.	Solid Waste	OWC (onsite treatment for biodegradable waste) Agreement with Swach (for handling & management of Non-biodegradable waste)	27.00	2.00
		8.	Hazardous Waste	--	--	--
		9.	E-waste	Agreement with Swach (for handling & management of E- waste)	1.00	--
		10.	Green belt development	--	773.25	1.98

		11.	Energy saving	Solar PV Cells, Solar panels	160.00	2.00
		12.	Environmental Monitoring	Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories)	3.00	--
		13	Disaster Management	--	874.02	25.15
		<b>Total Cost</b>			<b>1960.52</b>	<b>43.38</b>
c)	Benefit cost ratio / Internal rate of Return and the year of assessment					
d)	Whether (c) includes the cost of environmental management as shown in the above	Yes				
e)	Actual expenditure incurred on the project so far					
f)	Actual expenditure incurred on the environmental management plans so far					
10.	<b>Forest Land Requirement</b>	NA				
a)	The status of approval for diversion of forest land for non-forestry use	NA				
b)	The status of clearing felling					
c)	The status of compensatory afforestation, if any Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far					
11.	<b>The status of clear felling</b> in non-forest areas (such as submergence area or reservoir, approach roads.), if any with quantitative information required.	NA				
12.	<b>Status of construction</b> (Actual and/or planned)	1. Tower-A :- Terrace slab completed. 2. Tower-B :- Terrace slab completed. 3. Tower-C :- Terrace slab completed. 4. Tower-D :- Terrace slab completed. 5. Tower-E :- Terrace slab completed. 6. Tower-F :- 18 <sup>th</sup> slab completed. 7. Tower-G :- 17 <sup>th</sup> slab in progress. 8. Tower-H :- 1 <sup>st</sup> slab in progress. 9. Tower-I :- 1 <sup>st</sup> slab in progress.				

a)	<b>Date of commencement (Actual &amp; / or planned)</b>	1 <sup>st</sup> November 2020
b)	<b>Date of completion (Actual &amp;/or planned)</b>	December 2025
13.	<b>Reasons for the delay</b> if the project is yet to start	--
14.	<b>Dates of Site Visits</b>	9 <sup>th</sup> September 2020.
a)	The dates on which the project was monitored by the Regional Office on previous occasions, if any	NA
b)	Date of site visits for this monitoring report	November 2023 and February 2024

**Thanking You.**

**Authorised Signatory.**

**FOR:  
Joyville Shapoorji Housing Pvt. Ltd**

### COST OF EMP – CONSTRUCTION PHASE

Sr. No.	Type	Details	Total Cost
1.	Dust pollution	Water spray for dust suppression	3.00
2.	EHS	Site sanitation and Potable Water Supply to Labour	4.00
3.	Environment monitoring	Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories)	10.00
4.	EHS	Health check-up & first aid	1.00
5.	Safety	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	20.00
6.	Traffic	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	5.00
7.	Safety	Safety nets	3.5
8.	SWD management	Storm water Management (SWD along plot boundary and Sedimentation Pits)	40.00
9.	lift	Passenger lift	45.00
10.	Maintenance	Tyre cleaning and Vehicle maintenance	0.75
11.	Safety	Safety Training to Workers (Twice in Year), Safety Officer	1.00
12.	Sanitation	Disinfection	2.00
13.	Waste	Debris & construction waste	21.60
<b>Total Cost</b>			<b>156.85</b>

### COST OF EMP – OPERATION PHASE

Sr. No.	Component	Details	Capital (Rs. In Lacs)	O&M cost (lacs / year)
1.	Storm Water		--	0.5
2.	Sewage Treatment	MBBR Technology	74.00	9.00
3.	Water Treatment	Water treatment plant	20.00	1.00
4.	RWH	RWH tank	8.25	0.25
5.	Recharge pits	10 nos. of recharge pits	5.00	0.50
6.	Swimming Pool	--	15.00	1.00
7.	Solid Waste	OWC (onsite treatment for biodegradable waste) Agreement with Swach (for handling & management of Non-biodegradable waste)	27.00	2.00
8.	Hazardous Waste	--	--	--
9.	E-waste	Agreement with Swach (for handling & management of E- waste)	1.00	--
10.	Green belt development	--	773.25	1.98
11.	Energy saving	Solar PV Cells, Solar panels	160.00	2.00
12.	Environmental Monitoring	Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories)	3.00	--
13.	Disaster Management	--	874.02	25.15
<b>Total Cost =</b>			<b>1960.52</b>	<b>43.38</b>



# **ENVIRONMENTAL CLEARANCE LETTER**

# STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/MIS/50310/2019  
Environment Department  
Room No. 217, 2<sup>nd</sup> Floor,  
Mantralaya, Mumbai- 400032.  
Date: 31.03.2020.

To,  
M/s. Joyville Shapoorji Housing Pvt. Ltd.  
At S.No.98/1 (P), 98/2, 99/1, 99/2(P), 99/3(P),  
99/4(P), 101/2(P) & 101/3 at Village name - Mann,  
Tal. Mulshi, Dist. Pune, Maharashtra, Pin code 411 057.

Subject: Environment Clearance for Proposed Joyville Hinjewadi Plot – 2 (Group Housing project) at Village name - Mann, Tal. Mulshi, Dist. Pune, Maharashtra by M/s. Joyville Shapoorji Housing Pvt. Ltd.

Reference: Application No. SIA/MH/MIS/50310/2019

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC – III in its 106<sup>th</sup> meeting under screening category 8 (b) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 197<sup>th</sup> meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

Sr. No	Description	Details
1.	Project Name & with Site Address	Proposed Joyville Hinjewadi Plot – 2 (Group Housing project) at Village name - Mann, Tal. Mulshi, Dist. Pune, Maharashtra by M/s. Joyville Shapoorji Housing Pvt. Ltd.
2.	Plot Area (sq. m)	37,832.47
3.	FSI Area (sq. m)	84,784.53
4.	Non-FSI Area (sq. m)	78,074.89
5.	Proposed built-up area (FSI + Non FSI) (sq. m)	1,62,859.42
6.	Building Configuration	Tower A, D, G & H Lower Ground + Stilt/Podium + 22 Floors
		Tower B, C, E, F & I Lower Ground + Stilt/ Podium + 21 Floors
7.	No. of Tenements & shops	Total Flats: 1158 Nos.
8.	Total population	6369 Nos. (Including floating)
9.	Total Water Requirement CMD	Domestic: 524 KLD Flushing: 266 KLD Gardening: 100 KLD

		Swimming Pool: 10 KLD Total: 900 KLD		
10.	Sewage Generation CMD	590 KLD		
11.	STP Capacity & Technology	1 STP of capacity 600 KL Technology: Moving Bed Bio reactor (MBBR)		
12.	STP Location	Ground Level		
13.	Total Solid waste Quantities	Type	Quantity	Disposal
		Dry Waste	1720 kg/day	Handed over to authorized vendor (SWaCH) for recycling
		Wet Waste	1146 kg/day	Treated in Organic waste convertor
		E waste	1.59 kg/day	Handed over to authorized vendor
		STP Sludge	88 kg/day	Will be used as a manure
14.	R.G Area in sq.m	On Ground: 5280.58 On Podium: 4500.9		
15.	Power requirement	Connected load: 3654.90 kw Maximum Demand: 2436.53 kW		
16.	Energy Efficiency	Total Energy Savings: 22% By Solar Energy: 16%		
17.	D.G. set capacity	DG set: 2 Nos. of DG sets of capacity 500 kVA		
18.	Parking 4W & 2W	4W: 996 Nos 2W: 1158 Nos. Bicycle: 1158 Nos.		
19.	Rain water harvesting Scheme	1 No. of RWH tank of capacity 55 KL Provision of 10 Nos. of recharge pits		
20.	Project Cost in (Cr)	536 Cr		
21.	EMP Cost	Capital Cost –1960.52 Lakhs O & M Cost – 43.38 Lakhs/year		
22.	CER Details	1 % of Project cost i.e 536 Lacs		

3. The proposal has been considered by SEIAA in its 197<sup>th</sup> meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

**Specific Conditions:**

- I. PP to ensure that CER plan gets approved from Municipal Commissioner.
- II. PP shall comply with standard EC conditions mentioned in the office memorandum issued by MoEF& CC vide F. No. 22-34/2018-IA.III dt. 4.01.2019.
- III. SEIAA decided to grant Environment Clearance for - FSI area of 84784.53 m<sup>2</sup>, Non FSI area of 78074.89 m<sup>2</sup> and total BUA of 162859.42 m<sup>2</sup> (Plan Approval no- BMU/Mau. MAAN/S NO 98 PAI AND OTHERS /C634/19-20 DATED 06.03.2020)

**General Conditions:**

- I. E-waste shall be disposed 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.
- 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 implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
- IV. PP has to 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.
- 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 of any construction work at the site.
- VII. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- 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.
- IX. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- X. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- XI. Arrangement shall be made that waste water and storm water do not get mixed.
- XII. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- XIII. Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- 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.
- 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 of 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.<sup>3</sup>
- 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% grey 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 grey and black water should be done by the use of dual plumbing line for separation of grey 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 fulfil 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 of /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 night-time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- 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 fulfil 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.
- XLI. Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
- 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.
- 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.
- XLIV. Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
- XLV. A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
- XLVI. In the case of any change(s) in the scope of the project, the project would require a fresh




appraisal by this Department.

- XLVII. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- XLVIII. 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.
- 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 <http://parivesh.nic.in>
- 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 1st June & 1st December of each calendar year.
- 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.
- 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.
- 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.
- 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.
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, amended time to time.
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, 1<sup>st</sup> Floor, D - Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

  
Anil Diggikar  
(Member Secretary, SEIAA)

Copy to:

1. Shri Johny Joseph, Chairman, SEIAA.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, pUNE.
7. Commissioner, Pune Metropolitan Regional Development Authority
8. Regional Officer, Maharashtra Pollution Control Board, Pune

## **CONSENT TO ESTABLISHMENT**

**MAHARASHTRA POLLUTION CONTROL BOARD**

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



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

No:- Format1.0/CAC-CELL/UAN No.0000091935/CE - 2009000096

Date: 02/09/2020

To,  
 Joyville Shapoorji Housing Pvt Ltd.,  
 "Joyville Hinjewadi Plot-2 (Group Housing  
 project), Sr.No. 98/1(p), 98/2, 99/1,  
 99/2(p), 99/3(p), 99/4(p), 101/2(p) & 101/3  
 At Village. Mann, Tal. Mulshi, Dist.  
 Pune-411057.

**Sub: Consent to Establish for Group Housing project under L.S.I Red Category**

- Ref:** 1. Environment Clearance accorded vide letter SIA/MH/MIS/50310/2019 dtd. 31/03/2020.  
 2. Minutes of Consent Appraisal Committee meeting held on 04/08/2020.

Your application NO. MPCB-CONSENT-0000091935

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

- The Consent to Establish is granted for a period upto commissioning of project**
- The capital investment of the project is Rs.536 Crs. (As per undertaking submitted by pp).**
- The Consent to Establish is valid for proposed Group Housing project named as Joyville Shapoorji Housing Pvt Ltd., "Joyville Hinjewadi Plot-2 (Group Housing project), Sr.No. 98/1(p), 98/2, 99/1, 99/2(p), 99/3(p), 99/4(p), 101/2(p) & 101/3, At Village. Mann, Tal. Mulshi, Dist. Pune-411057. on Total Plot Area of 37,832.47 SqMtrs for construction BUA of 1,62,859.42 SqMtrs as per EC granted dated 31/03/2020 including utilities and services**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	EC- dtd. 31/03/2020	37832.47	162859.42

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

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

Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	590	As per Schedule - I	The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body

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

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
S-1, S-2	DG Sets 500 KVA x 2	02	As per Schedule -II

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

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Biodegradable waste	1146 Kg/Day	Organic waste converter followed by Composting facility.	Used as Manure.
2	Non-Biodegradable waste	1720 Kg/Day	Segregation	By Sale to Auth. Vendor
3	STP Sludge	88 Kg/Day	SDB	Used as a Manure.

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

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	120	Ltr/M	Storage	By sale to Auth. reprocessor.

- 8 This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- 9 This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
- 10 PP shall provide STP so as to achieve the treated domestic effluent standard for the parameter BOD-10 mg/lit.
- 11 The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening.
- 12 PP shall install online monitoring system for BOD, TSS and flow at the outlet of STP with connectivity to MPCB Server.
- 13 PP shall submit BG of Rs. 25 Lakhs towards compliance of EC and Consent to Establish condition.
- 14 PP shall install organic waste digester along with composting facility/biodigester (biogas) with composting facility for the treatment of wet garbage.

For and on behalf of the  
Maharashtra Pollution Control Board.

(E. Ravendiran IAS),  
Member Secretary

**Received Consent fee of -**

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	1072000.00	MPCB-DR-0199	04/05/2020	NEFT

**Copy to:**

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



**SCHEDULE-I****Terms & conditions for compliance of Water Pollution Control:**

- 1) A] As per your application, you have proposed to provide MBBR based Sewage Treatment Plants (STPs) of combined capacity **600 CMD for treatment of domestic effluent of 590 CMD.**
- B] The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

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

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

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	738.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00

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





## SCHEDULE-II

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

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

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM
S-1	DG Set 500 KVA	Acoustic enclosure	4.47	HSD	55 Ltr/Hr
S-2	DG Set 500 KVA	Acoustic enclosure	4.47	HSD	55 Ltr/Hr

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

Total Particular matter	Not to exceed	150 mg/Nm <sup>3</sup>
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- 3) The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
- 4) The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

5) **Conditions for utilities like Kitchen, Eating Places, Canteens:-**

- a) The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
- b) The toilet shall be provided with exhaust system connected to chimney through ducting.
- c) The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).
- d) The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such a way that no nuisance is caused to neighbors.





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

<b>Sr. No.</b>	<b>Consent(C2E/C2O /C2R)</b>	<b>Amt of BG Imposed</b>	<b>Submission Period</b>	<b>Purpose of BG</b>	<b>Compliance Period</b>	<b>Validity Date</b>
1	Consent to Establish	25 Lakh	15 days	Towards Compliance of EC & Consent conditions.	COU	Up to Commissioning of the Unit or 5 years whichever is earlier.

\*\* The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.  
# Existing BG obtained for above purpose if any may be extended for period of validity as above.

**BG Forfeiture History**

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

#### **SCHEDULE-IV**

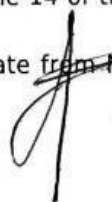
##### **Conditions during construction phase**

<b>A</b>	During construction phase, applicant shall provide temporary sewage and MSW treatment and disposal facility for the staff and worker quarters.
<b>B</b>	During construction phase, the ambient air and noise quality shall be maintained and should be closely monitored through MoEF approved laboratory.
<b>C</b>	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

##### **General Conditions:**

- 1 The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2 The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Solid Waste Management Rule 2016, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011.
- 3 Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4 Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5 Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.

- 6 Solid Waste - The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.
- 7 Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8 Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9 The treated sewage shall be disinfected using suitable disinfection method.
- 10 The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11 The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.



# **PMRDA COMMENCEMENT CERTIFICATE**



PUNEMETROPOLIS

**पुणे महानगर प्रदेश विकास प्राधिकरण, पुणे**  
**Pune metropolitan Regional Development Authority, Pune**

स.नं. १५२ - १५३, महाराजा सयाजीराव गायकवाड उद्योग भवन, औंध, पुणे - ४११००७.  
S.No. 152 - 153, Maharaja Sayajirao Gaikwad Udyog Bhawan, Aundh, Pune - 411007  
Ph No: 020 - 259 33 344 / 356 / 333 / फोन नं. : ०२० - २५९ ३३ ३४४ / ३५६ / ३३३ Email :hqpmrda@gmail.com

**विकास परवानगी व प्रारंभ प्रमाणपत्र**

( मंजूर विकास नियंत्रण व प्रोत्साहन नियमावलीतील नियम क्र.६.६.१ नुसार )

जा.क्र.: बीएमयु /मौ.माण/स.नं. ९८पै व इतर भू.क्र. २/प्र.क्र. ६३४/१९-२० /दि.०६/०३/२०२०

प्रति,

मे. जॉयविले शापूरजी हाऊसिंग प्रा.लि. तर्फे  
कु.मु.धा. श्री. जितेश श्रीकृष्ण बोंडे  
पत्ता :- फाम सोसायटी, रूम नं. ६०१, बिल्डींग नं. १२ए,  
सेक्टर ११, कोपरखैरणे, ठाणे

मौजे- माण, तालुका मुळशी, जिल्हा- पुणे येथील स.नं. ९८/१पै व इतर एकुण क्षेत्र १३३४९३.०० चौ.मी. क्षेत्रापैकी भूखंड क्र. २ चे क्षेत्र ३७८३२.४७ क्षेत्रावरील समुह गृहबांधणी प्रकल्पामधील सुधारीत रेखांकन/ इमारत बांधकाम प्रस्ताव मंजूरीस्तव प्राधिकरणाकडे प्राप्त झाला आहे. आपण प्रस्तावासोबत सादर केलेल्या कागदपत्रास अधिन राहून तसेच सोबतच्या परिशिष्ट ' अ ' मध्ये नमूद अटी व शर्तीस अधिन राहून उक्त प्रस्तावास विकास परवानगी व प्रारंभ प्रमाणपत्र देण्यात येत आहे.

मा. महानगर आयुक्त तथा मुख्य कार्यकारी अधिकारी यांचे मान्यतेने



  
महानगर आयुक्त

तथा

मुख्य कार्यकारी अधिकारी,  
पुणे महानगर प्रदेश क्षेत्र विकास प्राधिकरण,  
पुणे यांचे करिता.



पुणे महानगर प्रदेश क्षेत्र विकास प्राधिकरण, पुणे यांचेकडील दि. २६/०३/२०२० रोजीचे पत्र क्र. ६३४/७५-२० सोबतचे

**परिशिष्ट 'अ'**

१. मंजूर नकाशाप्रमाणेच जागेचा विकास व बांधकाम करणे बंधनकारक राहिल.
२. सदर विकास परवानगी व प्रारंभ प्रमाणपत्र हे एक वर्षाच्या कालावधीकरिता अंमलात राहिल. तदनंतर त्यापुढे आवश्यकतेनुसार विहित मुदतीमध्ये सदर परवानगी व प्रमाणपत्राचे नुतनीकरण करून न घेतल्यास सदरचे परवानगी व प्रमाणपत्र संपुष्टात येईल.
३. प्रस्तावासोबत बिनशेती मोजणी दि. १४/१२/२०१९, मो.र.नं. ११६८/२०१९ ने केलेल्या वहीवाटीचे मोजणी नकाशातील हद्दीचे तसेच जागेच्या मालकी / वहिवाटीबाबत अर्जदाराने / विकासकाने/ जमीनमालकाने याबाबत सादर केलेल्या प्रतिज्ञापत्राचे अधिन राहून परवानगी देण्यात येत आहे. सदर जमिनीचे वहीवाटीचे / हद्दीचे अनुषंगाने अथवा इमारतीबाबत कोणतेही व्यक्तिगत वाद / न्यायालयीन वाद उद्भवलेस त्याची सर्वस्वी जबाबदारी अर्जदार / विकासक / जमिनमालक यांची राहिल. ज्या जागेची मालकी / वहिवाट, अर्जदार / विकासक / जमिनमालक यांची नाही अशा कोणत्याही जमिनीवर सदर परवानगीद्वारे विकास अनुज्ञेय राहणार नाही.
४. प्रस्तुतच्या जमिनीवर आर्थिक संस्थांचा बोजा असल्यास त्यास अर्जदार / जमीनमालक / विकासक सर्वस्वी जबाबदार राहतील.
५. नागरी जमीन (कमाल धारणा व विनियमन) अधिनियम, १९७६ हा निरसित झाला असल्याने या अधिनियमांतर्गत बाबींकरिता प्रस्तावासोबत आपण रु.५००/- च्या स्टॅम्प पेपरवरील दिनांक ७/८/२०१९ रोजी नोटरी श्री. आर.जी. बिरादार यांचेसमोर केलेले विहित नमुन्यातील शपथपत्र व बंधपत्र सादर केले आहे. सदर शपथपत्र व बंधपत्रास अधिन राहून सदर बांधकाम परवानगी देण्यात येत आहे. त्याबाबतची संपूर्ण जबाबदारी अर्जदार / जमीनमालक / विकासक यांची राहिल सदर शपथपत्र व बंधपत्रातील माहिती चुकीची अथवा दिशाभूल करणारी आढळून आल्यास झालेले बांधकाम अनधिकृत समजून कारवाईस पात्र राहिल.
६. मंजूर रेखांकनानुसार अंतर्गत रस्ते, सुविधा भूखंडातील क्षेत्र त्याचप्रमाणे मंजूर प्रादेशिक योजनेचे रस्ते /रस्ता रुंदीने बांधित क्षेत्र जागा मालकास/विकासकास वाढीव चटईक्षेत्राच्या बदलात संबंधित नियोजन प्राधिकरणाकडे हस्तांतरीत करावयाचे झाल्यास अशा अनुषंगिक क्षेत्राची मोजणी जागा मालकाने /विकासकाने संबंधित भूमी अभिलेख विभागाकडे रितसर अर्ज करून घेणे बंधनकारक राहिल. तदनंतर अशा क्षेत्राखालील जमिनीचे खरेदीखत संबंधित नियोजन प्राधिकरणाचे नावाने जागा मालकाने/विकासकाने स्वखर्चाने करून देऊन तसा ७/१२ उतारा व त्याप्रमाणे प्रत्यक्ष जागेचा ताबा दिल्यानंतरच अशा क्षेत्राचा वाढीव चटईक्षेत्र मिळणेबाबत आवश्यक त्या बांधकाम नकाशा व अनुषंगिक कागदपत्रासह अर्ज करण्यास अर्जदार पात्र राहतील.



७. मंजूर नकाशात दर्शविलेप्रमाणे नियोजित बांधकामापासुन पुढील, मागील व बाजूची सामासिक अंतरे प्रत्यक्षात जागेवर कायम व खुली ठेवणे आवश्यक राहिल.
८. रेखांकनातील भूखंड व नियोजित इमारतीचा वापर फक्त रहिवास याप्रमाणे अनुज्ञेय केलेल्या वापरासाठी करणे बंधनकारक राहिल.
९. इमारतीचे जोता तपासणीसाठी अर्ज करताना अकृषिक परवानगी आणि परवानाधारक, वास्तुविशारद/अभियंता/स्ट्रक्चरल अभियंता /सुपरवायझर यांचे प्रमाणपत्र सादर करणे बंधनकारक राहिल, त्याचप्रमाणे भोगवटा प्रमाणपत्रासाठी अर्ज करताना बांधकाम प्रस्तावांतर्गत जमिनीचे महसूल / भूमी अभिलेखात एकत्रिकरण/ उपविभागणी केलेला अद्यावत ७/१२ उतारा /प्रॉपर्टी कार्ड व मोजणी नकाशा सादर करणे बंधनकारक राहिल.
१०. इमारतीचे मंजूर नकाशानुसार जोत्यापर्यंतचे बांधकाम पूर्ण झाल्यानंतर जोते तपासणी प्रमाणपत्र प्राप्त करून न घेता पुढील बांधकाम केल्यास सदरचे बांधकाम अनधिकृत समजण्यात येऊन असे बांधकाम दंडात्मक कार्यवाहीस पात्र राहिल.
११. अभिन्यासातील रस्ते, व खुली जागा यांची देखभाल व अभिन्यासामध्ये दर्शविलेले वर्गीकृत / प्रादेशिक योजना रस्ते/रस्ता रूंदीकरणातील क्षेत्र सर्व जनतेच्या वापरासाठी तसेच शेजारच्या जमीनमालकास वापरण्यास खुले ठेवणे बंधनकारक राहिल.
१२. रेखांकनातील रस्ते, गटारे, खुली जागा इत्यादी अर्जदारांने / विकासकांने / जमीनमालकांने भूखंड / सदनिका वितरित करण्यापूर्वी जागेवर स्वखर्चाने व समाधानकारकरित्या विकसित करणे आवश्यक आहे.
१३. नियोजित बांधकामातील मजल्यांची संख्या व उंची, मंजूर रेखांकन/बांधकाम नकाशांवर दर्शविल्यापेक्षा जास्त असता कामा नये.
१४. सदर रेखांकनाखालील जागा मुळा नदीलगत असुन पाटबंधारे विभागाकडील नकाशानुसार निषेधक पूररेषेच्या (Blue line) आत कोणतेही बांधकाम करता येणार नाही. तसेच निषेधक पूर रेषा (Blue line) व नियंत्रक पूर रेषा (Red line) यामधील क्षेत्रामध्ये मंजूर बांधकाम नकाशानुसार बांधकाम करणेत यावे व विकास नियंत्रण प्रोत्साहन नियमावलीतील नियम क्र. ११.३ नुसार या बांधकामाच्या जोत्याची उंची Red Flood Line पेक्षा ०.५ मी. वरती प्रस्तावित करणे बंधनकारक राहिल. मात्र, पूररेषेलागतचा हरितपट्टा कायमपणे खुला ठेवून वृक्षारोपणाद्वारे विकसित करणे आवश्यक आहे.
१५. नियोजित बांधकामाचे क्षेत्र, भूखंडावर अन्य बांधकाम अस्तित्वात असल्यास त्यासह एकूण बांधकाम क्षेत्र, सुविधा क्षेत्र व प्रादेशिक योजना रस्ते / रस्तारुंदी क्षेत्र नकाशावर दर्शविलेनुसार प्रत्यक्ष जागेवर असणे आवश्यक आहे.
१६. जागेतील / जागेलागतच्या नाल्याच्या/नदीच्या नैसर्गिक प्रवाहास अडथळा येईल, असे कोणतेही बांधकाम करता येणार नाही. त्याचप्रमाणे उक्त जमिनीवरील विकास करताना जागेवरील भूपृष्ठ रचनेमध्ये अनाधिकृत बदल





करता येणार नाहीत. सदर अटीचा भंग करून विकास केल्याने दुर्घटना घडल्यास त्याची जबाबदारी अर्जदार / विकासक / जमिनमालक यांची राहिल.

१७. स्टिल्ट भविष्यात बंदिस्त करण्यात येऊ नये. तसेच स्टिल्टचा वापर फक्त पार्किंगसाठीच करण्यात यावा.
१८. स्ट्रक्चरल इंजिनिअर/डिझायनर यांनी तयार केलेल्या Structural Design नुसार प्रत्यक्ष जागेवर विकास करणेची जबाबदारी विकासक व सुपरवायझर यांची संयुक्तिक राहिल.
१९. अर्जदार / विकासक / जमिनमालक यांनी दि. ७/८/२०१९ अन्वये दिलेल्या शपथपत्रास अधिन राहून ही परवानगी देण्यात येत असून प्रमाणित विकास नियंत्रण आणि प्रोत्साहन नियमावलीमधील सर्व नियम आणि भारतीय मानक ब्युरोने विहित केलेल्या सुरक्षा प्रमाणकांचे पालन करणे अर्जदार / विकासक / जमिनमालक यांचेवर बंधनकारक राहिल. (नियम क्र. ७.१)
२०. शासन नगर विकास विभागाकडील दि. १९/११/२००८ चे निदेश क्र. टिपीव्ही-४३०८/ ४१०२/ प्र.क्र.३५९/०८/नवि-११ नुसार अर्जदार / विकासक / जमिनमालक व वास्तुविशारद यांनी बांधकाम नकाशांमध्ये प्रत्येक सदनिकेचे एकूण चटईक्षेत्र (Carpet area) नमूद केलेले आहे. सदर नमूद चटई क्षेत्रा (Carpet area) बाबत आकडेमोड, गणितीय चुका इ. बाबत वास्तुविशारद व अर्जदार / विकासक / जमिनमालक संयुक्तिकरित्या जबाबदार राहतील.
२१. नियोजित इमारतीसाठी / विकासासाठी आवश्यक असणाऱ्या पिण्याच्या पाण्याची सोय आपण अश्वसित केलेल्या सक्षम प्राधिकरणाने / ग्रामपंचायतीने न केल्यास या प्रकल्पातील सदनिका हस्तांतरणापूर्वी पिण्याच्या पाण्याची आवश्यक ती पूर्तता अर्जदार / विकासक / जमीन मालक यांनी स्वखर्चाने प्रत्यक्ष वापरापूर्वी करणे आवश्यक आहे. त्याचप्रमाणे सांडपाण्याची व मैला निर्मुलनाची सुयोग्य व्यवस्था प्रत्यक्ष वापरापूर्वी करणे बंधनकारक राहिल.
२२. ओला व सुक्या कचऱ्याकरिता सदर जागेत स्वतंत्र कंटेनरची सोय करणे आवश्यक राहिल विघटन होणाऱ्या ओल्या कचऱ्यासाठी गांडूळखत प्रकल्प अर्जदार / विकासक / जमिनमालक यांनी स्वखर्चाने करावयाचा आहे.
२३. सदर जमिनीचे क्षेत्रफळ ५०० चौ.मी. पेक्षा जास्त आहे. त्यामुळे प्रत्येक ८० चौ.मी. क्षेत्रासाठी एक झाड याप्रमाणे वृक्ष लागवड करणे व त्यांची जोपासना करणे अर्जदार / विकासक / जमिनमालक यांचेवर बंधनकारक राहिल.
२४. सौर उर्जेवर पाणी तापविण्यासाठीची यंत्रणा अर्जदार / विकासक / जमिनमालक यांनी इमारतीचे वापरापूर्वी स्वखर्चाने करावयाची आहे.
२५. वेस्ट वॉटर ट्रीटमेंट प्लॅन्ट यंत्रणा उभारणे अर्जदार / विकासक / जमिनमालक यांचेवर बंधनकारक असून पाण्याचा फेरवापर बगीचा, झाडाची जोपासना यासाठी करणे आवश्यक आहे.





२६. प्रारंभ प्रमाणपत्र दिलेल्या कोणत्याही इमारतीचे बांधकाम पूर्ण झाल्यानंतर मंजूर विकास नियंत्रण व प्रोत्साहन नियमावलीतील नियम क्र. ७.५ नुसार पूर्णत्वाचे प्रमाणपत्र अर्जदार / विकासक / जमीनमालक यांनी सादर करून नियम क्र. ७.६ नुसार भोगवटा प्रमाणपत्र प्राप्त करून घेतल्याखेरीज कोणत्याही इमारतीचा भागशः / पूर्णतः वापर सुरु केल्यास अर्जदार / विकासक / जमीनमालक कारवाईस पात्र राहिल.
२७. प्रमाणित विकास नियंत्रण आणि प्रोत्साहन नियमावलीमधील तरतूदी नुसार विशेष इमारतीबाबत :-
- a) प्रमाणित विकास नियंत्रण आणि प्रोत्साहन नियमावलीमधील तरतूदी नुसार प्रस्तावित इमारती सभोवताली ६ मी. रुंदीचे पाथवे किमान ४५ टन वजनाचे फायर इंजिनचा भार पेलू शकेल याप्रमाणे डिझाईन करून विकसीत करणे अर्जदार / विकासक / जमीनमालक यांचेवर बंधनकारक आहे.
- b) अर्जदार / विकासक / जमीनमालक यांनी प्रस्ताविल्यानुसार सर्व उंच इमारती स्टिल्ट वर असणे आवश्यक राहिल त्याचबरोबर वाहनतळ सुविधा प्रमाणित विकास नियंत्रण आणि प्रोत्साहन नियमावलीमधील तरतूदी नुसार प्रस्तावित करणे आवश्यक राहिल.
- c) नगर विकास विभागाच्या दिनांक - २८.८.२००९ रोजीच्या अधिसूचना प्रमाणे नियम क्र. ४ मधील टीप - ii प्रमाणे पुणे महानगर प्रदेश विकास प्राधिकरणाचे मुख्य अग्निशमन अधिकारी यांनी १५ मी. पेक्षा उंच इमारतीच्या नियोजनातील जिऱ्याचे व लिफ्टचे स्थान मान्य केलेले आहे. सदर नियोजनाव्यतिरिक्त नियोजनात बदल करणे आवश्यक झाल्यास पुन्हा संबंधित मुख्य अग्निशमन अधिकारी / संचालक यांची मंजूरी घ्यावी लागेल. तसेच प्रत्येक इमारतीमधील एक स्टेअरकेस व एक लिफ्ट NBC मधील तरतुदीप्रमाणे आग प्रतिरोधक असणे आवश्यक आहे. तसेच उंच इमारतीचे नियोजनाअनुषंगाने मुख्य अग्निशमन अधिकारी, पुणे महानगर प्रदेश विकास प्राधिकरण यांनी पत्र क्र. FPM/३६९/२०१९, दि. २३/९/२०१९ ने दिलेल्या Provisional Fire N.O.C. मधील अटी/ शर्तीची पूर्तता करणे अर्जदार / विकासक / जमीनमालक यांचेवर बंधनकारक राहिल.
- d) प्रमाणित विकास नियंत्रण आणि प्रोत्साहन नियमावलीमधील तरतूदी नुसार बाबींची पूर्तता तसेच अग्निप्रतिबंधक उपाययोजनाबाबत भाग-४ मधील बाबींची पूर्तता करणे अर्जदार/विकासक/ जमीनमालकावर बंधनकारक राहिल.
- e) नेहमीच्या वापरासाठीच्या पाणी पुरवठ्याशिवाय अग्निप्रतिबंधक व्यवस्थेकरीता, पाणीपुरवठा बाबतची पूर्तता अर्जदार / विकासक / जमीनमालक यांनी स्वखर्चाने, स्वजबाबदारीवर करणे आवश्यक राहिल.
- f) प्रमाणित विकास नियंत्रण आणि प्रोत्साहन नियमावलीमधील तरतूद क्र. १८ नुसार लिफ्टची सुविधा उपलब्ध करून देणे आवश्यक राहिल.
- g) अशा इमारतीचे Structural Design हे भुकंप प्रतिबंधक असणे आवश्यक राहिल. अर्जदाराने / विकासकाने / जमीनमालकाने इमारतीचे Structural Stability बाबत नोंदणीकृत Structural Engineer चे प्रमाणपत्र संबंधित अग्निशमन अधिकारी यांचेकडे व या प्राधिकरणाकडे दाखल करणे आवश्यक राहिल.
- h) भोगवटा प्रमाणपत्र देण्यापूर्वी सर्व अग्निशमन यंत्रणा व सुविधांची पूर्तता करून सदर यंत्रणा सुस्थितीत कार्यान्वित असलेबाबत अग्निशमन विभागाकडील अंतिम नारहकत प्रमाणपत्र सादर करणे अर्जदार / विकासक / जमीनमालक यांचेवर बंधनकारक राहिल.
- i) पुणे महानगर प्रदेश विकास प्राधिकरण यांनी पत्र क्र. FPM/३६९/२०१९, दि. २३/९/२०१९ अन्वये ना हरकत दाखला व सोबतचे नकाशे सांक्षातीत केलेले आहेत. सदरचे नकाशांमध्ये मंजूरी देताना फेरबदल झाल्यास



अशा नियोजनास संबंधित मुख्य अग्नीशमन अधिकारी / संचालक यांचे सुधारित ना हरकत प्रमाणपत्र घेणे बंधनकारक आहे.

२८. विषयांकित प्रकल्पामध्ये प्रस्तावित केलेले एकूण (Gross FSI+ Non FSI) बांधकाम क्षेत्र ११२५३२.५० चौ.मी. आहे. त्यामुळे सदर मंजूर नकाशानुसार जागेवर विकास करणेपूर्वी सदर प्रकल्पाकरिता पर्यावरण विभागाकडील State Environmental Impact Assessment Authority कडून Environment Clearance प्रमाणपत्र प्राप्त करून घेणे अर्जदार / विकासक यांचेवर बंधनकारक राहील.
२९. प्रस्तुत जमिनीवर भविष्यात छाननी शूलक, प्रिमीयम शूलक, विकास शूलक, व कामगार कल्याण उपकर इत्यादी बाबतच्या रक्कमेची बाकी उद्भवल्यास सदर रक्कम प्राधिकरणाकडे जमा करणे अर्जदार यांचेवर बंधनकारक राहील.
३०. अर्जदार यांनी सादर केलेली कोणतीही माहिती अथवा कागदपत्रे ही चुकीची/दिशाभूल करणारी आढळल्यास प्रस्तुतची विकास परवानगी व प्रारंभ प्रमाणपत्र रद्द समजणेत येईल.

प्रस्तावासोबतच्या रेखांकन/ बांधकाम नकाशांचे दोन संच स्वाक्षांकित करून सोबत जोडले असून प्रस्तावासोबतची अन्य सर्व कागदपत्रे प्राधिकरणाच्या अभिलेखार्थ राखून ठेवण्यात येत आहेत.

मा. महानगर आयुक्त तथा मुख्य कार्यकारी अधिकारी यांचे मान्यतेने



  
महानगर आयुक्त

तथा

मुख्य कार्यकारी अधिकारी,  
पुणे महानगर प्रदेश क्षेत्र विकास प्राधिकरण,  
पुणे यांचे करिता.

# PART D

ANNEXURE NO.	ANNEXURE
Annexure -I	Sanitary & Hygienic Measures
Annexure -II	Facilities provided to Labour Hutments
Annexure -III	PAPER ADVERTISMNET
Annexure -IV	PUC REGISTRATION
Annexure -V	EMR (Ambient air, Noise , Water Monitoring and analysis Reports)

# **ANNEXURE –I**

## **Sanitary & Hygienic Measures**

### Sanitary and Hygiene Measures

- Toilets and Urinals are provided to construction workers and cleaning done on daily basis.
- Separate storage tanks for storage of domestic and Drinking water (RO Water) have been provided.
- Solid waste is being disposed daily to municipal collection system.
- The provided separate area is maintained in hygiene point of view.
- Workers health will be regularly monitored and even Health insurance is provided.
- All construction activity will be followed strictly with guideline of safety measures to assure worker's health and safety.
- Rest Room provided for workers at site.
- Construction Safety Board provided on site.



## **ANNEXURE II**

### **FACILITIES PROVIDED TO LABOUR HUTMENTS**



## **FACILITIES PROVIDED TO LABOUR HUTMENTS**

**Project Name** : "M/s. Joyville Shapoorji Housing Pvt. Ltd. (PLOT 1)

**Site Address** : S.No.98/1(P),98/1,99/2(P),99/3(P),99/4(P),101/2(P) & 101/3 at  
Village Name - Mann, Tal- Mulshi, Dist. Pune, Maharashtra - Pin Code 411 057

**Total Labour hutments:** 140 Nos of Hutments and 58 Nos of kitchen for cooking has been provided.

**Total No. of Labor** : 810 nos.

### **Facilities provided:**

- We have provided 40 non movable toilets and 08 Nos of Urinals for Labour.
- RO plant-Drinking Water facility at various location has also been provided including Labour colony and Site.
- Water Tank for domestic purpose is provided. In addition, Water Tanker also comes daily for supplying water.
- Electric bulbs, Wall mounted fan, Bed bunks etc has been provided.
- Sewage generated at labour colony has been treated in STP (50 KL) capacity.
- Recreational facility like Indoor games / TV with DTH connection provided.
- Regular pest control has been done at colony and site including Rodent/Cockroach/Bed bug and mosquito etc
- Regular visit of Doctor at labour colony.
- Dedicated dining area provided.
- Septic Tank & soak pits provided.

**ANNEXURE - III**

**Paper Advertisement**







## Japan's Abe to make swansong push for missile-strike capability

capability is likely to test the limits of the document.

Facing a growing threat from the missile arsenals of China and North Korea, the ruling Liberal Democratic Party last month proposed that Japan consider missile systems that would allow the country to preemptively hit enemy rockets before they leave the pad, seeing this as a defensive move.

Increasing such capability could cost huge sums of money and increase the likelihood that Japan would be the target of an attack. It would also require greater coordination with its sole military, the US, and increase risks for Tokyo of being drawn into the simmering security tensions between Washington and Beijing.

<b>of 2020</b>	<b>IDFC</b>
<b>Scheme Information Document</b>	<b>IDFC MUTUAL FUND</b>
<b>Names of IDFC Mutual Fund</b>	
Computer Age Management Services	
Now mentioned new address:	
<b>Address</b>	<b>Effective Date</b>
tre, nit No. 313, tsar - 143001.	September 21, 2020

Point of Acceptance of Transaction  
Service Requests shall continue to  
of the Fund except as specifically  
time, remain unchanged.  
the schemes of the Fund, read with

## TRISKS, READ ALL SCHEME

## N NOTICE

amount as claimed in the said demand  
public in general that the undersigned

	Date of Demand Notice/ Amount in Demand Notice (Rs.)	Name of Branch
1A/2.	Jan 28, 2020 Rs. 2,54,860.00/-	Nasik

[illegible]

at the applicable rates as mentioned in the schedule of payment and / or realization.

Property (ies) / Secured Asset (s)
No. C1, 804, (Old Flat No. 1082)

Flory, La Montana, Building A,  
Pune. No. 126/2, 131, 134/14C,  
134/14A, 134/14B, 134/14D,  
Pune-Tumal Road MIDC Junction,  
Pune-Mumbai Road, Vadgaon, Pune  
with one covered car parking.

No. 5, And 6, Sarunath Chambers,  
No. 164, 165, 166, 168 And 169,  
Indi Pradikharan Main Road,  
Vithal Mandar, Akurdi, Pune.

No. 7, Still First Floor, Sai Shradha  
Ind Building A, CTS No. 86/06,  
Pune. No. 111/12B/1, Rahatani, Kalewadi,  
MC, Pune.

No. 7, Renuka Sakpalpatri, And  
No. 3, CTS No. 4186, 4186/1,  
Pune Colony, Chinchwad, Pune.

For realisation.

Notice to repay the amounts due, notice is  
given to the public in general that the  
debtor herein above in exercise of powers  
and authority conferred on me by the  
Court of law (Bank of India) has been  
cautioned not to  
draw any money from the account of the  
debtor herein above in exercise of powers  
and authority conferred on me by the  
Court of law (Bank of India) has been  
cautioned not to

Sd/-  
Authorised Officer




Bund

# **Annexure IV**

## **PUC Registration**



## Form 59

[See rules 115 (2)]

**Pollution Under Control Certificate**

Authorised By :  
Government of Maharashtra

Date : 14/12/2023  
Time : 14:11:02 PM  
Validity upto : 13/06/2024



Certificate SL. No. : MH01202110010236  
Registration No. : MH06K6582  
Date of Registration : 20/Apr/2004  
Month & Year of Manufacturing : March-2004  
Valid Mobile Number : \*\*\*\*\*0000  
Emission Norms : BHARAT STAGE II  
Fuel : DIESEL  
PUC Code : MH0120211  
GSTIN :  
Fees : Rs.150.00  
(GST to be paid extra as applicable)  
MIL observation : No

Vehicle Photo with Registration plate  
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.42

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator  
60mm x 20 mm



[See rules 115 (2)]

**Pollution Under Control Certificate**

Authorised By :

Government of Maharashtra

**Date** : **14/12/2023**  
**Time** : **14:13:21 PM**  
**Validity upto** : **13/06/2024**



Certificate SL. No. : MH01202110010238  
 Registration No. : MH31CQ6192  
 Date of Registration : 12/Jan/2010  
 Month & Year of Manufacturing : April-2005  
 Valid Mobile Number : \*\*\*\*\*0000  
 Emission Norms : BHARAT STAGE III  
 Fuel : DIESEL  
 PUC Code : MH0120211  
 GSTIN :  
 Fees : Rs.150.00  
 (GST to be paid extra as applicable)  
 MIL observation : No

Vehicle Photo with Registration plate  
 60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.61

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator  
 60mm x 20 mm

[See rules 115 (2)]

**Pollution Under Control Certificate**

Authorised By :  
Government of Maharashtra

Date : 14/12/2023  
Time : 14:36:01 PM  
Validity upto : 13/06/2024



Certificate SL. No. : MH01202110010252  
Registration No. : MH06AC7656  
Date of Registration : 30/Jul/2007  
Month & Year of Manufacturing : May-2007  
Valid Mobile Number : \*\*\*\*\*0000  
Emission Norms : BHARAT STAGE III  
Fuel : DIESEL  
PUC Code : MH0120211  
GSTIN :  
Fees : Rs.150.00  
(GST to be paid extra as applicable)  
MIL observation : No

Vehicle Photo with Registration plate  
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.53

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator  
60mm x 20 mm



[See rules 115 (2)]

**Pollution Under Control Certificate**

Authorised By :  
Government of Maharashtra

Date : 14/12/2023  
Time : 14:30:32 PM  
Validity upto : 13/06/2024



Certificate SL. No. : MH01202110010247  
Registration No. : MH06K6668  
Date of Registration : 30/Apr/2004  
Month & Year of Manufacturing : February-2004  
Valid Mobile Number : \*\*\*\*\*0000  
Emission Norms : BHARAT STAGE III  
Fuel : DIESEL  
PUC Code : MH0120211  
GSTIN :  
Fees : Rs.150.00  
(GST to be paid extra as applicable)  
MIL observation : No

Vehicle Photo with Registration plate  
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.68

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator  
60mm x 20 mm



## Form 59

[See rules 115 (2)]

**Pollution Under Control Certificate**

Authorised By :  
Government of Maharashtra

Date : 14/12/2023  
Time : 14:57:06 PM  
Validity upto : 13/06/2024



Certificate SL. No. : MH01202110010260  
Registration No. : MH15CK2890  
Date of Registration : 07/May/2010  
Month & Year of Manufacturing : February-2010  
Valid Mobile Number : \*\*\*\*\*0000  
Emission Norms : BHARAT STAGE III  
Fuel : DIESEL  
PUC Code : MH0120211  
GSTIN :  
Fees : Rs.150.00  
(GST to be paid extra as applicable)  
MIL observation : No

Vehicle Photo with Registration plate  
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.5

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator  
60mm x 20 mm

[See rules 115 (2)]

**Pollution Under Control Certificate**

Authorised By :  
Government of Maharashtra

Date : 14/12/2023  
Time : 14:28:22 PM  
Validity upto : 13/06/2024



Certificate SL. No. : MH01202110010245  
Registration No. : MH14V5653  
Date of Registration : 13/Sep/2004  
Month & Year of Manufacturing : July-2004  
Valid Mobile Number : \*\*\*\*\*0000  
Emission Norms : BHARAT STAGE III  
Fuel : DIESEL  
PUC Code : MH0120211  
GSTIN :  
Fees : Rs.150.00  
(GST to be paid extra as applicable)  
MIL observation : No

Vehicle Photo with Registration plate  
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.56

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator  
60mm x 20 mm



[See rules 115 (2)]

**Pollution Under Control Certificate**

Authorised By :

Government of Maharashtra

Date : 14/12/2023

Time : 14:59:47 PM

Validity upto : 13/06/2024



Certificate SL. No. : MH01202110010263  
 Registration No. : MH12QG3761  
 Date of Registration : 18/Jul/2005  
 Month & Year of Manufacturing : June-2005  
 Valid Mobile Number : \*\*\*\*\*0000  
 Emission Norms : BHARAT STAGE III  
 Fuel : DIESEL  
 PUC Code : MH0120211  
 GSTIN :  
 Fees : Rs.150.00  
 (GST to be paid extra as applicable)  
 MIL observation : No

Vehicle Photo with Registration plate  
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.65

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator  
60mm x 20 mm

**Annexure -V      EMR (Ambient air, Noise , Water  
Monitoring and analysis Reports)**

## AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

### TEST REPORT

Date – 09/11/2023

Sample/Report No.	GE/LAB/AAQ/JSHPL1			
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.			
Address Of Customer	“Joyville Hinjewadi,Plot – 2 ( Group Housing Project)”, S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P),101/2(P) & 101/3 At Vill- Maan, Tal- Mulshi, Pune - 411057.			
Sample Drawn By	Vendor on 02/11/2023	Sample Received On	03/11/2023	
Start of Analysis	04/11/2023	End Of Analysis	06/11/2023	
Monitoring For	Ambient Air Monitoring	Sampling Location	Near Entry Gate	
Sampling Duration	24 Hrly	Receptor Height	2.00 meter from G.L.	
Ambient Temperature	Max- 31.7 <sup>0</sup> C, Min-19.5 <sup>0</sup> C	Relative Humidity	Max- 73.2%, Min- 67.1%	
Limits	National Ambient Air Quality Standards Vide GSR 826(E)16.11.2009			
Parameters	Unit	Result	Limits	Method Of Analysis
General Parameters				
Particulate matter less than 10 micron	µg/m <sup>3</sup>	72.23	100	EPA/625/R-96/010a(Compendium Method IO-2.1): 2017
Particulate matter less than2.5 micron	µg/m <sup>3</sup>	41.16	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017
Sulphur Dioxide	µg/m <sup>3</sup>	28.57	80	IS 5182 ( part II ) 2001,Reaff: 2017
Oxides of Nitrogen	µg/m <sup>3</sup>	33.46	80	IS 5182 ( part VI ) 2006,Reaff:2017
Carbon Monoxide	mg/m <sup>3</sup>	0.74	2.0	IS 5182 ( part X ) 1999,Reaff: 2014
Lead	µg/m <sup>3</sup>	BDL	1	IS 5182 (part XXII) 2004,Reaff:2014
Ozone	µg/m <sup>3</sup>	24.19	100	IS 5182 (part IX) 1974, Reaff: 2014
Ammonia	µg/m <sup>3</sup>	N.D.	400	APHA 2nd Edition Method No. 401
Benzene	µg/m <sup>3</sup>	BDL	5	IS 5182 (part XI) 2006, Reaff- 2017
Benzo (a) Pyrene - Particulate Phase only	ng/m <sup>3</sup>	BDL	1	IS 5182 (Part 12):2004,Reaff: 2014
Arsenic	ng/m <sup>3</sup>	BDL	6	APHA 2nd Edition Method No. 822
Nickel	ng/m <sup>3</sup>	BDL	20	APHA 2nd Edition Method No. 822

●BDL: Below Detection Limits.

●Remarks: - Monitoring Results are well within the limits prescribed by NAAQS.

For **GREEN ENVIRO**




**Authorized Signatory**

**Note** – 1. Results relate only to the sample tested.

2. Test report shall not be reproduced except in full, without written approval of the laboratory

3. This report, in full or in part, shall not be used for advertising or legal action.

---End of the Report---

## AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

### TEST REPORT

Date – 09/11/2023

Sample/Report No.	GE/LAB/AAQ/JSHPL2			
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.			
Address Of Customer	“Joyville Hinjewadi,Plot – 2 ( Group Housing Project)”, S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P),101/2(P) & 101/3 At Vill- Maan, Tal- Mulshi,Pune -411057.			
Sample Drawn By	Vendor on 02/11/2023	Sample Received On	03/11/2023	
Start of Analysis	04/11/2023	End Of Analysis	06/11/2023	
Monitoring For	Ambient Air Monitoring	Sampling Location	Steel Yard	
Sampling Duration	24 Hrly	Receptor Height	2.00 meter from G.L.	
Ambient Temperature	Max- 31.2 <sup>0</sup> C, Min-19.2 <sup>0</sup> C	Relative Humidity	Max- 73.7%, Min- 67.6%	
Limits	National Ambient Air Quality Standards Vide GSR 826(E)16.11.2009			
Parameters	Unit	Result	Limits	Method Of Analysis
General Parameters				
Particulate matter less than 10 micron	µg/m <sup>3</sup>	83.14	100	EPA/625/R-96/010a(Compendium Method IO-2.1): 2017
Particulate matter less than2.5 micron	µg/m <sup>3</sup>	50.31	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017
Sulphur Dioxide	µg/m <sup>3</sup>	37.57	80	IS 5182 ( part II ) 2001,Reaff: 2017
Oxides of Nitrogen	µg/m <sup>3</sup>	41.53	80	IS 5182 ( part VI ) 2006,Reaff:2017
Carbon Monoxide	mg/m <sup>3</sup>	0.94	2.0	IS 5182 ( part X ) 1999,Reaff: 2014
Lead	µg/m <sup>3</sup>	BDL	1	IS 5182 (part XXII) 2004,Reaff:2014
Ozone	µg/m <sup>3</sup>	33.20	100	IS 5182 (part IX) 1974, Reaff: 2014
Ammonia	µg/m <sup>3</sup>	BDL	400	APHA 2nd Edition Method No. 401
Benzene	µg/m <sup>3</sup>	BDL	5	IS 5182 (part XI) 2006, Reaff- 2017
Benzo (a) Pyrene - Particulate Phase only	ng/m <sup>3</sup>	BDL	1	IS 5182 (Part 12):2004,Reaff: 2014
Arsenic	ng/m <sup>3</sup>	BDL	6	APHA 2nd Edition Method No. 822
Nickel	ng/m <sup>3</sup>	BDL	20	APHA 2nd Edition Method No. 822

●BDL: Below Detection Limits.

●Remarks: - Monitoring Results are well within the limits prescribed by NAAQS.

For **GREEN ENVIRO**




**Authorized Signatory**

**Note** – 1. Results relate only to the sample tested.

2. Test report shall not be reproduced except in full, without written approval of the laboratory

3. This report, in full or in part, shall not be used for advertising or legal action.

---End of the Report---



## AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

### TEST REPORT

Date – 09/11/2023

Sample/Report No.	GE/LAB/AAQ/JSHPL3			
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.			
Address Of Customer	“Joyville Hinjewadi,Plot – 2 ( Group Housing Project)”, S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P),101/2(P) & 101/3 At Vill- Maan, Tal - Mulshi, Pune - 411057.			
Sample Drawn By	Vendor on 02/11/2023	Sample Received On	03/11/2023	
Start of Analysis	04/11/2023	End Of Analysis	06/11/2023	
Monitoring For	Ambient Air Monitoring	Sampling Location	Near Building B	
Sampling Duration	24 Hrly	Receptor Height	2.00 meter from G.L.	
Ambient Temperature	Max- 31.6 <sup>0</sup> C, Min-19.4 <sup>0</sup> C	Relative Humidity	Max- 73.3%, Min- 67.2%	
Limits	National Ambient Air Quality Standards Vide GSR 826(E)16.11.2009			
Parameters	Unit	Result	Limits	Method Of Analysis
General Parameters				
Particulate matter less than 10 micron	µg/m <sup>3</sup>	76.02	100	EPA/625/R-96/010a(Compendium Method IO-2.1): 2017
Particulate matter less than2.5 micron	µg/m <sup>3</sup>	45.62	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017
Sulphur Dioxide	µg/m <sup>3</sup>	33.17	80	IS 5182 ( part II ) 2001,Reaff: 2017
Oxides of Nitrogen	µg/m <sup>3</sup>	37.29	80	IS 5182 ( part VI ) 2006,Reaff:2017
Carbon Monoxide	mg/m <sup>3</sup>	0.82	2.0	IS 5182 ( part X ) 1999,Reaff: 2014
Lead	µg/m <sup>3</sup>	BDL	1	IS 5182 (part XXII) 2004,Reaff:2014
Ozone	µg/m <sup>3</sup>	27.35	100	IS 5182 (part IX) 1974, Reaff: 2014
Ammonia	µg/m <sup>3</sup>	BDL	400	APHA 2nd Edition Method No. 401
Benzene	µg/m <sup>3</sup>	BDL	5	IS 5182 (part XI) 2006, Reaff- 2017
Benzo (a) Pyrene - Particulate Phase only	ng/m <sup>3</sup>	BDL	1	IS 5182 (Part 12):2004,Reaff: 2014
Arsenic	ng/m <sup>3</sup>	BDL	6	APHA 2nd Edition Method No. 822
Nickel	ng/m <sup>3</sup>	BDL	20	APHA 2nd Edition Method No. 822

●BDL: Below Detection Limits.

●Remarks: - Monitoring Results are well within the limits prescribed by NAAQS.

For **GREEN ENVIRO**




**Authorized Signatory**

**Note** – 1. Results relate only to the sample tested.

2. Test report shall not be reproduced except in full, without written approval of the laboratory

3. This report, in full or in part, shall not be used for advertising or legal action.

---End of the Report---

## AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

### TEST REPORT

Date – 09/11/2023

Sample/Report No.	GE/LAB/AAQ/JSHPL4			
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.			
Address Of Customer	“Joyville Hinjewadi,Plot – 2 ( Group Housing Project)”, S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P),101/2(P) & 101/3 At Vill- Maan, Tal - Mulshi, Pune - 411057.			
Sample Drawn By	Vendor on 02/11/2023	Sample Received On	03/11/2023	
Start of Analysis	04/11/2023	End Of Analysis	06/11/2023	
Monitoring For	Ambient Air Monitoring	Sampling Location	Near Building C	
Sampling Duration	24 Hrly	Receptor Height	2.00 meter from G.L.	
Ambient Temperature	Max- 31.0 <sup>0</sup> C, Min-19.1 <sup>0</sup> C	Relative Humidity	Max- 73.9%, Min- 67.8%	
Limits	National Ambient Air Quality Standards Vide GSR 826(E)16.11.2009			
Parameters	Unit	Result	Limits	Method Of Analysis
General Parameters				
Particulate matter less than 10 micron	µg/m <sup>3</sup>	80.67	100	EPA/625/R-96/010a(Compendium Method IO-2.1): 2017
Particulate matter less than2.5 micron	µg/m <sup>3</sup>	49.70	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017
Sulphur Dioxide	µg/m <sup>3</sup>	36.21	80	IS 5182 ( part II ) 2001,Reaff: 2017
Oxides of Nitrogen	µg/m <sup>3</sup>	40.25	80	IS 5182 ( part VI ) 2006,Reaff:2017
Carbon Monoxide	mg/m <sup>3</sup>	0.92	2.0	IS 5182 ( part X ) 1999,Reaff: 2014
Lead	µg/m <sup>3</sup>	BDL	1	IS 5182 (part XXII) 2004,Reaff:2014
Ozone	µg/m <sup>3</sup>	31.10	100	IS 5182 (part IX) 1974, Reaff: 2014
Ammonia	µg/m <sup>3</sup>	BDL	400	APHA 2nd Edition Method No. 401
Benzene	µg/m <sup>3</sup>	BDL	5	IS 5182 (part XI) 2006, Reaff- 2017
Benzo (a) Pyrene - Particulate Phase only	ng/m <sup>3</sup>	BDL	1	IS 5182 (Part 12):2004,Reaff: 2014
Arsenic	ng/m <sup>3</sup>	BDL	6	APHA 2nd Edition Method No. 822
Nickel	ng/m <sup>3</sup>	BDL	20	APHA 2nd Edition Method No. 822

•BDL: Below Detection Limits.

•Remarks: - Monitoring Results are well within the limits prescribed by NAAQS.

For **GREEN ENVIRO**




**Authorized Signatory**

- Note –**
1. Results relate only to the sample tested.
  2. Test report shall not be reproduced except in full, without written approval of the laboratory
  3. This report, in full or in part, shall not be used for advertising or legal action.

---End of the Report---



## AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

### TEST REPORT

Date – 09/11/2023

Sample/Report No.	GE/LAB/AAQ/JSHPL5			
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.			
Address Of Customer	“Joyville Hinjewadi,Plot – 2 ( Group Housing Project)”, S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P),101/2(P) & 101/3 At Vill- Maan, Tal - Mulshi, Pune - 411057.			
Sample Drawn By	Vendor on 02/11/2023	Sample Received On	03/11/2023	
Start of Analysis	04/11/2023	End Of Analysis	06/11/2023	
Monitoring For	Ambient Air Monitoring	Sampling Location	Near Building H	
Sampling Duration	24 Hrly	Receptor Height	2.00 meter from G.L.	
Ambient Temperature	Max- 31.4 <sup>0</sup> C, Min-19.3 <sup>0</sup> C	Relative Humidity	Max- 73.5%, Min- 67.4%	
Limits	National Ambient Air Quality Standards Vide GSR 826(E)16.11.2009			
Parameters	Unit	Result	Limits	Method Of Analysis
General Parameters				
Particulate matter less than 10 micron	µg/m <sup>3</sup>	62.55	100	EPA/625/R-96/010a(Compendium Method IO-2.1): 2017
Particulate matter less than2.5 micron	µg/m <sup>3</sup>	33.64	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017
Sulphur Dioxide	µg/m <sup>3</sup>	23.26	80	IS 5182 ( part II ) 2001,Reaff: 2017
Oxides of Nitrogen	µg/m <sup>3</sup>	28.43	80	IS 5182 ( part VI ) 2006,Reaff:2017
Carbon Monoxide	mg/m <sup>3</sup>	0.52	2.0	IS 5182 ( part X ) 1999,Reaff: 2014
Lead	µg/m <sup>3</sup>	BDL	1	IS 5182 (part XXII) 2004,Reaff:2014
Ozone	µg/m <sup>3</sup>	18.60	100	IS 5182 (part IX) 1974, Reaff: 2014
Ammonia	µg/m <sup>3</sup>	BDL	400	APHA 2nd Edition Method No. 401
Benzene	µg/m <sup>3</sup>	BDL	5	IS 5182 (part XI) 2006, Reaff- 2017
Benzo (a) Pyrene - Particulate Phase only	ng/m <sup>3</sup>	BDL	1	IS 5182 (Part 12):2004,Reaff: 2014
Arsenic	ng/m <sup>3</sup>	BDL	6	APHA 2nd Edition Method No. 822
Nickel	ng/m <sup>3</sup>	BDL	20	APHA 2nd Edition Method No. 822

●BDL: Below Detection Limits.

●Remarks: - Monitoring Results are well within the limits prescribed by NAAQS.

For **GREEN ENVIRO**




**Authorized Signatory**

**Note** – 1. Results relate only to the sample tested.

2. Test report shall not be reproduced except in full, without written approval of the laboratory

3. This report, in full or in part, shall not be used for advertising or legal action.

---End of the Report---

## AMBIENT NOISE MONITORING ANALYSIS REPORT

### TEST REPORT

Sample/Report No.	GE/LAB/ANM/JSHPL1
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.
Address Of Customer	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report Dated	09/11/2023
Date Of Sampling	Vendor on 02/11/2023 & 03/11/2023
Date Of Analysis	04/11/2023
Monitoring For	Ambient Noise Monitoring
Sampling Location	Near Entry Gate
Limits*	Maharashtra Pollution Control Board has prescribed 55 dB(A) as an upper limit of Noise Level during day time & 45 dB(A) during Night time
Time Of Sampling	1) Day time shall mean from 06:00 A.M. to 10:00 P.M. 2) Night time shall mean from 10:00 P.M. to 06:00 A.M

### RESULTS OF ANALYSIS

TIME	UNIT	READINGS	MPCB LIMITS
06:00 A.M.	dB(A)	47.2	55
07:00 A.M.	dB(A)	48.3	55
08:00 A.M.	dB(A)	49.4	55
09:00 A.M.	dB(A)	46.7	55
10:00 A.M.	dB(A)	52.9	55
11:00 A.M.	dB(A)	53.5	55
12:00 P.M.	dB(A)	51.6	55
13:00 P.M.	dB(A)	53.2	55



TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	54.9	55
15:00 P.M.	dB(A)	54.2	55
16:00 P.M.	dB(A)	53.7	55
17:00 P.M.	dB(A)	51.8	55
18:00 P.M.	dB(A)	50.2	55
19:00 P.M.	dB(A)	50.6	55
20:00 P.M.	dB(A)	51.1	55
21:00 P.M.	dB(A)	46.4	55
22:00 P.M.	dB(A)	43.9	45
23:00 P.M.	dB(A)	44.5	45
00:00 A.M.	dB(A)	43.3	45
01:00 A.M.	dB(A)	42.7	45
02:00 A.M.	dB(A)	42.1	45
03:00 A.M.	dB(A)	40.8	45
04:00 A.M.	dB(A)	41.5	45
05:00 A.M.	dB(A)	40.2	45

**REMARK/OBSERVATIONS:** Ambient Air Quality Standard in respect to Noise

Area code	Category of Area/Zone	Limits in dB (A) Leq*	Limits in dB (A) Leq*
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

1. Silence Zone is defined as an area comprising not less than 100 meters around hospitals, educational institute and courts. The silence zones are zones which are declared as such by the competent authority.
2. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

For **GREEN ENVIRO**




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## AMBIENT NOISE MONITORING ANALYSIS REPORT

### TEST REPORT

Sample/Report No.	GE/LAB/ANM/JSHPL2
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.
Address Of Customer	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report Dated	09/11/2023
Date Of Sampling	Vendor on 02/11/2023 & 03/11/2023
Date Of Analysis	04/11/2023
Monitoring For	Ambient Noise Monitoring
Sampling Location	Steel Yard
Limits*	Maharashtra Pollution Control Board has prescribed 55 dB(A) as an upper limit of Noise Level during day time & 45 dB(A) during Night time
Time Of Sampling	1) Day time shall mean from 06:00 A.M. to 10:00 P.M. 2) Night time shall mean from 10:00 P.M. to 06:00 A.M

### RESULTS OF ANALYSIS

TIME	UNIT	READINGS	MPCB LIMITS
06:00 A.M.	dB(A)	45.9	55
07:00 A.M.	dB(A)	46.1	55
08:00 A.M.	dB(A)	47.7	55
09:00 A.M.	dB(A)	48.8	55
10:00 A.M.	dB(A)	50.4	55
11:00 A.M.	dB(A)	49.6	55
12:00 P.M.	dB(A)	51.5	55
13:00 P.M.	dB(A)	53.2	55



TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	53.5	55
15:00 P.M.	dB(A)	54.1	55
16:00 P.M.	dB(A)	54.8	55
17:00 P.M.	dB(A)	52.7	55
18:00 P.M.	dB(A)	51.2	55
19:00 P.M.	dB(A)	50.2	55
20:00 P.M.	dB(A)	50.9	55
21:00 P.M.	dB(A)	51.7	55
22:00 P.M.	dB(A)	44.3	45
23:00 P.M.	dB(A)	44.6	45
00:00 A.M.	dB(A)	42.5	45
01:00 A.M.	dB(A)	43.7	45
02:00 A.M.	dB(A)	40.6	45
03:00 A.M.	dB(A)	42.3	45
04:00 A.M.	dB(A)	40.9	45
05:00 A.M.	dB(A)	41.4	45

**REMARK/OBSERVATIONS:** Ambient Air Quality Standard in respect to Noise

Area code	Category of Area/Zone	Limits in dB (A) Leq*	Limits in dB (A) Leq*
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

1. Silence Zone is defined as an area comprising not less than 100 meters around hospitals, educational institute and courts. The silence zones are zones which are declared as such by the competent authority.
2. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

For **GREEN ENVIRO**




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## AMBIENT NOISE MONITORING ANALYSIS REPORT

### TEST REPORT

Sample/Report No.	GE/LAB/ANM/JSHPL3
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.
Address Of Customer	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report Dated	09/11/2023
Date Of Sampling	Vendor on 02/11/2023 & 03/11/2023
Date Of Analysis	04/11/2023
Monitoring For	Ambient Noise Monitoring
Sampling Location	Near Building B
Limits*	Maharashtra Pollution Control Board has prescribed 55 dB(A) as an upper limit of Noise Level during day time & 45 dB(A) during Night time
Time Of Sampling	1) Day time shall mean from 06:00 A.M. to 10:00 P.M. 2) Night time shall mean from 10:00 P.M. to 06:00 A.M

### RESULTS OF ANALYSIS

TIME	UNIT	READINGS	MPCB LIMITS
06:00 A.M.	dB(A)	46.7	55
07:00 A.M.	dB(A)	48.4	55
08:00 A.M.	dB(A)	47.5	55
09:00 A.M.	dB(A)	49.6	55
10:00 A.M.	dB(A)	50.8	55
11:00 A.M.	dB(A)	49.9	55
12:00 P.M.	dB(A)	47.3	55
13:00 P.M.	dB(A)	51.1	55





TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	50.2	55
15:00 P.M.	dB(A)	52.6	55
16:00 P.M.	dB(A)	51.4	55
17:00 P.M.	dB(A)	54.9	55
18:00 P.M.	dB(A)	52.4	55
19:00 P.M.	dB(A)	54.6	55
20:00 P.M.	dB(A)	53.7	55
21:00 P.M.	dB(A)	51.1	55
22:00 P.M.	dB(A)	42.9	45
23:00 P.M.	dB(A)	43.7	45
00:00 A.M.	dB(A)	42.5	45
01:00 A.M.	dB(A)	40.9	45
02:00 A.M.	dB(A)	40.2	45
03:00 A.M.	dB(A)	40.6	45
04:00 A.M.	dB(A)	41.7	45
05:00 A.M.	dB(A)	41.1	45

**REMARK/OBSERVATIONS:** Ambient Air Quality Standard in respect to Noise

Area code	Category of Area/Zone	Limits in dB (A) Leq*	Limits in dB (A) Leq*
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

1. Silence Zone is defined as an area comprising not less than 100 meters around hospitals, educational institute and courts. The silence zones are zones which are declared as such by the competent authority.
2. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

For **GREEN ENVIRO**




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## AMBIENT NOISE MONITORING ANALYSIS REPORT

### TEST REPORT

Sample/Report No.	GE/LAB/ANM/JSHPL4
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.
Address Of Customer	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report Dated	09/11/2023
Date Of Sampling	Vendor on 02/11/2023 & 03/11/2023
Date Of Analysis	04/11/2023
Monitoring For	Ambient Noise Monitoring
Sampling Location	Near Building C
Limits*	Maharashtra Pollution Control Board has prescribed 55 dB(A) as an upper limit of Noise Level during day time & 45 dB(A) during Night time
Time Of Sampling	1) Day time shall mean from 06:00 A.M. to 10:00 P.M. 2) Night time shall mean from 10:00 P.M. to 06:00 A.M

### RESULTS OF ANALYSIS

TIME	UNIT	READINGS	MPCB LIMITS
06:00 A.M.	dB(A)	45.1	55
07:00 A.M.	dB(A)	46.2	55
08:00 A.M.	dB(A)	47.3	55
09:00 A.M.	dB(A)	45.4	55
10:00 A.M.	dB(A)	48.6	55
11:00 A.M.	dB(A)	50.9	55
12:00 P.M.	dB(A)	49.8	55
13:00 P.M.	dB(A)	52.1	55





TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	52.4	55
15:00 P.M.	dB(A)	53.6	55
16:00 P.M.	dB(A)	54.4	55
17:00 P.M.	dB(A)	54.1	55
18:00 P.M.	dB(A)	54.7	55
19:00 P.M.	dB(A)	53.6	55
20:00 P.M.	dB(A)	51.3	55
21:00 P.M.	dB(A)	52.6	55
22:00 P.M.	dB(A)	44.8	45
23:00 P.M.	dB(A)	44.2	45
00:00 A.M.	dB(A)	43.3	45
01:00 A.M.	dB(A)	44.6	45
02:00 A.M.	dB(A)	42.8	45
03:00 A.M.	dB(A)	41.7	45
04:00 A.M.	dB(A)	41.1	45
05:00 A.M.	dB(A)	40.5	45

**REMARK/OBSERVATIONS:** Ambient Air Quality Standard in respect to Noise

Area code	Category of Area/Zone	Limits in dB (A) Leq*	Limits in dB (A) Leq*
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

1. Silence Zone is defined as an area comprising not less than 100 meters around hospitals, educational institute and courts. The silence zones are zones which are declared as such by the competent authority.
2. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

For **GREEN ENVIRO**




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## AMBIENT NOISE MONITORING ANALYSIS REPORT

### TEST REPORT

Sample/Report No.	GE/LAB/ANM/JSHPL5
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.
Address Of Customer	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report Dated	09/11/2023
Date Of Sampling	Vendor on 02/11/2023 & 03/11/2023
Date Of Analysis	04/11/2023
Monitoring For	Ambient Noise Monitoring
Sampling Location	Near Building H
Limits*	Maharashtra Pollution Control Board has prescribed 55 dB(A) as an upper limit of Noise Level during day time & 45 dB(A) during Night time
Time Of Sampling	1) Day time shall mean from 06:00 A.M. to 10:00 P.M. 2) Night time shall mean from 10:00 P.M. to 06:00 A.M

### RESULTS OF ANALYSIS

TIME	UNIT	READINGS	MPCB LIMITS
06:00 A.M.	dB(A)	47.8	55
07:00 A.M.	dB(A)	49.5	55
08:00 A.M.	dB(A)	48.2	55
09:00 A.M.	dB(A)	46.6	55
10:00 A.M.	dB(A)	50.9	55
11:00 A.M.	dB(A)	48.8	55
12:00 P.M.	dB(A)	45.7	55
13:00 P.M.	dB(A)	46.1	55



TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	53.7	55
15:00 P.M.	dB(A)	54.2	55
16:00 P.M.	dB(A)	53.6	55
17:00 P.M.	dB(A)	52.8	55
18:00 P.M.	dB(A)	54.6	55
19:00 P.M.	dB(A)	54.4	55
20:00 P.M.	dB(A)	52.4	55
21:00 P.M.	dB(A)	53.2	55
22:00 P.M.	dB(A)	43.1	45
23:00 P.M.	dB(A)	43.9	45
00:00 A.M.	dB(A)	42.7	45
01:00 A.M.	dB(A)	42.2	45
02:00 A.M.	dB(A)	41.9	45
03:00 A.M.	dB(A)	40.5	45
04:00 A.M.	dB(A)	41.4	45
05:00 A.M.	dB(A)	40.3	45

**REMARK/OBSERVATIONS:** Ambient Air Quality Standard in respect to Noise

Area code	Category of Area/Zone	Limits in dB (A) Leq*	Limits in dB (A) Leq*
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

1. Silence Zone is defined as an area comprising not less than 100 meters around hospitals, educational institute and courts. The silence zones are zones which are declared as such by the competent authority.
2. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

For **GREEN ENVIRO**




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## SOURCE EMISSION MONITORING ANALYSIS REPORT

CLIENT'S NAME	M/s. Joyville Shapoorji Housing Pvt. Ltd.
CLIENT'S ADDRESS	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
REPORT NO.	GE/LAB/A/JSHPL1
DATED	09/11/2023
LAB REFERENCE NO	GE/LAB/A/JSHPL01
DATE OF SAMPLING	02/11/2023
DATE OF ANALYSIS	03/11/2023

### RESULTS OF ANALYSIS

Test Description	Unit	Result	Limits	Method Of Analysis
Nature of sample	----	Stack Monitoring (DG Set 320 KVA)		
Duration Of Sampling	Min	20		
Material Of Stack	----	MS		
Stack Height From G.L.	Mtr	3.5		
Shape Of Stack	----	Round		
Flue Gas Temperature	Deg C	81		
Average Velocity	M/Sec	5.96		
Fuel Consumption	----	HSD		
Fuel Consumption	Lit/Hr	15		
Gas Volume	NM <sup>3</sup> /Hr	636.92		
Diameter	(M)	0.17		
Cross Sectional Area	(M <sup>2</sup> )	0.0303		
Total Particulate Matter	Mg/NM <sup>3</sup>	62.40	150	IS11255 (part 1)1985,2014
Sulphur Dioxide	Kg/Day	3.98	N.S.	IS11255 (part 2)1985,2014

N.S. - Not Specified

**REMARK/OBSERVATIONS:** Monitoring results are well within the limits prescribed by MPCB.

For **GREEN ENVIRO**




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## DG NOISE MONITORING ANALYSIS REPORT

### TEST REPORT

Sample/Report No.	GE/LAB/DGNM/JSHPL1
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.
Address Of Customer	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report Dated	09/11/2023
Date Of Sampling	Vendor on 02/11/2023
Date Of Analysis	03/11/2023
Monitoring For	DG Noise Monitoring
Sampling Location	<b>DG Set - 320 KVA</b>
Limits*	1) Maharashtra Pollution Control Board has prescribed in consent, acoustic enclosure / acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standard, whichever is on higher side. 2) Maharashtra Pollution Control Board has prescribed 75 dB(A) as an upper limit of Noise Level during day time & 70 dB(A) during Night time
Time Of Sampling	1) Day time shall mean from 06:00 A.M. to 10:00 P.M. 2) Night time shall mean from 10:00 P.M. to 06:00 A.M

### RESULTS OF ANALYSIS

Description	Test Location	Unit	READINGS		Insertion Loss $\geq 25$ Db	
			13:10 Hrs. Day Time	22:00 Hrs. Night Time	13:10 Hrs. Day Time	22:00 Hrs. Night Time
<b>DG Set (320 KVA)</b>	DG Set #320KVA Inside Acoustic Enclosure	dB(A)	99.8	95.6	26.9	27.3
	DG Set #320KVA Outside Acoustic Enclosure from 0.5 meter away	dB(A)	72.9	68.3		

**REMARK/OBSERVATIONS:** All above Results are within MPCB Limits.

For **GREEN ENVIRO**




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## DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

CLIENT'S NAME	M/s. Joyville Shapoorji Housing Pvt. Ltd.
CLIENT'S ADDRESS	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2 (P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report No: - GE/LAB/W/JSHPL01	Dated:- 09/11/2023
Lab Reference No: GE/LAB/W/JSHPL01	Date Of Sampling: - 02/11/2023
Date Of Analysis: - 03/11/2023	Details Of Sample : Drinking Water Sample – Site Area
Sample Collected By – Green Enviro	Sample Container – Sterilized Bottle

### RESULTS OF ANALYSIS

Parameter	Unit	Result	Standard : (IS 10500:2012)	Method Of Analysis
pH	Value	7.27	6.5 - 8.5	IS 3025 (Part II) 1983, Reaff: 2017
Total Dissolved Solids	mg/lit	73.46	500	IS 3025 (Part XVI) 1984, Reaff: 2017
Total Suspended Solids	mg/lit	02.95	Not Specified	IS 3025 (Part XVII) 1984, Reaff- 2017
Colour	----	Colorless	Colorless	IS 3025 (Part IV ) 1983
Odour	----	Odorless	Odorless	APHA 23 <sup>rd</sup> Edition(Part 2150B)
Turbidity	NTU	< 0.20	< 5	IS 3025 (Part X) 1984, Reaff: 2017
Total Hardness	mg/lit	30.97	200	IS 3025 (Part XXI) 2009, Reaff: 2019
Calcium Hardness	mg/lit	15.74	Not Specified	IS 3025 (Part 40) 1991, Reaff: 2019
Magnesium Hardness	mg/lit	15.23	Not Specified	IS 3025 (Part 46) 1994, Reaff: 2019
Chloride	mg/lit	10.45	250	IS 3025 (Part 32) 1998, Reaff: 2019





## DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

Parameter	Unit	Result	Standard: (IS10500:2012)	Method Of Analysis
Sulphate	mg/lit	08.81	200	IS 3025 (Part 24) 1986, Reaff: 2019
Total alkalinity	mg/lit	60.32	200	IS 3025 (Part 23) 1986, Reaff: 2019
Fluoride	mg/lit	Absent	1.0	IS 3025 (Part 60) 2008
Nitrates	mg/lit	Absent	45	APHA 23 <sup>rd</sup> Edition, (Part 4500-NO <sub>3</sub> <sup>-</sup> B)
Cyanide	mg/lit	Absent	0.05	APHA 23 <sup>rd</sup> Edition, (Part 4500-CN <sup>-</sup> C)
Residual free chlorine	mg/lit	Absent	0.2	APHA 23 <sup>rd</sup> Edition, (Part 4500-Cl B)
Copper	mg/lit	Absent	Max 0.05	IS:3025 (Part 42) 1992, Reaff: 2019
Mercury	mg/lit	Absent	Max 0.001	APHA 23 <sup>rd</sup> Edition, (Part 3500Hg)
Cadmium	mg/lit	Absent	Max 0.003	APHA 23 <sup>rd</sup> Edition, (Part 3500-Cd)
Lead	mg/lit	Absent	Max 0.01	IS 3025 (Part 47) 1994, Reaff: 2019
Zinc	mg/lit	Absent	5.0	IS 3025 (Part 49) 1994, Reaff: 2019
Coliform Organism	mg/lit	Absent	Not Specified	IS: 1622 – 1981
Nickel	mg/lit	Absent	Max 0.02	IS 3025 (Part 54) 2003, Reaff: 2019,
Polychlorinated biphenyls	mg/lit	Absent	0.0005	APHA 23 <sup>rd</sup> Edition, (Part 6431 B)
Total chromium	mg/lit	Absent	Max 0.05	APHA 23 <sup>rd</sup> Edition, (Part 3111B)
Total arsenic	mg/lit	Absent	Max 0.01	APHA 23 <sup>rd</sup> Edition, (Part 3500-As B)
Aluminium	mg/lit	Absent	Max 0.03	APHA 23 <sup>rd</sup> Edition, (Part 3111 D)
Ammonia(as total ammonia- N)	mg/lit	Absent	Not Specified	APHA 23 <sup>rd</sup> Edition, (Part 4500-NH 3C)
Boron	mg/lit	Absent	Max 0.5	APHA 23 <sup>rd</sup> Edition, (Part 4500-B C)
Silver	mg/lit	Absent	0.1	APHA 16 <sup>th</sup> Edition, (Part 324B)
Sulphide	mg/lit	Absent	0.05	APHA 23 <sup>rd</sup> Edition, (part 4500-D)



## DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

Parameter	Unit	Result	Standard: (IS10500:2012)	Method Of Analysis
Mineral oil	mg/lit	Nil	0.05	IS 3025 (Part 39)
Anionic detergents	mg/lit	Nil	Max 0.2	APHA 23 <sup>rd</sup> Edition, (Part 5540 C)
Chloramines	mg/lit	Nil	Max 4.0	APHA 23 <sup>rd</sup> Edition, (Part 4500-Cl G)
Selenium	mg/lit	Nil	Max 0.01	APHA 23 <sup>rd</sup> Edition, (Part 3500-Se C)
DDT	µg/lit	Nil	1.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
2,4 D	µg/lit	Nil	3.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Gamma-HCH (Lindane)	µg/lit	Nil	2.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Endosulfan	µg/lit	Nil	0.4	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Atrazine	µg/lit	Nil	2.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Reactive Silica	Ppm	Nil	0.02	APHA 23 <sup>rd</sup> Edition, (Part 4500- SiO <sub>2</sub> D)
Sodium	mg/lit	BDL	Not Specified	APHA 23 <sup>rd</sup> Edition, (Part 3500 Na B)
Potassium	mg/lit	BDL	Not Specified	APHA 23 <sup>rd</sup> Edition, (Part 3500-K B)
Phosphorous	mg/lit	BDL	Not Specified	IS 3025 (Part 31) 1988, Reaff – 2019
Iron	mg/lit	Nil	0.3	IS 3025 (Part 53) 2003, Reaff – 2019
Most Probable Number	/100ml	Absent	0/100ml	IS: 1622 – 1981, Multiple tube technique
E. coli	/100ml	Absent	0-1/100ml	IS: 5887 -1 & IS15186:2002 Multiple tube technique
Total Coliform	/100ml	Absent	0-1/100ml	IS:1622-1981, Multiple tube technique
Total Viable Count	/100ml	Absent	0-1/100ml	IS: 5402 : 2012
Fecal	/100ml	Absent	0-1/100ml	APHA 23 <sup>rd</sup> Edition Part 9230- B, Page 9-118

• BDL: - Below Detection Limits

For **GREEN ENVIRO**



**Authorized Signatory**



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**---End of the Report---**

📍 **Regd. Office** : Sr.No.167/2B & 168/2B, Plot No.7,  
Wireless Colony, Aundh, Pune - 411007.

📍 **Laboratory** : Sr.No.45A/1-4A/4. "PARSHURAM",  
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## DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

CLIENT'S NAME	M/s. Joyville Shapoorji Housing Pvt. Ltd.
CLIENT'S ADDRESS	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2 (P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report No: - GE/LAB/W/JSHPL02	Dated:- 09/11/2023
Lab Reference No:GE/LAB/W/JSHPL02	Date Of Sampling: - 02/11/2023
Date Of Analysis: - 03/11/2023	Details Of Sample : Drinking Water – Office
Sample Collected By – Green Enviro	Sample Container – Sterilized Bottle

### RESULTS OF ANALYSIS

Parameter	Unit	Result	Standard : (IS 10500:2012)	Method Of Analysis
pH	Value	7.20	6.5 - 8.5	IS 3025 (Part II) 1983, Reaff: 2017
Total Dissolved Solids	mg/lit	66.31	500	IS 3025 (Part XVI) 1984, Reaff: 2017
Total Suspended Solids	mg/lit	02.47	Not Specified	IS 3025 (Part XVII) 1984, Reaff- 2017
Colour	----	Colorless	Colorless	IS 3025 (Part IV ) 1983
Odour	----	Odorless	Odorless	APHA 23 <sup>rd</sup> Edition(Part 2150B)
Turbidity	NTU	< 0.18	< 5	IS 3025 (Part X) 1984, Reaff: 2017
Total Hardness	mg/lit	27.71	200	IS 3025 (Part XXI) 2009, Reaff: 2019
Calcium Hardness	mg/lit	14.46	Not Specified	IS 3025 (Part 40) 1991, Reaff: 2019
Magnesium Hardness	mg/lit	13.25	Not Specified	IS 3025 (Part 46) 1994, Reaff: 2019
Chloride	mg/lit	9.21	250	IS 3025 (Part 32) 1998, Reaff: 2019





## DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

Parameter	Unit	Result	Standard: (IS10500:2012)	Method Of Analysis
Sulphate	mg/lit	6.43	200	IS 3025 (Part 24) 1986, Reaff: 2019
Total alkalinity	mg/lit	56.12	200	IS 3025 (Part 23) 1986, Reaff: 2019
Fluoride	mg/lit	Absent	1.0	IS 3025 (Part 60) 2008
Nitrates	mg/lit	Absent	45	APHA 23 <sup>rd</sup> Edition, (Part 4500-NO <sub>3</sub> <sup>-</sup> B)
Cyanide	mg/lit	Absent	0.05	APHA 23 <sup>rd</sup> Edition, (Part 4500-CN <sup>-</sup> C)
Residual free chlorine	mg/lit	Absent	0.2	APHA 23 <sup>rd</sup> Edition, (Part 4500-Cl B)
Copper	mg/lit	Absent	Max 0.05	IS:3025 (Part 42) 1992, Reaff: 2019
Mercury	mg/lit	Absent	Max 0.001	APHA 23 <sup>rd</sup> Edition, (Part 3500Hg)
Cadmium	mg/lit	Absent	Max 0.003	APHA 23 <sup>rd</sup> Edition, (Part 3500-Cd)
Lead	mg/lit	Absent	Max 0.01	IS 3025 (Part 47) 1994, Reaff: 2019
Zinc	mg/lit	Absent	5.0	IS 3025 (Part 49) 1994, Reaff: 2019
Coliform Organism	mg/lit	Absent	Not Specified	IS: 1622 – 1981
Nickel	mg/lit	Absent	Max 0.02	IS 3025 (Part 54) 2003, Reaff: 2019,
Polychlorinated biphenyls	mg/lit	Absent	0.0005	APHA 23 <sup>rd</sup> Edition, (Part 6431 B)
Total chromium	mg/lit	Absent	Max 0.05	APHA 23 <sup>rd</sup> Edition, (Part 3111B)
Total arsenic	mg/lit	Absent	Max 0.01	APHA 23 <sup>rd</sup> Edition, (Part 3500-As B)
Aluminium	mg/lit	Absent	Max 0.03	APHA 23 <sup>rd</sup> Edition, (Part 3111 D)
Ammonia(as total ammonia- N)	mg/lit	Absent	Not Specified	APHA 23 <sup>rd</sup> Edition, (Part 4500-NH 3C)
Boron	mg/lit	Absent	Max 0.5	APHA 23 <sup>rd</sup> Edition, (Part 4500-B C)
Silver	mg/lit	Absent	0.1	APHA 16 <sup>th</sup> Edition, (Part 324B)
Sulphide	mg/lit	Absent	0.05	APHA 23 <sup>rd</sup> Edition, (part 4500-D)



## DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

Parameter	Unit	Result	Standard: (IS10500:2012)	Method Of Analysis
Mineral oil	mg/lit	Nil	0.05	IS 3025 (Part 39)
Anionic detergents	mg/lit	Nil	Max 0.2	APHA 23 <sup>rd</sup> Edition, (Part 5540 C)
Chloramines	mg/lit	Nil	Max 4.0	APHA 23 <sup>rd</sup> Edition, (Part 4500-Cl G)
Selenium	mg/lit	Nil	Max 0.01	APHA 23 <sup>rd</sup> Edition, (Part 3500-Se C)
DDT	µg/lit	Nil	1.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
2,4 D	µg/lit	Nil	3.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Gamma-HCH (Lindane)	µg/lit	Nil	2.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Endosulfan	µg/lit	Nil	0.4	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Atrazine	µg/lit	Nil	2.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Reactive Silica	Ppm	Nil	0.02	APHA 23 <sup>rd</sup> Edition, (Part 4500- SiO <sub>2</sub> D)
Sodium	mg/lit	BDL	Not Specified	APHA 23 <sup>rd</sup> Edition, (Part 3500 Na B)
Potassium	mg/lit	BDL	Not Specified	APHA 23 <sup>rd</sup> Edition, (Part 3500-K B)
Phosphorous	mg/lit	BDL	Not Specified	IS 3025 (Part 31) 1988, Reaff – 2019
Iron	mg/lit	Nil	0.3	IS 3025 (Part 53) 2003, Reaff – 2019
Most Probable Number	/100ml	Absent	0/100ml	IS: 1622 – 1981, Multiple tube technique
E. coli	/100ml	Absent	0-1/100ml	IS: 5887 -1 & IS15186:2002 Multiple tube technique
Total Coliform	/100ml	Absent	0-1/100ml	IS:1622-1981, Multiple tube technique
Total Viable Count	/100ml	Absent	0-1/100ml	IS: 5402 : 2012
Fecal	/100ml	Absent	0-1/100ml	APHA 23 <sup>rd</sup> Edition Part 9230- B, Page 9-118

• BDL: - Below Detection Limits

For **GREEN ENVIRO**



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**---End of the Report---**

## SOIL ANALYSIS REPORT

<b>CLIENT'S NAME</b>			<b>M/s. Joyville Shapoorji Housing Pvt. Ltd.</b>	
<b>CLIENT'S ADDRESS</b>			"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill- Maan, Tal- Mulshi, Pune -57.	
Report No: - GE/LAB/S/JSHPL1			Dated:- 09/11/2023	
Lab Reference No: GE/LAB/S/ JSHPL01			Date Of Sampling: - 02/11/2023	
Date Of Analysis: - 03/11/2023			Details Of Sample- Soil Sample - Near Building B	
Sample Collected By – Green Enviro			Sample Container – Zip Lock Plastic Bag	
Sr. No	Parameter	Unit	Result	Method Of Analysis
01	Appearance	----	Blackish	-
02	Texture			
A	Clay	%	72.57	Method manual soil testing
B	Silt	%	18.35	Method manual soil testing
C	Sand	%	5.79	Method manual soil testing
D	Gravel	%	3.29	Method manual soil testing
03	pH	Value	7.62	IS 2720 Part -26 1987 RA2002
04	Moisture Content	%	35.27	IS 15106 2002
05	Conductivity	mmhos	0.5263	IS 14767 : 2000
06	Water holding Capacity	%	40.06	IS 14765 2000
07	Copper as Cu	mg/kg	BDL	IS 6092 Part- 5 1985
08	Zinc as Zn	mg/kg	BDL	IS 6092 Part- 5 1985
09	Lead as Pb	mg/kg	BDL	IS 6092 Part- 5 1985
10	Cadmium as Cd	mg/kg	BDL	IS 6092 Part- 5 1985
11	Iron as Fe	mg/kg	2.116	IS 6092 Part- 5 1985
12	Manganese as Mn	mg/kg	0.075	IS 6092 Part- 5 1985
13	Aluminium as Al	mg/kg	BDL	IS 6092 Part- 5 1985
14	Tin as Sn	mg/kg	0.0082	IS 6092 Part- 5 1985
15	Arsenic as As	mg/kg	Nil	IS 6092 Part- 5 1985
16	Phosphorous as P	mg/kg	BDL	IS 6092 (Part 3) 2004
17	Total Nitrogen as N	mg/kg	8920	Method manual soil testing
18	Potassium as K	mg/kg	221.6	IS 2799 -1980
19	Sodium as Na	mg/kg	5.23	IS 2799 -1980

•BDL: Below Detection Limits.

For **GREEN ENVIRO**




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## SOIL ANALYSIS REPORT

<b>CLIENT'S NAME</b>			<b>M/s. Joyville Shapoorji Housing Pvt. Ltd.</b>	
<b>CLIENT'S ADDRESS</b>			"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill- Maan, Tal- Mulshi, Pune -57.	
Report No: - GE/LAB/S/ JSHPL2			Dated:- 09/11/2023	
Lab Reference No: GE/LAB/S/ JSHPL02			Date Of Sampling: - 02/11/2023	
Date Of Analysis: - 03/11/2023			Details Of Sample- Soil Sample - Near Building C	
Sample Collected By – Green Enviro			Sample Container – Zip Lock Plastic Bag	
Sr. No	Parameter	Unit	Result	Method Of Analysis
01	Appearance	----	Black	-
02	Texture			
A	Clay	%	75.91	Method manual soil testing
B	Silt	%	13.37	Method manual soil testing
C	Sand	%	4.68	Method manual soil testing
D	Gravel	%	6.04	Method manual soil testing
03	pH	Value	7.76	IS 2720 Part -26 1987 RA2002
04	Moisture Content	%	38.09	IS 15106 2002
05	Conductivity	mmhos	0.6451	IS 14767 : 2000
06	Water holding Capacity	%	43.30	IS 14765 2000
07	Copper as Cu	mg/kg	BDL	IS 6092 Part- 5 1985
08	Zinc as Zn	mg/kg	BDL	IS 6092 Part- 5 1985
09	Lead as Pb	mg/kg	BDL	IS 6092 Part- 5 1985
10	Cadmium as Cd	mg/kg	BDL	IS 6092 Part- 5 1985
11	Iron as Fe	mg/kg	2.613	IS 6092 Part- 5 1985
12	Manganese as Mn	mg/kg	0.097	IS 6092 Part- 5 1985
13	Aluminium as Al	mg/kg	BDL	IS 6092 Part- 5 1985
14	Tin as Sn	mg/kg	0.0132	IS 6092 Part- 5 1985
15	Arsenic as As	mg/kg	Nil	IS 6092 Part- 5 1985
16	Phosphorous as P	mg/kg	BDL	IS 6092 (Part 3) 2004
17	Total Nitrogen as N	mg/kg	9528	Method manual soil testing
18	Potassium as K	mg/kg	269.1	IS 2799 -1980
19	Sodium as Na	mg/kg	5.98	IS 2799 -1980

●BDL: Below Detection Limits.

For **GREEN ENVIRO**




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## WATER QUALITY MONITORING ANALYSIS REPORT

CLIENT'S NAME	M/s. Shapoorji Pallonji & Company Pvt. Ltd.
CLIENT'S ADDRESS	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill- Maan, Tal- Mulshi, Pune -57.
Report No: - GE/LAB/W/SPCPL3	Dated:- 09/11/2023
Lab Reference No: GE/LAB/W/SPCPL03	Date Of Sampling: - 02/11/2023
Date Of Analysis – 03/11/2023	Details Of Sample – Sewage Wastewater
Sample Collected By – Green Enviro	Sample Container – Plastic Bottle
Sample Nature – Treated Industrial Effluent	Location – STP

### RESULTS OF ANALYSIS

Parameter	Unit	Result	Limits	Method of Analysis
pH	mg/lit	7.23	Not Specified	IS 3025 (Part II) 1983, Reaff: 2017
Suspended Solids	mg/lit	32.91	< 100	IS 3025(Part XVII) 1984, Reaff:2017
Biochemical Oxygen Demand (27 degrees for 3 days)	mg/lit	19.56	< 100	IS:3025 (Part 44) 1993, Reaff:2019
Chemical Oxygen Demand	mg/lit	43.49	< 150	IS 3025 (Part 58) 2006, Reaff: 2017
Total Dissolved Solids	mg/lit	732.8	< 2100	IS 3025 (Part XVI) 1984, Reaff: 2017
Total Oil & Grease	mg/lit	BDL	< 10	APHA 23 <sup>rd</sup> Edition, Part 5520 B

• BDL: - Below Detection Limits

• **REMARK:** Monitoring Results are well within the limits prescribed by MPCB

For **GREEN ENVIRO**




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## AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

### TEST REPORT

Date – 07/02/2024

Sample/Report No.	GE/LAB/AAQ/JSHPL1			
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.			
Address Of Customer	“Joyville Hinjewadi,Plot – 2 ( Group Housing Project)”, S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P),101/2(P) & 101/3 At Vill- Maan, Tal- Mulshi, Pune - 411057.			
Sample Drawn By	Vendor on 01/02/2024	Sample Received On	02/02/2024	
Start of Analysis	03/02/2024	End Of Analysis	05/02/2024	
Monitoring For	Ambient Air Monitoring	Sampling Location	Near Entry Gate	
Sampling Duration	24 Hrly	Receptor Height	2.00 meter from G.L.	
Ambient Temperature	Max- 32.9 <sup>0</sup> C, Min-15.1 <sup>0</sup> C	Relative Humidity	Max- 50.4%, Min- 43.3%	
Limits	National Ambient Air Quality Standards Vide GSR 826(E)16.11.2009			
Parameters	Unit	Result	Limits	Method Of Analysis
General Parameters				
Particulate matter less than 10 micron	µg/m <sup>3</sup>	80.12	100	EPA/625/R-96/010a(Compendium Method IO-2.1): 2017
Particulate matter less than2.5 micron	µg/m <sup>3</sup>	49.86	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017
Sulphur Dioxide	µg/m <sup>3</sup>	37.75	80	IS 5182 ( part II ) 2001,Reaff: 2017
Oxides of Nitrogen	µg/m <sup>3</sup>	42.64	80	IS 5182 ( part VI ) 2006,Reaff:2017
Carbon Monoxide	mg/m <sup>3</sup>	0.91	2.0	IS 5182 ( part X ) 1999,Reaff: 2014
Lead	µg/m <sup>3</sup>	BDL	1	IS 5182 (part XXII) 2004,Reaff:2014
Ozone	µg/m <sup>3</sup>	32.45	100	IS 5182 (part IX) 1974, Reaff: 2014
Ammonia	µg/m <sup>3</sup>	N.D.	400	APHA 2nd Edition Method No. 401
Benzene	µg/m <sup>3</sup>	BDL	5	IS 5182 (part XI) 2006, Reaff- 2017
Benzo (a) Pyrene - Particulate Phase only	ng/m <sup>3</sup>	BDL	1	IS 5182 (Part 12):2004,Reaff: 2014
Arsenic	ng/m <sup>3</sup>	BDL	6	APHA 2nd Edition Method No. 822
Nickel	ng/m <sup>3</sup>	BDL	20	APHA 2nd Edition Method No. 822

●BDL: Below Detection Limits.

●Remarks: - Monitoring Results are well within the limits prescribed by NAAQS.

For **GREEN ENVIRO**




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## AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

### TEST REPORT

Date – 07/02/2024

Sample/Report No.	GE/LAB/AAQ/JSHPL2			
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.			
Address Of Customer	“Joyville Hinjewadi,Plot – 2 ( Group Housing Project)”, S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P),101/2(P) & 101/3 At Vill- Maan, Tal- Mulshi,Pune -411057.			
Sample Drawn By	Vendor on 01/02/2024	Sample Received On	02/02/2024	
Start of Analysis	03/02/2024	End Of Analysis	05/02/2024	
Monitoring For	Ambient Air Monitoring	Sampling Location	Steel Yard	
Sampling Duration	24 Hrly	Receptor Height	2.00 meter from G.L.	
Ambient Temperature	Max- 32.6 <sup>0</sup> C, Min-14.8 <sup>0</sup> C	Relative Humidity	Max- 50.7%, Min- 43.6%	
Limits	National Ambient Air Quality Standards Vide GSR 826(E)16.11.2009			
Parameters	Unit	Result	Limits	Method Of Analysis
General Parameters				
Particulate matter less than 10 micron	µg/m <sup>3</sup>	89.23	100	EPA/625/R-96/010a(Compendium Method IO-2.1): 2017
Particulate matter less than2.5 micron	µg/m <sup>3</sup>	55.35	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017
Sulphur Dioxide	µg/m <sup>3</sup>	43.86	80	IS 5182 ( part II ) 2001,Reaff: 2017
Oxides of Nitrogen	µg/m <sup>3</sup>	47.19	80	IS 5182 ( part VI ) 2006,Reaff:2017
Carbon Monoxide	mg/m <sup>3</sup>	1.16	2.0	IS 5182 ( part X ) 1999,Reaff: 2014
Lead	µg/m <sup>3</sup>	BDL	1	IS 5182 (part XXII) 2004,Reaff:2014
Ozone	µg/m <sup>3</sup>	37.20	100	IS 5182 (part IX) 1974, Reaff: 2014
Ammonia	µg/m <sup>3</sup>	BDL	400	APHA 2nd Edition Method No. 401
Benzene	µg/m <sup>3</sup>	BDL	5	IS 5182 (part XI) 2006, Reaff- 2017
Benzo (a) Pyrene - Particulate Phase only	ng/m <sup>3</sup>	BDL	1	IS 5182 (Part 12):2004,Reaff: 2014
Arsenic	ng/m <sup>3</sup>	BDL	6	APHA 2nd Edition Method No. 822
Nickel	ng/m <sup>3</sup>	BDL	20	APHA 2nd Edition Method No. 822

●BDL: Below Detection Limits.

●Remarks: - Monitoring Results are well within the limits prescribed by NAAQS.

For **GREEN ENVIRO**




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## AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

### TEST REPORT

Date – 07/02/2024

Sample/Report No.	GE/LAB/AAQ/JSHPL3			
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.			
Address Of Customer	“Joyville Hinjewadi,Plot – 2 ( Group Housing Project)”, S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P),101/2(P) & 101/3 At Vill- Maan, Tal - Mulshi, Pune - 411057.			
Sample Drawn By	Vendor on 01/02/2024	Sample Received On	02/02/2024	
Start of Analysis	03/02/2024	End Of Analysis	05/02/2024	
Monitoring For	Ambient Air Monitoring	Sampling Location	Near Building B	
Sampling Duration	24 Hrly	Receptor Height	2.00 meter from G.L.	
Ambient Temperature	Max- 32.8 <sup>0</sup> C, Min-15.0 <sup>0</sup> C	Relative Humidity	Max- 50.6%, Min- 43.5%	
Limits	National Ambient Air Quality Standards Vide GSR 826(E)16.11.2009			
Parameters	Unit	Result	Limits	Method Of Analysis
General Parameters				
Particulate matter less than 10 micron	µg/m <sup>3</sup>	84.93	100	EPA/625/R-96/010a(Compendium Method IO-2.1): 2017
Particulate matter less than2.5 micron	µg/m <sup>3</sup>	54.07	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017
Sulphur Dioxide	µg/m <sup>3</sup>	41.59	80	IS 5182 ( part II ) 2001,Reaff: 2017
Oxides of Nitrogen	µg/m <sup>3</sup>	46.62	80	IS 5182 ( part VI ) 2006,Reaff:2017
Carbon Monoxide	mg/m <sup>3</sup>	1.09	2.0	IS 5182 ( part X ) 1999,Reaff: 2014
Lead	µg/m <sup>3</sup>	BDL	1	IS 5182 (part XXII) 2004,Reaff:2014
Ozone	µg/m <sup>3</sup>	35.10	100	IS 5182 (part IX) 1974, Reaff: 2014
Ammonia	µg/m <sup>3</sup>	BDL	400	APHA 2nd Edition Method No. 401
Benzene	µg/m <sup>3</sup>	BDL	5	IS 5182 (part XI) 2006, Reaff- 2017
Benzo (a) Pyrene - Particulate Phase only	ng/m <sup>3</sup>	BDL	1	IS 5182 (Part 12):2004,Reaff: 2014
Arsenic	ng/m <sup>3</sup>	BDL	6	APHA 2nd Edition Method No. 822
Nickel	ng/m <sup>3</sup>	BDL	20	APHA 2nd Edition Method No. 822

●BDL: Below Detection Limits.

●Remarks: - Monitoring Results are well within the limits prescribed by NAAQS.

For **GREEN ENVIRO**




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## AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

### TEST REPORT

Date – 07/02/2024

Sample/Report No.	GE/LAB/AAQ/JSHPL4			
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.			
Address Of Customer	“Joyville Hinjewadi,Plot – 2 ( Group Housing Project)”, S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P),101/2(P) & 101/3 At Vill- Maan, Tal - Mulshi, Pune - 411057.			
Sample Drawn By	Vendor on 01/02/2024	Sample Received On	02/02/2024	
Start of Analysis	03/02/2024	End Of Analysis	05/02/2024	
Monitoring For	Ambient Air Monitoring	Sampling Location	Near Building C	
Sampling Duration	24 Hrly	Receptor Height	2.00 meter from G.L.	
Ambient Temperature	Max- 32.2 <sup>0</sup> C, Min-14.4 <sup>0</sup> C	Relative Humidity	Max- 51.1%, Min- 44.0%	
Limits	National Ambient Air Quality Standards Vide GSR 826(E)16.11.2009			
Parameters	Unit	Result	Limits	Method Of Analysis
General Parameters				
Particulate matter less than 10 micron	µg/m <sup>3</sup>	82.13	100	EPA/625/R-96/010a(Compendium Method IO-2.1): 2017
Particulate matter less than2.5 micron	µg/m <sup>3</sup>	52.40	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017
Sulphur Dioxide	µg/m <sup>3</sup>	39.18	80	IS 5182 ( part II ) 2001,Reaff: 2017
Oxides of Nitrogen	µg/m <sup>3</sup>	44.65	80	IS 5182 ( part VI ) 2006,Reaff:2017
Carbon Monoxide	mg/m <sup>3</sup>	1.01	2.0	IS 5182 ( part X ) 1999,Reaff: 2014
Lead	µg/m <sup>3</sup>	BDL	1	IS 5182 (part XXII) 2004,Reaff:2014
Ozone	µg/m <sup>3</sup>	33.94	100	IS 5182 (part IX) 1974, Reaff: 2014
Ammonia	µg/m <sup>3</sup>	BDL	400	APHA 2nd Edition Method No. 401
Benzene	µg/m <sup>3</sup>	BDL	5	IS 5182 (part XI) 2006, Reaff- 2017
Benzo (a) Pyrene - Particulate Phase only	ng/m <sup>3</sup>	BDL	1	IS 5182 (Part 12):2004,Reaff: 2014
Arsenic	ng/m <sup>3</sup>	BDL	6	APHA 2nd Edition Method No. 822
Nickel	ng/m <sup>3</sup>	BDL	20	APHA 2nd Edition Method No. 822

•BDL: Below Detection Limits.

•Remarks: - Monitoring Results are well within the limits prescribed by NAAQS.

For GREEN ENVIRO




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## AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

### TEST REPORT

Date – 07/02/2024

Sample/Report No.	GE/LAB/AAQ/JSHPL5			
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.			
Address Of Customer	“Joyville Hinjewadi,Plot – 2 ( Group Housing Project)”, S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P),101/2(P) & 101/3 At Vill- Maan, Tal - Mulshi, Pune - 411057.			
Sample Drawn By	Vendor on 01/02/2024	Sample Received On	02/02/2024	
Start of Analysis	03/02/2024	End Of Analysis	05/02/2024	
Monitoring For	Ambient Air Monitoring	Sampling Location	Near Building H	
Sampling Duration	24 Hrly	Receptor Height	2.00 meter from G.L.	
Ambient Temperature	Max- 32.4 <sup>0</sup> C, Min-14.6 <sup>0</sup> C	Relative Humidity	Max- 50.9%, Min- 43.8%	
Limits	National Ambient Air Quality Standards Vide GSR 826(E)16.11.2009			
Parameters	Unit	Result	Limits	Method Of Analysis
General Parameters				
Particulate matter less than 10 micron	µg/m <sup>3</sup>	70.06	100	EPA/625/R-96/010a(Compendium Method IO-2.1): 2017
Particulate matter less than2.5 micron	µg/m <sup>3</sup>	43.50	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017
Sulphur Dioxide	µg/m <sup>3</sup>	33.05	80	IS 5182 ( part II ) 2001,Reaff: 2017
Oxides of Nitrogen	µg/m <sup>3</sup>	38.79	80	IS 5182 ( part VI ) 2006,Reaff:2017
Carbon Monoxide	mg/m <sup>3</sup>	0.72	2.0	IS 5182 ( part X ) 1999,Reaff: 2014
Lead	µg/m <sup>3</sup>	BDL	1	IS 5182 (part XXII) 2004,Reaff:2014
Ozone	µg/m <sup>3</sup>	24.86	100	IS 5182 (part IX) 1974, Reaff: 2014
Ammonia	µg/m <sup>3</sup>	BDL	400	APHA 2nd Edition Method No. 401
Benzene	µg/m <sup>3</sup>	BDL	5	IS 5182 (part XI) 2006, Reaff- 2017
Benzo (a) Pyrene - Particulate Phase only	ng/m <sup>3</sup>	BDL	1	IS 5182 (Part 12):2004,Reaff: 2014
Arsenic	ng/m <sup>3</sup>	BDL	6	APHA 2nd Edition Method No. 822
Nickel	ng/m <sup>3</sup>	BDL	20	APHA 2nd Edition Method No. 822

●BDL: Below Detection Limits.

●Remarks: - Monitoring Results are well within the limits prescribed by NAAQS.

For **GREEN ENVIRO**




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## AMBIENT NOISE MONITORING ANALYSIS REPORT

### TEST REPORT

Sample/Report No.	GE/LAB/ANM/JSHPL1
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.
Address Of Customer	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report Dated	07/02/2024
Date Of Sampling	Vendor on 01/02/2024 & 02/02/2024
Date Of Analysis	03/02/2024
Monitoring For	Ambient Noise Monitoring
Sampling Location	Near Entry Gate
Limits*	Maharashtra Pollution Control Board has prescribed 55 dB(A) as an upper limit of Noise Level during day time & 45 dB(A) during Night time
Time Of Sampling	1) Day time shall mean from 06:00 A.M. to 10:00 P.M. 2) Night time shall mean from 10:00 P.M. to 06:00 A.M

### RESULTS OF ANALYSIS

TIME	UNIT	READINGS	MPCB LIMITS
06:00 A.M.	dB(A)	48.2	55
07:00 A.M.	dB(A)	49.9	55
08:00 A.M.	dB(A)	53.2	55
09:00 A.M.	dB(A)	51.7	55
10:00 A.M.	dB(A)	52.1	55
11:00 A.M.	dB(A)	53.3	55
12:00 P.M.	dB(A)	54.7	55
13:00 P.M.	dB(A)	53.5	55





TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	53.1	55
15:00 P.M.	dB(A)	53.0	55
16:00 P.M.	dB(A)	54.2	55
17:00 P.M.	dB(A)	53.5	55
18:00 P.M.	dB(A)	51.9	55
19:00 P.M.	dB(A)	50.4	55
20:00 P.M.	dB(A)	49.6	55
21:00 P.M.	dB(A)	45.4	55
22:00 P.M.	dB(A)	44.8	45
23:00 P.M.	dB(A)	42.2	45
00:00 A.M.	dB(A)	43.1	45
01:00 A.M.	dB(A)	43.3	45
02:00 A.M.	dB(A)	42.6	45
03:00 A.M.	dB(A)	43.2	45
04:00 A.M.	dB(A)	43.4	45
05:00 A.M.	dB(A)	44.6	45
<b>Day Time Leq</b>	<b>54.7</b>	<b>Night Time Leq</b>	<b>43.8</b>

**REMARK/OBSERVATIONS:** Ambient Air Quality Standard in respect to Noise

Area code	Category of Area/Zone	Limits in dB (A) Leq*	Limits in dB (A) Leq*
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

1. Silence Zone is defined as an area comprising not less than 100 meters around hospitals, educational institute and courts. The silence zones are zones which are declared as such by the competent authority.
2. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

For **GREEN ENVIRO**




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Page No – 2

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## AMBIENT NOISE MONITORING ANALYSIS REPORT

### TEST REPORT

Sample/Report No.	GE/LAB/ANM/JSHPL2
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.
Address Of Customer	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report Dated	07/02/2024
Date Of Sampling	Vendor on 01/02/2024 & 02/02/2024
Date Of Analysis	03/02/2024
Monitoring For	Ambient Noise Monitoring
Sampling Location	Steel Yard
Limits*	Maharashtra Pollution Control Board has prescribed 55 dB(A) as an upper limit of Noise Level during day time & 45 dB(A) during Night time
Time Of Sampling	1) Day time shall mean from 06:00 A.M. to 10:00 P.M. 2) Night time shall mean from 10:00 P.M. to 06:00 A.M

### RESULTS OF ANALYSIS

TIME	UNIT	READINGS	MPCB LIMITS
06:00 A.M.	dB(A)	48.6	55
07:00 A.M.	dB(A)	51.3	55
08:00 A.M.	dB(A)	52.9	55
09:00 A.M.	dB(A)	52.1	55
10:00 A.M.	dB(A)	53.5	55
11:00 A.M.	dB(A)	51.7	55
12:00 P.M.	dB(A)	52.3	55
13:00 P.M.	dB(A)	53.6	55





TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	52.1	55
15:00 P.M.	dB(A)	53.5	55
16:00 P.M.	dB(A)	52.4	55
17:00 P.M.	dB(A)	53.2	55
18:00 P.M.	dB(A)	54.5	55
19:00 P.M.	dB(A)	53.8	55
20:00 P.M.	dB(A)	46.6	55
21:00 P.M.	dB(A)	47.5	55
22:00 P.M.	dB(A)	44.6	45
23:00 P.M.	dB(A)	43.1	45
00:00 A.M.	dB(A)	43.3	45
01:00 A.M.	dB(A)	42.6	45
02:00 A.M.	dB(A)	43.6	45
03:00 A.M.	dB(A)	42.2	45
04:00 A.M.	dB(A)	43.9	45
05:00 A.M.	dB(A)	44.2	45
Day Time Leq	54.1	Night Time Leq	43.0

**REMARK/OBSERVATIONS:** Ambient Air Quality Standard in respect to Noise

Area code	Category of Area/Zone	Limits in dB (A) Leq*	Limits in dB (A) Leq*
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

1. Silence Zone is defined as an area comprising not less than 100 meters around hospitals, educational institute and courts. The silence zones are zones which are declared as such by the competent authority.
2. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

For **GREEN ENVIRO**




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## AMBIENT NOISE MONITORING ANALYSIS REPORT

### TEST REPORT

Sample/Report No.	GE/LAB/ANM/JSHPL3
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.
Address Of Customer	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report Dated	07/02/2024
Date Of Sampling	Vendor on 01/02/2024 & 02/02/2024
Date Of Analysis	03/02/2024
Monitoring For	Ambient Noise Monitoring
Sampling Location	Near Building B
Limits*	Maharashtra Pollution Control Board has prescribed 55 dB(A) as an upper limit of Noise Level during day time & 45 dB(A) during Night time
Time Of Sampling	1) Day time shall mean from 06:00 A.M. to 10:00 P.M. 2) Night time shall mean from 10:00 P.M. to 06:00 A.M

### RESULTS OF ANALYSIS

TIME	UNIT	READINGS	MPCB LIMITS
06:00 A.M.	dB(A)	48.3	55
07:00 A.M.	dB(A)	50.7	55
08:00 A.M.	dB(A)	51.6	55
09:00 A.M.	dB(A)	54.3	55
10:00 A.M.	dB(A)	52.4	55
11:00 A.M.	dB(A)	53.6	55
12:00 P.M.	dB(A)	52.0	55
13:00 P.M.	dB(A)	52.7	55



TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	53.4	55
15:00 P.M.	dB(A)	52.2	55
16:00 P.M.	dB(A)	51.9	55
17:00 P.M.	dB(A)	54.0	55
18:00 P.M.	dB(A)	53.0	55
19:00 P.M.	dB(A)	49.5	55
20:00 P.M.	dB(A)	50.2	55
21:00 P.M.	dB(A)	46.0	55
22:00 P.M.	dB(A)	43.4	45
23:00 P.M.	dB(A)	44.8	45
00:00 A.M.	dB(A)	44.5	45
01:00 A.M.	dB(A)	42.2	45
02:00 A.M.	dB(A)	43.3	45
03:00 A.M.	dB(A)	42.9	45
04:00 A.M.	dB(A)	43.2	45
05:00 A.M.	dB(A)	42.6	45
Day Time Leq	53.8	Night Time Leq	42.7

**REMARK/OBSERVATIONS:** Ambient Air Quality Standard in respect to Noise

Area code	Category of Area/Zone	Limits in dB (A) Leq*	Limits in dB (A) Leq*
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

1. Silence Zone is defined as an area comprising not less than 100 meters around hospitals, educational institute and courts. The silence zones are zones which are declared as such by the competent authority.
2. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

For **GREEN ENVIRO**




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## AMBIENT NOISE MONITORING ANALYSIS REPORT

### TEST REPORT

Sample/Report No.	GE/LAB/ANM/JSHPL4
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.
Address Of Customer	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report Dated	07/02/2024
Date Of Sampling	Vendor on 01/02/2024 & 02/02/2024
Date Of Analysis	03/02/2024
Monitoring For	Ambient Noise Monitoring
Sampling Location	Near Building C
Limits*	Maharashtra Pollution Control Board has prescribed 55 dB(A) as an upper limit of Noise Level during day time & 45 dB(A) during Night time
Time Of Sampling	1) Day time shall mean from 06:00 A.M. to 10:00 P.M. 2) Night time shall mean from 10:00 P.M. to 06:00 A.M

### RESULTS OF ANALYSIS

TIME	UNIT	READINGS	MPCB LIMITS
06:00 A.M.	dB(A)	48.6	55
07:00 A.M.	dB(A)	50.3	55
08:00 A.M.	dB(A)	52.3	55
09:00 A.M.	dB(A)	53.4	55
10:00 A.M.	dB(A)	54.2	55
11:00 A.M.	dB(A)	52.6	55
12:00 P.M.	dB(A)	52.4	55
13:00 P.M.	dB(A)	51.8	55



TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	53.7	55
15:00 P.M.	dB(A)	54.3	55
16:00 P.M.	dB(A)	53.5	55
17:00 P.M.	dB(A)	53.4	55
18:00 P.M.	dB(A)	53.6	55
19:00 P.M.	dB(A)	51.7	55
20:00 P.M.	dB(A)	51.0	55
21:00 P.M.	dB(A)	45.8	55
22:00 P.M.	dB(A)	43.1	45
23:00 P.M.	dB(A)	42.6	45
00:00 A.M.	dB(A)	44.3	45
01:00 A.M.	dB(A)	43.5	45
02:00 A.M.	dB(A)	42.1	45
03:00 A.M.	dB(A)	43.6	45
04:00 A.M.	dB(A)	42.7	45
05:00 A.M.	dB(A)	43.0	45
Day Time Leq	53.5	Night Time Leq	43.6

**REMARK/OBSERVATIONS:** Ambient Air Quality Standard in respect to Noise

Area code	Category of Area/Zone	Limits in dB (A) Leq*	Limits in dB (A) Leq*
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

1. Silence Zone is defined as an area comprising not less than 100 meters around hospitals, educational institute and courts. The silence zones are zones which are declared as such by the competent authority.
2. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

For **GREEN ENVIRO**




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## AMBIENT NOISE MONITORING ANALYSIS REPORT

### TEST REPORT

Sample/Report No.	GE/LAB/ANM/JSHPL5
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.
Address Of Customer	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report Dated	07/02/2024
Date Of Sampling	Vendor on 01/02/2024 & 02/02/2024
Date Of Analysis	03/02/2024
Monitoring For	Ambient Noise Monitoring
Sampling Location	Near Building H
Limits*	Maharashtra Pollution Control Board has prescribed 55 dB(A) as an upper limit of Noise Level during day time & 45 dB(A) during Night time
Time Of Sampling	1) Day time shall mean from 06:00 A.M. to 10:00 P.M. 2) Night time shall mean from 10:00 P.M. to 06:00 A.M

### RESULTS OF ANALYSIS

TIME	UNIT	READINGS	MPCB LIMITS
06:00 A.M.	dB(A)	50.3	55
07:00 A.M.	dB(A)	52.9	55
08:00 A.M.	dB(A)	53.5	55
09:00 A.M.	dB(A)	54.9	55
10:00 A.M.	dB(A)	52.7	55
11:00 A.M.	dB(A)	53.9	55
12:00 P.M.	dB(A)	54.1	55
13:00 P.M.	dB(A)	52.7	55



TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	52.8	55
15:00 P.M.	dB(A)	53.7	55
16:00 P.M.	dB(A)	54.0	55
17:00 P.M.	dB(A)	52.7	55
18:00 P.M.	dB(A)	54.3	55
19:00 P.M.	dB(A)	51.9	55
20:00 P.M.	dB(A)	50.5	55
21:00 P.M.	dB(A)	49.1	55
22:00 P.M.	dB(A)	44.1	45
23:00 P.M.	dB(A)	42.7	45
00:00 A.M.	dB(A)	44.5	45
01:00 A.M.	dB(A)	43.0	45
02:00 A.M.	dB(A)	42.5	45
03:00 A.M.	dB(A)	41.8	45
04:00 A.M.	dB(A)	43.4	45
05:00 A.M.	dB(A)	43.7	45
Day Time Leq	52.6	Night Time Leq	43.1

**REMARK/OBSERVATIONS:** Ambient Air Quality Standard in respect to Noise

Area code	Category of Area/Zone	Limits in dB (A) Leq*	Limits in dB (A) Leq*
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

1. Silence Zone is defined as an area comprising not less than 100 meters around hospitals, educational institute and courts. The silence zones are zones which are declared as such by the competent authority.
2. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

For **GREEN ENVIRO**




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## SOURCE EMISSION MONITORING ANALYSIS REPORT

CLIENT'S NAME	M/s. Joyville Shapoorji Housing Pvt. Ltd.
CLIENT'S ADDRESS	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
REPORT NO.	GE/LAB/A/JSHPL1
DATED	07/02/2024
LAB REFERENCE NO	GE/LAB/A/JSHPL01
DATE OF SAMPLING	01/02/2024
DATE OF ANALYSIS	02/02/2024

### RESULTS OF ANALYSIS

Test Description	Unit	Result	Limits	Method Of Analysis
Nature of sample	----	Stack Monitoring (DG Set 320 KVA)		
Duration Of Sampling	Min	20		
Material Of Stack	----	MS		
Stack Height From G.L.	Mtr	3.5		
Shape Of Stack	----	Round		
Flue Gas Temperature	Deg C	97		
Average Velocity	M/Sec	6.68		
Fuel Consumption	----	HSD		
Fuel Consumption	Lit/Hr	15		
Gas Volume	NM <sup>3</sup> /Hr	728.52		
Diameter	(M)	0.17		
Cross Sectional Area	(M <sup>2</sup> )	0.0303		
Total Particulate Matter	Mg/NM <sup>3</sup>	66.71	150	IS11255 (part 1)1985,2014
Sulphur Dioxide	Kg/Day	4.89	N.S.	IS11255 (part 2)1985,2014
Hydro Carbon	Mg/NM <sup>3</sup>	26.53	N.S.	EPA Method 25A

N.S. - Not Specified

**REMARK/OBSERVATIONS:** Monitoring results are well within the limits prescribed by MPCB.

For **GREEN ENVIRO**




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**Note –** 1. Results relate only to the sample tested.

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## DG NOISE MONITORING ANALYSIS REPORT

### TEST REPORT

Sample/Report No.	GE/LAB/DGNM/JSHPL1
Name Of Customer	M/s. Joyville Shapoorji Housing Pvt. Ltd.
Address Of Customer	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report Dated	07/02/2024
Date Of Sampling	Vendor on 01/02/2024
Date Of Analysis	02/02/2024
Monitoring For	DG Noise Monitoring
Sampling Location	<b>DG Set - 320 KVA</b>
Limits*	1) Maharashtra Pollution Control Board has prescribed in consent, acoustic enclosure / acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standard, whichever is on higher side. 2) Maharashtra Pollution Control Board has prescribed 75 dB(A) as an upper limit of Noise Level during day time & 70 dB(A) during Night time
Time Of Sampling	1) Day time shall mean from 06:00 A.M. to 10:00 P.M. 2) Night time shall mean from 10:00 P.M. to 06:00 A.M

### RESULTS OF ANALYSIS

Description	Test Location	Unit	READINGS		Insertion Loss $\geq 25$ Db	
			16:40 Hrs. Day Time	22:20 Hrs. Night Time	16:40 Hrs. Day Time	22:20 Hrs. Night Time
<b>DG Set (320 KVA)</b>	DG Set #320KVA Inside Acoustic Enclosure	dB(A)	100.5	96.3	27.2	27.6
	DG Set #320KVA Outside Acoustic Enclosure from 0.5 meter away	dB(A)	73.3	68.7		

**REMARK/OBSERVATIONS:** All above Results are within MPCB Limits.

For **GREEN ENVIRO**




**Authorized Signatory**

**Note** – 1. Results relate only to the sample tested.

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**---End of the Report---**

## DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

<b>CLIENT'S NAME</b>	<b>M/s. Joyville Shapoorji Housing Pvt. Ltd.</b>
<b>CLIENT'S ADDRESS</b>	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2 (P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report No: - GE/LAB/W/JSHPL01	Dated:- 07/02/2024
Lab Reference No: GE/LAB/W/JSHPL01	Date Of Sampling: - 01/02/2024
Date Of Analysis: - 02/02/2024	Details Of Sample : Drinking Water Sample – Site Area
Sample Collected By – Green Enviro	Sample Container – Sterilized Bottle

### RESULTS OF ANALYSIS

Parameter	Unit	Result	Standard : (IS 10500:2012)	Method Of Analysis
pH	Value	7.09	6.5 - 8.5	IS 3025 (Part II) 1983, Reaff: 2017
Total Dissolved Solids	mg/lit	65.46	500	IS 3025 (Part XVI) 1984, Reaff: 2017
Total Suspended Solids	mg/lit	02.25	Not Specified	IS 3025 (Part XVII) 1984, Reaff- 2017
Colour	----	Colorless	Colorless	IS 3025 (Part IV ) 1983
Odour	----	Odorless	Odorless	APHA 23 <sup>rd</sup> Edition(Part 2150B)
Turbidity	NTU	< 0.32	< 5	IS 3025 (Part X) 1984, Reaff: 2017
Total Hardness	mg/lit	23.98	200	IS 3025 (Part XXI) 2009, Reaff: 2019
Calcium Hardness	mg/lit	12.72	Not Specified	IS 3025 (Part 40) 1991, Reaff: 2019
Magnesium Hardness	mg/lit	11.26	Not Specified	IS 3025 (Part 46) 1994, Reaff: 2019
Chloride	mg/lit	06.91	250	IS 3025 (Part 32) 1998, Reaff: 2019





## DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

Parameter	Unit	Result	Standard: (IS10500:2012)	Method Of Analysis
Sulphate	mg/lit	05.72	200	IS 3025 (Part 24) 1986, Reaff: 2019
Total alkalinity	mg/lit	53.10	200	IS 3025 (Part 23) 1986, Reaff: 2019
Fluoride	mg/lit	Absent	1.0	IS 3025 (Part 60) 2008
Nitrates	mg/lit	Absent	45	APHA 23 <sup>rd</sup> Edition, (Part 4500-NO <sub>3</sub> <sup>-</sup> B)
Cyanide	mg/lit	Absent	0.05	APHA 23 <sup>rd</sup> Edition, (Part 4500-CN <sup>-</sup> C)
Residual free chlorine	mg/lit	Absent	0.2	APHA 23 <sup>rd</sup> Edition, (Part 4500-Cl B)
Copper	mg/lit	Absent	Max 0.05	IS:3025 (Part 42) 1992, Reaff: 2019
Mercury	mg/lit	Absent	Max 0.001	APHA 23 <sup>rd</sup> Edition, (Part 3500Hg)
Cadmium	mg/lit	Absent	Max 0.003	APHA 23 <sup>rd</sup> Edition, (Part 3500-Cd)
Lead	mg/lit	Absent	Max 0.01	IS 3025 (Part 47) 1994, Reaff: 2019
Zinc	mg/lit	Absent	5.0	IS 3025 (Part 49) 1994, Reaff: 2019
Coliform Organism	mg/lit	Absent	Not Specified	IS: 1622 – 1981
Nickel	mg/lit	Absent	Max 0.02	IS 3025 (Part 54) 2003, Reaff: 2019,
Polychlorinated biphenyls	mg/lit	Absent	0.0005	APHA 23 <sup>rd</sup> Edition, (Part 6431 B)
Total chromium	mg/lit	Absent	Max 0.05	APHA 23 <sup>rd</sup> Edition, (Part 3111B)
Total arsenic	mg/lit	Absent	Max 0.01	APHA 23 <sup>rd</sup> Edition, (Part 3500-As B)
Aluminium	mg/lit	Absent	Max 0.03	APHA 23 <sup>rd</sup> Edition, (Part 3111 D)
Ammonia(as total ammonia- N)	mg/lit	Absent	Not Specified	APHA 23 <sup>rd</sup> Edition, (Part 4500-NH 3C)
Boron	mg/lit	Absent	Max 0.5	APHA 23 <sup>rd</sup> Edition, (Part 4500-B C)
Silver	mg/lit	Absent	0.1	APHA 16 <sup>th</sup> Edition, (Part 324B)
Sulphide	mg/lit	Absent	0.05	APHA 23 <sup>rd</sup> Edition, (part 4500-D)



## DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

Parameter	Unit	Result	Standard: (IS10500:2012)	Method Of Analysis
Mineral oil	mg/lit	Nil	0.05	IS 3025 (Part 39)
Anionic detergents	mg/lit	Nil	Max 0.2	APHA 23 <sup>rd</sup> Edition, (Part 5540 C)
Chloramines	mg/lit	Nil	Max 4.0	APHA 23 <sup>rd</sup> Edition, (Part 4500-Cl G)
Selenium	mg/lit	Nil	Max 0.01	APHA 23 <sup>rd</sup> Edition, (Part 3500-Se C)
DDT	µg/lit	Nil	1.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
2,4 D	µg/lit	Nil	3.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Gamma-HCH (Lindane)	µg/lit	Nil	2.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Endosulfan	µg/lit	Nil	0.4	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Atrazine	µg/lit	Nil	2.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Reactive Silica	Ppm	Nil	0.02	APHA 23 <sup>rd</sup> Edition, (Part 4500- SiO <sub>2</sub> D)
Sodium	mg/lit	BDL	Not Specified	APHA 23 <sup>rd</sup> Edition, (Part 3500 Na B)
Potassium	mg/lit	BDL	Not Specified	APHA 23 <sup>rd</sup> Edition, (Part 3500-K B)
Phosphorous	mg/lit	BDL	Not Specified	IS 3025 (Part 31) 1988, Reaff – 2019
Iron	mg/lit	Nil	0.3	IS 3025 (Part 53) 2003, Reaff – 2019
Most Probable Number	/100ml	Absent	0/100ml	IS: 1622 – 1981, Multiple tube technique
E. coli	/100ml	Absent	0-1/100ml	IS: 5887 -1 & IS15186:2002 Multiple tube technique
Total Coliform	/100ml	Absent	0-1/100ml	IS:1622-1981, Multiple tube technique
Total Viable Count	/100ml	Absent	0-1/100ml	IS: 5402 : 2012
Fecal	/100ml	Absent	0-1/100ml	APHA 23 <sup>rd</sup> Edition Part 9230- B, Page 9-118

• BDL: - Below Detection Limits

For **GREEN ENVIRO**



**Authorized Signatory**



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📍 **Regd. Office** : Sr.No.167/2B & 168/2B, Plot No.7,  
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## DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

<b>CLIENT'S NAME</b>	<b>M/s. Joyville Shapoorji Housing Pvt. Ltd.</b>
<b>CLIENT'S ADDRESS</b>	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2 (P) & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.
Report No: - GE/LAB/W/JSHPL02	Dated:- 07/02/2024
Lab Reference No:GE/LAB/W/JSHPL02	Date Of Sampling: - 01/02/2024
Date Of Analysis: - 02/02/2024	Details Of Sample : Drinking Water – Office
Sample Collected By – Green Enviro	Sample Container – Sterilized Bottle

### RESULTS OF ANALYSIS

Parameter	Unit	Result	Standard : (IS 10500:2012)	Method Of Analysis
pH	Value	7.02	6.5 - 8.5	IS 3025 (Part II) 1983, Reaff: 2017
Total Dissolved Solids	mg/lit	61.30	500	IS 3025 (Part XVI) 1984, Reaff: 2017
Total Suspended Solids	mg/lit	01.98	Not Specified	IS 3025 (Part XVII) 1984, Reaff- 2017
Colour	----	Colorless	Colorless	IS 3025 (Part IV ) 1983
Odour	----	Odorless	Odorless	APHA 23 <sup>rd</sup> Edition(Part 2150B)
Turbidity	NTU	< 0.27	< 5	IS 3025 (Part X) 1984, Reaff: 2017
Total Hardness	mg/lit	20.74	200	IS 3025 (Part XXI) 2009, Reaff: 2019
Calcium Hardness	mg/lit	10.81	Not Specified	IS 3025 (Part 40) 1991, Reaff: 2019
Magnesium Hardness	mg/lit	09.93	Not Specified	IS 3025 (Part 46) 1994, Reaff: 2019
Chloride	mg/lit	06.32	250	IS 3025 (Part 32) 1998, Reaff: 2019





## DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

Parameter	Unit	Result	Standard: (IS10500:2012)	Method Of Analysis
Sulphate	mg/lit	05.21	200	IS 3025 (Part 24) 1986, Reaff: 2019
Total alkalinity	mg/lit	50.38	200	IS 3025 (Part 23) 1986, Reaff: 2019
Fluoride	mg/lit	Absent	1.0	IS 3025 (Part 60) 2008
Nitrates	mg/lit	Absent	45	APHA 23 <sup>rd</sup> Edition, (Part 4500-NO <sub>3</sub> <sup>-</sup> B)
Cyanide	mg/lit	Absent	0.05	APHA 23 <sup>rd</sup> Edition, (Part 4500-CN <sup>-</sup> C)
Residual free chlorine	mg/lit	Absent	0.2	APHA 23 <sup>rd</sup> Edition, (Part 4500-Cl B)
Copper	mg/lit	Absent	Max 0.05	IS:3025 (Part 42) 1992, Reaff: 2019
Mercury	mg/lit	Absent	Max 0.001	APHA 23 <sup>rd</sup> Edition, (Part 3500Hg)
Cadmium	mg/lit	Absent	Max 0.003	APHA 23 <sup>rd</sup> Edition, (Part 3500-Cd)
Lead	mg/lit	Absent	Max 0.01	IS 3025 (Part 47) 1994, Reaff: 2019
Zinc	mg/lit	Absent	5.0	IS 3025 (Part 49) 1994, Reaff: 2019
Coliform Organism	mg/lit	Absent	Not Specified	IS: 1622 – 1981
Nickel	mg/lit	Absent	Max 0.02	IS 3025 (Part 54) 2003, Reaff: 2019,
Polychlorinated biphenyls	mg/lit	Absent	0.0005	APHA 23 <sup>rd</sup> Edition, (Part 6431 B)
Total chromium	mg/lit	Absent	Max 0.05	APHA 23 <sup>rd</sup> Edition, (Part 3111B)
Total arsenic	mg/lit	Absent	Max 0.01	APHA 23 <sup>rd</sup> Edition, (Part 3500-As B)
Aluminium	mg/lit	Absent	Max 0.03	APHA 23 <sup>rd</sup> Edition, (Part 3111 D)
Ammonia(as total ammonia- N)	mg/lit	Absent	Not Specified	APHA 23 <sup>rd</sup> Edition, (Part 4500-NH 3C)
Boron	mg/lit	Absent	Max 0.5	APHA 23 <sup>rd</sup> Edition, (Part 4500-B C)
Silver	mg/lit	Absent	0.1	APHA 16 <sup>th</sup> Edition, (Part 324B)
Sulphide	mg/lit	Absent	0.05	APHA 23 <sup>rd</sup> Edition, (part 4500-D)





## DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

Parameter	Unit	Result	Standard: (IS10500:2012)	Method Of Analysis
Mineral oil	mg/lit	Nil	0.05	IS 3025 (Part 39)
Anionic detergents	mg/lit	Nil	Max 0.2	APHA 23 <sup>rd</sup> Edition, (Part 5540 C)
Chloramines	mg/lit	Nil	Max 4.0	APHA 23 <sup>rd</sup> Edition, (Part 4500-Cl G)
Selenium	mg/lit	Nil	Max 0.01	APHA 23 <sup>rd</sup> Edition, (Part 3500-Se C)
DDT	µg/lit	Nil	1.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
2,4 D	µg/lit	Nil	3.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Gamma-HCH (Lindane)	µg/lit	Nil	2.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Endosulfan	µg/lit	Nil	0.4	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Atrazine	µg/lit	Nil	2.0	APHA 23 <sup>rd</sup> Edition, (Part 6630C)
Reactive Silica	Ppm	Nil	0.02	APHA 23 <sup>rd</sup> Edition, (Part 4500- SiO <sub>2</sub> D)
Sodium	mg/lit	BDL	Not Specified	APHA 23 <sup>rd</sup> Edition, (Part 3500 Na B)
Potassium	mg/lit	BDL	Not Specified	APHA 23 <sup>rd</sup> Edition, (Part 3500-K B)
Phosphorous	mg/lit	BDL	Not Specified	IS 3025 (Part 31) 1988, Reaff – 2019
Iron	mg/lit	Nil	0.3	IS 3025 (Part 53) 2003, Reaff – 2019
Most Probable Number	/100ml	Absent	0/100ml	IS: 1622 – 1981, Multiple tube technique
E. coli	/100ml	Absent	0-1/100ml	IS: 5887 -1 & IS15186:2002 Multiple tube technique
Total Coliform	/100ml	Absent	0-1/100ml	IS:1622-1981, Multiple tube technique
Total Viable Count	/100ml	Absent	0-1/100ml	IS: 5402 : 2012
Fecal	/100ml	Absent	0-1/100ml	APHA 23 <sup>rd</sup> Edition Part 9230- B, Page 9-118

• BDL: - Below Detection Limits

For **GREEN ENVIRO**



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## SOIL ANALYSIS REPORT

<b>CLIENT'S NAME</b>			<b>M/s. Joyville Shapoorji Housing Pvt. Ltd.</b>	
<b>CLIENT'S ADDRESS</b>			"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill- Maan, Tal- Mulshi, Pune -57.	
Report No: - GE/LAB/S/JSHPL1			Dated:- 07/02/2024	
Lab Reference No: GE/LAB/S/ JSHPL01			Date Of Sampling: - 01/02/2024	
Date Of Analysis: - 02/02/2024			Details Of Sample- Soil Sample - Near Building B	
Sample Collected By – Green Enviro			Sample Container – Zip Lock Plastic Bag	
Sr. No	Parameter	Unit	Result	Method Of Analysis
01	Appearance	----	Medium Blackish	-
02	Texture			
A	Clay	%	66.89	Method manual soil testing
B	Silt	%	24.93	Method manual soil testing
C	Sand	%	06.12	Method manual soil testing
D	Gravel	%	02.06	Method manual soil testing
03	pH	Value	7.43	IS 2720 Part -26 1987 RA2002
04	Moisture Content	%	29.42	IS 15106 2002
05	Conductivity	mmhos	0.3918	IS 14767 : 2000
06	Water holding Capacity	%	35.09	IS 14765 2000
07	Copper as Cu	mg/kg	BDL	IS 6092 Part- 5 1985
08	Zinc as Zn	mg/kg	BDL	IS 6092 Part- 5 1985
09	Lead as Pb	mg/kg	BDL	IS 6092 Part- 5 1985
10	Cadmium as Cd	mg/kg	BDL	IS 6092 Part- 5 1985
11	Iron as Fe	mg/kg	1.511	IS 6092 Part- 5 1985
12	Manganese as Mn	mg/kg	0.049	IS 6092 Part- 5 1985
13	Aluminium as Al	mg/kg	BDL	IS 6092 Part- 5 1985
14	Tin as Sn	mg/kg	0.0041	IS 6092 Part- 5 1985
15	Arsenic as As	mg/kg	Nil	IS 6092 Part- 5 1985
16	Phosphorous as P	mg/kg	BDL	IS 6092 (Part 3) 2004
17	Total Nitrogen as N	mg/kg	7716	Method manual soil testing
18	Potassium as K	mg/kg	167.2	IS 2799 -1980
19	Sodium as Na	mg/kg	4.15	IS 2799 -1980

●BDL: Below Detection Limits.

For **GREEN ENVIRO**




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---End of the Report---

## SOIL ANALYSIS REPORT

<b>CLIENT'S NAME</b>			<b>M/s. Joyville Shapoorji Housing Pvt. Ltd.</b>	
<b>CLIENT'S ADDRESS</b>			"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill- Maan, Tal- Mulshi, Pune -57.	
Report No: - GE/LAB/S/ JSHPL2			Dated:- 07/02/2024	
Lab Reference No: GE/LAB/S/ JSHPL02			Date Of Sampling: - 01/02/2024	
Date Of Analysis: - 02/02/2024			Details Of Sample- Soil Sample - Near Building C	
Sample Collected By – Green Enviro			Sample Container – Zip Lock Plastic Bag	
Sr. No	Parameter	Unit	Result	Method Of Analysis
01	Appearance	----	Dark Blackish	-
02	Texture			
A	Clay	%	62.85	Method manual soil testing
B	Silt	%	23.45	Method manual soil testing
C	Sand	%	10.40	Method manual soil testing
D	Gravel	%	3.30	Method manual soil testing
03	pH	Value	7.39	IS 2720 Part -26 1987 RA2002
04	Moisture Content	%	28.94	IS 15106 2002
05	Conductivity	mmhos	0.4301	IS 14767 : 2000
06	Water holding Capacity	%	31.65	IS 14765 2000
07	Copper as Cu	mg/kg	BDL	IS 6092 Part- 5 1985
08	Zinc as Zn	mg/kg	BDL	IS 6092 Part- 5 1985
09	Lead as Pb	mg/kg	BDL	IS 6092 Part- 5 1985
10	Cadmium as Cd	mg/kg	BDL	IS 6092 Part- 5 1985
11	Iron as Fe	mg/kg	1.609	IS 6092 Part- 5 1985
12	Manganese as Mn	mg/kg	0.056	IS 6092 Part- 5 1985
13	Aluminium as Al	mg/kg	BDL	IS 6092 Part- 5 1985
14	Tin as Sn	mg/kg	0.0050	IS 6092 Part- 5 1985
15	Arsenic as As	mg/kg	Nil	IS 6092 Part- 5 1985
16	Phosphorous as P	mg/kg	BDL	IS 6092 (Part 3) 2004
17	Total Nitrogen as N	mg/kg	8029	Method manual soil testing
18	Potassium as K	mg/kg	183.1	IS 2799 -1980
19	Sodium as Na	mg/kg	4.76	IS 2799 -1980

●BDL: Below Detection Limits.

For **GREEN ENVIRO**




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## WATER QUALITY MONITORING ANALYSIS REPORT

CLIENT'S NAME	M/s. Shapoorji Pallonji & Company Pvt. Ltd.
CLIENT'S ADDRESS	"Joyville Hinjewadi, Plot – 2 ( Group Housing Project)", S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P), 101/2(P) & 101/3 At Vill- Maan, Tal- Mulshi, Pune -57.
Report No: - GE/LAB/W/SPCPL3	Dated:- 07/02/2024
Lab Reference No: GE/LAB/W/SPCPL03	Date Of Sampling: - 01/02/2024
Date Of Analysis – 02/02/2024	Details Of Sample – Sewage Wastewater
Sample Collected By – Green Enviro	Sample Container – Plastic Bottle
Sample Nature – Treated Industrial Effluent	Location – STP

### RESULTS OF ANALYSIS

Parameter	Unit	Result	Limits	Method of Analysis
pH	mg/lit	7.48	Not Specified	IS 3025 (Part II) 1983, Reaff: 2017
Suspended Solids	mg/lit	39.17	< 100	IS 3025(Part XVII) 1984, Reaff:2017
Biochemical Oxygen Demand (27 degrees for 3 days)	mg/lit	24.09	< 100	IS:3025 (Part 44) 1993, Reaff:2019
Chemical Oxygen Demand	mg/lit	50.46	< 150	IS 3025 (Part 58) 2006, Reaff: 2017
Total Dissolved Solids	mg/lit	905.3	< 2100	IS 3025 (Part XVI) 1984, Reaff: 2017
Total Oil & Grease	mg/lit	BDL	< 10	APHA 23 <sup>rd</sup> Edition, Part 5520 B

• BDL: - Below Detection Limits

• **REMARK:** Monitoring Results are well within the limits prescribed by MPCB

For **GREEN ENVIRO**




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