



01.12.2021

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 – APRIL 2021 TO SEPTEMBER 2021 by email to eccompliance-mh@gov.in

Ref.:Environment Clearance vide Letter No. SIA/MH/MIS/50310/2019 dated 31ST March 2020 for Construction of Project of "M/s Joyville Shapoorji Housing Pvt. Ltd. – PLO1 # 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 APRIL 2021 TO SEPTEMBER 2021 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 Pyt. Ltd.

Authorised Signatory

ENCL:

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

Copy forwarded to

1) MPCB Regional Office, MUMBAI.

Joyville Shapoorji Housing Private Limited, Site Office: Maan, Near Phase 1, Hinjawadi, Pune-411057.

CIN: U70109MH2007PTC166942 | Regd. Office: SP Centre, 41/44, Minoo Desai Marg, Colaba, Mumbai-400005. Tel: +91-22-67490000





01.12.2021

To,

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

Sub.: Submission of Half Yearly Post EC Compliance Report for Period – APRIL 2021 TO SEPTEMBER 2021

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- 4. Part D Annexures

Copy forwarded to

1) MOEF&CC Regional Office, Nagpur – by email.

Joyville Shapoorji Housing Private Limited, Site Office: Maan, Near Phase 1, Hinjawadi, Pune-411057.

CIN: U70109MH2007PTC166942 | Regd. Office: SP Centre, 41/44, Minoo Desai Marg, Colaba, Mumbai-400005. Tel: +91-22-67490000

PMR Submission for December 2021 – Plot 2 of M/s Joyville Shapoorji Housing Pvt. Ltd.	
PART A	
CURRENT STATUS OF WORK	

CURRENT STATUS OF WORK

Building Status	Status of the Environmental Management Facilities
 Plot 2 No. of buildings Work in Progress: 5 Nos. of building in progress. Construction Planning Started in = November 2020 Completion by = November 2025 	 ✓ STP of capacity 600 KLD is proposed ✓ RWH Recharge tank (1 No.) along with 10 Nos of RWH pits are provided for harvesting Rain water ✓ OWC Proposed at site for converting wet waste in to manure for landscape use.

PART B

POINT WISE COMPLIANCE STATUS

Compliance to the Conditions Recommended in EC

Sr. No	Conditions	Compliance			
Specific o	Specific conditions				
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 m2, Non FSI area of 78074.89 m2 and total BUA of 162859.42 m2 (Plan Approval no-BMU/Mau. MANN/S NO 98 PAI AND OTHERS/C634/19-20 DATED 06.03.2020).	Noted			
General o	conditions				
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 strating 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 workes at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should beensured.	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 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 land filling 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 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.	Muck generated is used for site leveling and filling lowlying 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 excavatedduring construction activities will be 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 extend possible) so that natural drainage system of the area is protected and improved.	Noted and shall be complied.	
XIV.	IV. 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.	Being Complied. Soil and Ground water analysis reportsis 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.	
VII.	Any hazadous 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.	
VIII.	The diesel generator sets to be used during construction phase should be low sulpur diesel type and should conform to Environmental (Protection) Rules prescribed for air and noise emissionstandards.	Noted and shall be complied. DG sets are operated onlyduring 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 is enclosed as Annexure.	
XII.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash	Noted and shall be complied.	

		T	
	Notification of September 1999 and amended as on 27 th August, 2003. (The above condition is applicable only if the project site is located withinthe 100 Km of Thermap Power Stations).		
XIII.	Ready mixed concrete must be used in building construction.	Complied with.	
XIV.	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Noted and shall be complied.	
XV.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Noted	
XVI.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.3	Being Complied. Ground water analysis reports is enclosed as Annexure-I	
VII.	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 affluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/ refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treatment of 100% grey water bydecentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	Noted and shall be complied.	
VIII.	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.	
XIX.	Separation of grey and black water should be doneby the use of dual plumbing line for separation of grey and black water.	Noted and shall be complied.	
XX.	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.	
XXI.	Use of glass may be reduced up to 40% to reduce the electricity consumption and load om air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Noted and shall be complied.	
XII.	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.	
XIII.	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	Noted and shall be complied.	

	commissioning. Use CFLs and TFLs should be properly collected and disposed of/sent for recycling as per the paveiling guidelines/rules of the regulatory authority to avoid solar street light, common solar water heaters system. Projectproponent should install, after checking feasibility, solar plus hybrid non-conventional energy source of energy.	
XIV.	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.
XV.	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night-timethe 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.
XVI.	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.
VII.	Opaque wall should meet prescriptive requirementas 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.	Noted and shall be complied.
VIII.	The building should have adequate distancebetween them to allow movement of fresh air and passage of natural light, air and ventilation.	Noted
XIX.	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 formonitoring during construction phase is carried out.
XL.	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent itf it was found that construiction 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, Bhopalwith copy to this department and MPCB.	Noted and shall be complied

XLII.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt developmentprior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacement 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 madefunctional including water requirement in Para2. Prior certification from appropriate authority shall be obtained.	Noted and shall be complied	
LIII.	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	
LIV.	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Noted	
LV.	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Noted and shall be complied	
LVI.	In the case of any changes(s) in the scope of the project, the project would require a fresh apparisal ny this Department.	Noted	
VII.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Noted	
VIII.	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	
LIX.	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	Complied with. Attached asAnnexure.	
L.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in	Noted and shall be complied	

	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.	Noted.	
LII.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their websiteand shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, 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 st 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 send to the respective Regional Office of MoEFby email.	Agreed with.	

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 SafeguardsMinistry of environmental & Forest, Western Region, Regional Office, BhopalMonitoring Report

PART – I DATA SHEET

Date: 29.11.2021

No. Particular Information		Information		
1.	Project type: River Valley / Mining / Industry / Thermal / Nuclear / Others (specify)	Township and Area Development.		
2.	Name of the Project	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.	Clearance letter (s) / OM No. and date	Application No. SIA/MH/MIS/50310/2019.		
4.	Location a) District (s)	Village name- Mann, Tal. Mulshi, Dist. Pune.		
	b) State (s)	Maharashtra		
	c) Location latitude /	Latitude: 18°34'2.21" N		
	longitude	Longitude: 73°43'14.34" E.		
5.	Address for Correspondence a) Address of the Concerned Project Chief Engineer (with Pin code & Telephone / Telex / Fax Numbers) b) 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 th floor, Godrej Coliseum, Sion, Mumbai- 400022 <u>Jitesh.bonde@shapoorji.com</u> 9167645170		
6.	Salient features of the Project			
	a) Of the project	Location of the project: Village name- Mann, Tal. Mulshi, Dist.Pune, Maharashtra. Total Plot Area: 37,832.47 sq.m. Total FSI: 84,784.53 sq.m. Total Non-FSI: 78,074.89 sq.m. Total Built-up area: 1,62,859.42 sq.m. Water requirement: • Domestic water: 524 KLD. • Recycled Water: 266 KLD.		

		 Gardening: 100 KLD. Swimming Pool: 10 KLD. Total: 900 KLD. Source: Gram Panchayat. Power Requirement: Construction phase – 401.62 kw. Operation Phase (Connected Load): 3654.90 kw. Operation Phase (Demand Load): 2436.53 kw. Source: MSEDCL. DG sets as power back up during Operation Phase: 2 Nos. of DG sets of capacity 500 kVA. RG Area: On Ground: 5280.58 sq.m. On Podium: 4500.9 sq.m. Energy Efficiency: Total Energy: 22%. By Solar Energy: 16%. Parking 4W & 2W: 4W 2W Bicycle 996 1158 Rain water harvesting: 1 No. of RWH tank of capacity 55 KL Provision of 10 Nos. of recharge pits. 		
7.	Breakup of the Project Area a) Submergence area: forest & non forest	NA		C I
	b) Others	Total Plot Area: 37,832.47 sq.m. Total FSI: 84,784.53 sq.m. Total Non-FSI: 78,074.89 sq.m. Total Built-up area: 1, 62,859.42 sq.m.		
8.	Breakup of the project affected population with the enumeration of those losing Houses / Dwelling units only, Agricultural Land & Landless Laborers / Artisans: a) SC, ST / Adivasi	NA		-
	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		

	is carried out give details &				
	year of survey)	D .	26.0	~	
9. a)	Financial Details: Project cost as originally planned and subsequent revised estimates and the year of price reference	Rs. 5	36 Cr. As per E	<i></i>	
b)	Allocation made for environmental management	Cons	truction phase:	:	
	plans with item wise and year wise breakup	Sr. No.	Туре	Details	Total Cost
		1.	Dust pollution	Water spray for dust suppression	3.00
		2.	EHS	Site sanitation and Potable Water Supply to Labour	
		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)	
		9.	lift	Passenger lift	45.00
		10.	Maintenance	Tyre cleaning and Vehicle maintenance	

11.	Safety	Safety Trainir to Work (Twice in Yea Safety Officer	ers ar),	.00
12.	Sanitation	Disinfection		.00
13.	Waste	Debris construction waste	& 21	1.60
Tota	al Cost		15	6.85
Oper	ration phase:			
Sr.	Compnent	Details	Capital	
No.			(Rs. In Lacs)	O&M cost (lacs / year)
1.	Storm Water			0.5
2.	Sewage	MBBR	74.00	9.00
	Treatment	Technology		
3.	Water	Water	20.00	1.00
	Treatment	treatment		
		plant		0.07
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 Nonbiodegradable waste		2.00
8.	Hazardous Waste			
9.	E-waste Green belt	Agreement with Swach (for handling & management of E- waste		1.98
10.	development		113.23	1.70
	development			

		11.	Energy saving	Solar PV Cells, Solar	160.00	2.00
				panels		
		12.	Environmental	Environmental Environmental	3.00	
			Monitoring	Monitoring		
			_	(As per the		
				CPCB		
				guidelines through MoEF		
				Approved		
				laboratories)		
		13	Disaster		874.02	25.15
			Management			
		Tota	al Cost		1960.52	43.38
c)	Benefit cost ratio / Internal rate					
	of Return and the year of					
	assessment					
d)	Whether (c)includes the cost of	Yes				
	environmental management as					
	shown in the above					
e)	Actual expenditure incurred on					
	the project so far					
f)	Actual expenditure incurred on					
	the environmental management					
10.	plans so far Forest Land Requirement	NA				
a)	The status of approval for	NA				
(a)	diversion of forest land for non-	11/1				
	forestry use					
b)	The status of clearing felling					
c)	The status of compensatory					
	aforestation, if any Comments					
	on the viability & sustainability					
	of compensatory afforestation					
	program in the light of actual					
	field experience so far	37.				
11.	The status of clear felling in	NA				
	non-forest areas (such as					
	submergence area or reservoir, approach roads.), if any with					
	quantitative information					
	required.					
12.	Status of construction (Actual	Only	excavation & ba	arrication work	c started	1.
12.	and/or planned)	Omy		arrication won	i starte c	
a)	Date of commencement	1 st N	ovember 2020			
	(Actual & / or planned)					
b)	Date of completion (Actual	Dece	mber 2025			
	&/or planned)					
13.	Reasons for the delay if the					
	project is yet to start					

14.	Dates of Site Visits	9 th September 2020.
a)	The dates on which the project	NA
	was monitored by the Regional	
	Office on previous occasions, if	
	any	
b)	Date of site visits for this	May 2021
	monitoring report	August 2021

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, 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

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		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.	Solar PV Cells, Solar panels		160.00	2.00
12.	12. Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories)			
13.	Disaster Management		874.02	25.15
		Total Cost =	1960.52	43.38

ENVIRONMENTAL CLEARANCE LETTER

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/MIS/50310/2019 Environment Department Room No. 217, 2nd 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 106th meeting under screening category 8 (b) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 197th 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 Tower B, C, E, F & I	Lower Ground + Stilt/Podium + 22 Floors Lower Ground + Stilt/ Podium + 21 Floors	
7.	No. of Tenements & shops	Total Flats: 1158 Nos.	1.10019	
8.	Total population	6369 Nos. (Including floa	ting)	
9.	Total Water Requirement CMD	Domestic: 524 KLD Flushing: 266 KLD Gardening: 100 KLD		

\neg		Swimming Pool				
ł		Total: 900 KLD)			
10.	Sewage Generation CMD	590 KLD				
	STP Capacity &	1 STP of capaci	ity 600 KL	(2 (2 DD))		
	Technology		Technology: Moving Bed Bio reactor (MBBR)			
12.	STP Location	Ground Level				
		Туре	Quantity	Disposal		
l		Dry Waste	1720 kg/day	Handed over to authorized		
				vendor (SWaCH) for recycling		
	Total Solid waste	Wet Waste	1146 kg/day	Treated in Organic waste		
13.	Quantities			Convertor Handed over to authorized		
		E waste	1.59 kg/day	vendor		
			99 lan/des/	Will be used as a manure		
		STP Sludge	88 kg/day	Will be ased as a similar		
1.4	R.G Area in sq.m	On Ground: 5280.58				
14.	R.O Alea in sq.iii	On Podium: 4:				
1.5	Power requirement		d: 3654.90 kw	·W		
15.	Power requirement		mand: 2436.53 k			
16	Energy Efficiency	Total Energy	Savings: 22%			
10.	Ellergy Efficiency	By Solar Ene	rgy; 1070	conacity 500 kVA		
17.	D.G. set capacity			capacity 500 kVA		
		4W: 996 Nos				
18.	Parking 4W & 2W	2W: 1158 Nos. Bicycle: 1158 Nos.				
		Bicycle, 1130	U tank of canaci	tv 55 KL		
 19	Rain water harvesting	1 No. of RWH tank of capacity 55 KL Provision of 10 Nos. of recharge pits				
	Scheme					
20	. Project Cost in (Cr)	536 Cr Capital Cost –1960.52 Lakhs				
 21	. EMP Cost	Capital Cost	43 38 Lakhs/v	rear		
۱ کــــــــــــــــــــــــــــــــــــ		O & M Cost - 43.38 Lakhs/year 1 % of Project cost i.e 536 Lacs				
22	2. CER Details	1 % of Proje	Ci COSt I.C 330 El			

3. The proposal has been considered by SEIAA in its 197th 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:

- PP to ensure that CER plan gets approved from Municipal Commissioner.
- PP shall comply with standard EC conditions mentioned in the office memorandum issued I. II. by MoEF& CC vide F. No. 22-34/2018-IA.III dt. 4.01.2019.
- SEIAA decided to grant Environment Clearance for FSI area of 84784.53 m2, Non FSI area of 78074.89 m2 and total BUA of 162859.42 m2 (Plan Approval no- BMU/Mau. MAAN/S NO 98 111. PAI AND OTHERS /C634/19-20 DATED 06.03.2020)

General Conditions:

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.

- The diesel generator sets to be used during construction phase should be low sulphur diesel XVIII. type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
 - The diesel required for operating DG sets shall be stored in underground tanks and if required, XIX. clearance from concern authority shall be taken.
 - Vehicles hired for bringing construction material to the site should be in good condition and XX. 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.
 - Ambient noise levels should conform to residential standards both during day and night. XXI. 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.
 - Fly ash should be used as building material in the construction as per the provisions of Fly XXII. 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).
 - Ready mixed concrete must be used in building construction. XXIII.
 - Storm water control and its re-use as per CGWB and BIS standards for various applications. XXIV.
 - Water demand during construction should be reduced by use of pre-mixed concrete, curing XXV. agents and other best practices referred.
 - The ground water level and its quality should be monitored regularly in consultation with XXVI. Ground Water Authority.3
 - 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 XXVII. department before the project is commissioned for operation. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/ refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
 - Permission to draw ground water and construction of basement if any shall be obtained from XXVIII. the competent Authority prior to construction/operation of the project.
 - Separation of grey and black water should be done by the use of dual plumbing line for XXIX. separation of grey and black water.
 - Fixtures for showers, toilet flushing and drinking should be of low flow either by use of XXX. aerators or pressure reducing devices or sensor based control.
 - 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 XXXI. windows.
 - Roof should meet prescriptive requirement as per Energy Conservation Building Code by XXXII. using appropriate thermal insulation material to fulfil requirement.
 - Energy conservation measures like installation of CFLs /TFLs for the lighting the areas XXXIII. 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.
 - 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.
- A separate environment management cell with qualified staff shall be set up for XLVII. implementation of the stipulated environmental safeguards.
- Separate funds shall be allocated for implementation of environmental protection XLVIII. 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
 - The project management shall advertise at least in two local newspapers widely circulated in XLIX. 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
 - Project management should submit half yearly compliance reports in respect of the stipulated L. prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
 - 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 LI. received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
 - 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 LII. shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, 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.
 - 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 LIII. e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
 - 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 LIV. 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, 1st Floor, D Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

(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



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 - 20090000 96

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 & Transboundry 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
- 2. The capital investment of the project is Rs.536 Crs. (As per undertaking submitted by pp).
- 3. 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

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

	Permitted (in CMD)		Standards to Disposa	
/	Nil	Nil	Nil	
#	METER .		17.7	
1				
1				

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

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.

 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:

- 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.

Sr. No.	Parameters	Standards prescribed by Board
		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.

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
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:

 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

 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/Nm3
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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 replacemenalteration 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:

Sr. No.	Consent(C2E/C2O /C2R)	Amt of BG Imposed	Submission	Purpose of BG	Compliance Period	Validity Date
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

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	BG
1			NA			

SCHEDULE-IV

Conditions during construction phase

- A During construction phase, applicant shall provide temporary sewage and MSW treatment and disposal facility for the staff and worker quarters.
- During construction phase, the ambient air and noise quality shall be maintained and should be closely monitored through MoEF approved laboratory.
- 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.
- Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 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 sitting 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.

- 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



पुणे महानगर प्रदेश विकास प्राधिकरण, पुणे

Pune metropolitan Regional Development Authority, Pune

स.नं. १५२ - १५३, महाराजा सयाजीराव गायकवाड उद्योग भवन, औंध, पूणे - ४११००७.

S.No. 152 - 153, Maharaja Sayajirao Gaikwad Udyog Bhawan, Aundh, Pune – 411007 Ph No: 020 - 259 33 344 / 356 / 333 / দৌন ন. : ০২০ - ২৭৭ 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.६ /८३/२०२० 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 शर्तींस अधिन राहून उक्त प्रस्तावास विकास परवानगी व प्रारंभ प्रमाणपत्र देण्यात येत आहे.

मा. महानगर आयुक्त तथा मुख्य कार्यकारी अधिकारी यांचे मा

महानगर आयुक्त

तथा

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

पुणे महानगर प्रदेश क्षेत्र विकास प्राधिकरण, पुणे यांचेकडील दिरुष्ठ २०२० रोजीचे पत्र क्र. क्रिक्ट सोबतचे

परिशिष्ट ' अ '

१. मंजूर नकाशाप्रमाणेच जागेचा विकास व बांधकाम करणे बंधनकारक राहील.

1

- सदर विकास परवानगी व प्रारंभ प्रमाणपत्र हे एक वर्षांच्या कालावधीकिरता अंमलात राहील. तद्नंतर त्यापुढे आवश्यकतेनुसार विहीत मुदतीमध्ये सदर परवानगी व प्रमाणपत्राचे नुतनीकरण करुन न घेतल्यास सदरचे परवानगी व प्रमाणपत्र संपुष्टात येईल.
- प्रस्तावासोबत बिनशेती मोजणी दि. १४/१२/२०१९, मो.र.नं. ११६८/२०१९ ने केलेल्या वहीवाटीचे मोजणी नकाशातील हदीचे तसेच जागेच्या मालकी / विह्वाटीबाबत अर्जदाराने / विकासकाने/ जमीनमालकाने याबाबत सादर केलेल्या प्रतिज्ञापत्राचे अधिन राहून परवानगी देण्यात येत आहे. सदर जिमनीचे वहीवाटीचे / हदीचे अनुषंगाने अथवा इमारतीबाबत कोणतेही व्यक्तिगत वाद / न्यायालयीन वाद उद्भवलेस त्याची सर्वस्वी जबाबदारी अर्जदार / विकासक / जिमनमालक यांची राहील. ज्या जागेची मालकी / विह्वाट, अर्जदार / विकासक / जिमनमालक यांची नाही अशा कोणत्याही जिमनीवर सदर परवानगीद्वारे विकास अनुशेय राहणार नाही.
- प्रस्तुतच्या जिमनीवर आर्थिक संस्थाचा बोजा असल्यास त्यास अर्जदार / जमीनमालक / विकासक सर्वस्वी जबाबदार राहतील.
- ५. नागरी जमीन (कमाल धारणा व विनियमन) अधिनियम, १९७६ हा निरिसत झाला असल्याने या अधिनियमांतर्गत बार्बीकिरिता प्रस्तावासोबत आपण रु.५००/- च्या स्टॅम्प पेपरवरील दिनांक ७/८/२०१९ रोजी नोटरी श्री. आर.जी. बिरादार यांचेसमोर केलेले विहीत 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 राहील सदर शपथपत्र व बंधपत्रातील माहिती चुकीची अथवा दिशाभूल करणारी आढळून आल्यास झालेले बांधकाम अनिधकृत समजून कारवाईस पात्र राहील.
- ६. मंजूर रेखांकनानुसार अंतर्गत रस्ते, सुविधा भृखंडातील क्षेत्र त्याचप्रमाणे मंजूर प्रादेशिक योजनेचे रस्ते /रस्ता रुंदीने बाधीत क्षेत्र जागा मालकास/विकासकास वाढीव चटईक्षेत्राच्या बदलात संबंधित नियोजन प्राधिकरणाकडे हस्तांतरीत करावयाचे झाल्यास अशा अनुषंगिक क्षेत्राची मोजणी जागा मालकाने /विकसकाने संबंधित भूमी अभिलेख विभागाकडे रितसर अर्ज करुन घेणे बंधनकारक राहील. तद्नंतर अशा क्षेत्राखालील जिमनीचे खरेदीखत संबंधित नियोजन प्राधिकरणाचे नावाने जागा मालकाने/विकसकाने स्वखर्चाने करुन 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.

- मंजूर नकाशात दर्शविलेप्रमाणे नियोजित बांधकामापासुन पुढील, मागील व बाजुची सामासिक अंतरे प्रत्यक्षात
 जागेवर कायम व खुली ठेवणे आवश्यक राहील.
- रेखांकनातील भूखंड व नियोजित इमारतीचा वापर फक्त रहिवास याप्रमाणे अनुज्ञेय केलेल्या वापरासाठी करणे बंधनकारक राहील.
- ९. इमारतीचे जोता तपासणीसाठी अर्ज करताना अकृषिक परवानगी आणि परवानाधारक, वास्तुविशारद/अभियंता/स्ट्रक्चरल अभियंता /सुपरवायझर यांचे प्रमाणपत्र सादर करणे बंधनकारक राहील, त्याचप्रमाणे भोगवटा प्रमाणपत्रासाठी अर्ज करताना बांधकाम प्रस्तावांतर्गत जिमनीचे महसूल / भूमी अभिलेखात एकत्रिकरण/ उपविभागणी केलेला अद्यावत ७/१२ उतारा /प्रॉपर्टी कार्ड व मोजणी नकाशा सादर करणे बंधनकारक राहील.
- १०. इमारतीचे मंजूर नकाशानुसार जोत्यापर्यंतचे बांधकाम पूर्ण झाल्यानंतर जोते तपासणी प्रमाणपत्र प्राप्त करुन न घेता पुढील बांधकाम केल्यास सदरचे बांधकाम अनिधकृत समजण्यात येऊन असे बांधकाम दंडात्मक कार्यवाहीस पात्र राहील.
- 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 राहील.
- १२. रेखांकनातील रस्ते, गटारे, खुली जागा इत्यादी अर्जदारांने / विकासकांने / जमीनमालकाने भुखंड / सदिनका वितिरत करण्यापूर्वी जागेवर स्वखर्चाने व समाधानकारकरित्या विकिसत 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 राहील. मात्र, पूररेषेलगतचा 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 / जागेलगतच्या नाल्याच्या/नदीच्या नैसर्गिक प्रवाहास अडथळा येईल, असे कोणतेही बांधकाम करता येणार नाही. त्याचप्रमाणे उक्त जिमनीवरील विकास करताला जागेवरील भूपृष्ठ रचनेमध्ये अनाधिकृत बदल

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

- १७. स्टिल्ट भविष्यात बंदिस्त करण्यात येऊ नये. तसेच स्टिल्टचा वापर फक्त पार्किंगसाठीच करण्यात यावा.
- स्ट्रक्चरल इंजिनिअर/डिझायनर यांनी तयार केलेल्या Structural Design नुसार प्रत्यक्ष जागेवर विकास करणेची जबाबदारी विकासक व सुपरवायझर यांची संयुक्तिक राहील.
- १९. अर्जदार / विकासक / जिमनमालक 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 / जिमनमालक यांचेवर बंधनकारक राहील. (नियम क्र. ७.१)
- २०. शासन नगर विकास विभागाकडील दि. १९/११/२००८ चे निदेश क्र. टिपीव्ही-४३०८/ ४१०२/ प्र.क्र.३५९/०८/निव-११ नुसार अर्जदार / विकासक / जिमनमालक व वास्तुविशारद यांनी बांधकाम नकाशामध्ये प्रत्येक सदिनकेचे एकूण चटईक्षेत्र (Carpet area) नमूद केलेले आहे. सदर नमूद चटई क्षेत्रा (Carpet area) बाबत आकडेमोड, गणितीय चुका इ. बाबत वास्तुविशारद व अर्जदार / विकासक / जिमनमालक संयुक्तिकिरित्या जबाबदार राहतील.
- २१. नियोजित इमारतीसाठी / विकासासाठी आवश्यक असणाऱ्या पिण्याच्या पाण्याची सोय आपण अश्वासित केलेल्या सक्षम प्राधिकरणाने / ग्रामपंचायतीने न केल्यास या प्रकल्पातील सदिनका 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 राहील.
- २२. ओला व सुक्या कचऱ्याकरिता सदर जागेत स्वतंत्र कंटेनरची सोय करणे आवश्यक राहील विघटन होणाऱ्या ओल्या कचऱ्यासाठी गांडूळखत प्रकल्प अर्जदार / विकासक / जिमनमालक यांनी स्वखर्चाने करावयाचा आहे.
- २३. सदर जिमनीचे 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 / जिमनमालक यांचेवर बंधनकारक राहील.
- सौर उर्जेवर पाणी तापविण्यासाठीची यंत्रणा अर्जदार / विकासक / जिमनमालक यांनी इमारतीचे वापरापूर्वी स्वखर्चाने करावयाची आहे.
- २५. वेस्ट वॉटर ट्रीटमेंट प्लॅन्ट यंत्रणा उभारणे अर्जदार / विकासक / जिमनमालक यांचेवर बंधनकारक असून पाण्याचा फेरवापर बगीचा, झाडाची जोपासना यासाठी करणे आवश्यक असहे.

पुज प्रशि

- 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 करुन नियम क्र. ७.६ नुसार भोगवटा प्रमाणपत्र प्राप्त करुन घेतल्याखेरीज कोणत्याही इमारतीचा भागशः / पूर्णतः वापर सुरु केल्यास अर्जदार / विकासक / जमीनमालक कारवाईस पात्र राहील.
- २७. प्रमाणित विकास नियंत्रण आणि प्रोत्साहन नियमावलीमधील तरतूदी नुसार विशेष इमारतीबाबत :-
- а) प्रमाणित विकास नियंत्रण आणि प्रोत्साहन नियमावलीमधील तरतृदी नुसार प्रस्तावित इमारती सभोवताली ६ मी. रुंदीचे पाथवे किमान ४५ टन वजनाचे फायर इंजिनचा भार पेलु शकेल याप्रमाणे डिझाईन करुन विकसीत करणे अर्जदार / विकासक / जिमनमालक यांचेवर बंधनकारक आहे.
- b) अर्जदार / विकासक / जिमनमालक यांनी प्रस्ताविल्यानुसार सर्व उंच इमारती स्टिल्ट वर असणे आवश्यक राहील त्याचबरोबर वाहनतळ सुविधा प्रमाणित विकास नियंत्रण आणि प्रोत्साहन नियमावलीमधील तरतूदी नुसार प्रस्तावित करणे आवश्यक राहील.
- c) नगर विकास विभागाच्या दिनांक २८.८.२००९ रोजीच्या अधिसुचना प्रमाणे नियम क्र. ४ मधील टीप ii प्रमाणे पुणे महानगर प्रदेश विकास प्राधिकरणाचे मुख्य अग्निशमन अधिकारी यांनी १५ मी. पेक्षा उंच इमारतीच्या नियोजनातील जिन्याचे व लिफ्टचे स्थान मान्य केलेले आहे. सदर नियोजनाव्यतिरिक्त नियोजनात बदल करणे आवश्यक झाल्यास पुन्हा संबंधित मुख्य अग्निशमन अधिकारी / संचालक यांची मंजुरी 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 अटीं/ शर्तीची पूर्तता करणे अर्जदार / विकासक / जिमनमालक यांचेवर बंधनकारक राहील.
- d) प्रमाणित विकास नियंत्रण आणि प्रोत्साहन नियमावलीमधील तस्तूदी नुसार बार्बीची पुर्तता तसेच अग्निप्रतिबंधक उपाययोजनाबाबत भाग-४ मधील बार्बीची पुर्तता करणे अर्जदार/विकासक/ जिमनमालकावर बंधनकारक राहील.
- नेहमीच्या वापरासाठीच्या पाणी पुरवठयाशिवाय अग्निप्रतिबंधक व्यवस्थेकरीता, पाणीपुरवठा बाबतची पुर्तता अर्जदार / विकासक / जिमनमालक यांनी स्वखर्चाने, स्वजबाबदारीवर करणे आवश्यक राहील.
- प्रमाणित विकास नियंत्रण आणि प्रोत्साहन नियमावलीमधील तरतृद क्र. १८ नुसार लिफ्टची सुविधा उपलब्ध करुन देणे आवश्यक राहील.
- g) अशा इमारतींचे Structural Design हे भुकंप प्रतिबंधक असणे आवश्यक राहील. अर्जदाराने / विकासकाने / जिमनमालकाने इमारतीचे Structural Stability बाबत नोंदणीकृत Structural Engineer चे प्रमाणपत्र संबंधित अग्निशमन अधिकारी यांचेकडे व या प्राधिकरणाकडे दाखल करणे आवश्यक राहील.
- h) भोगवटा प्रमाणपत्र देण्यापूर्वी सर्व अग्निशमन यंत्रणा व सुविधांची पूर्तता करुन सदर यंत्रणा सुस्थितीत कार्यान्वित असलेबाबत अग्निशमन विभागाकडील अंतिम नारहकत प्रमाणपत्र सादर करणे अर्जदार / विकासक / जिमनमालक यांचेवर बंधनकारक राहील.
- पुणे महानगर प्रदेश विकास प्राधिकरण यांनी पत्र क्र. FPM/३६९/२०१९, दि. २३/९/२०१९ अन्वये ना हरकत दाखला व सोबतचे नकाशे सांक्षाकीत केलेले आहेत. सदरचे नकाशामध्ये 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.
- प्रस्तुत जिमनीवर भिवष्यात छाननी शूल्क, प्रिमीयम शूल्क, विकास शूल्क, 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 रह समजणेत येईल.

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

मा. महानगर आयुक्त तथा मुख्य कार्यकारी अधिकारी यांचे मान्यतेने

1

(इदिर) ११% कि । १५% महानगर आयुक्त

तथा

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

PART D

ANNEXURE NO.	ANNEXURE
Annexure -01	Sanitary & Hygienic Measures
Annexure -02	Facilities provided to Labour Hutments
Annexure -03	PUC REGISTERATION
Annexure -04	PAPER ADVERTISMNET
Annexure -05	Ambient air, Noise, Water Monitoring and analysis Reports

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.

•

FACILITIES PROVIDED TO LABOUR HUTMENTS

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

<u>Site Address</u>: S.No.98/I(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: 128 Nos of Hutments and 48 Nos of kitchen for cooking has been provided.

Total No. of Labor : 630 nos.

Facilities provided:

- We have provided-38 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 gams / 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 IIIPUC Registration

Authoris

Issued By: PUNE Motor Vohicles Department, Maharashtra



TEST RESULT : PASS VALID TILL: 24/Jun/2021

Certificate Si

MH01201360004010

Registration

MH06K8443

Chasels No. Singine No.:

214475 372510

Class of Veh Make:

Excavator (NT) TATA MOTORS LTD

Model

2516

Vehicle Cates

HEAVY GOODS

VEHICLE

Date of Regis

23/Dec/2004 BHARAT STAGE II

Emission Non Fuel:

DIESEL

Cate of Testin

25/Dec/2020

DIESEL DRIVEN VEHICLES Certified that the vehicle conforms to the standards prescribed under rule 115(2) of CMV Rules 1989

FUEL	Ught Absorption Coefficient (Permissible Umit)	Measured Value
DIESEL	2.45	0.32

Time of Testin

Fee Charges Fee Charges

18:55:04

Rs.110.0

(one hundred ten rupees only)

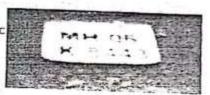
Auto Emission Testing Centre Code: MH0120136

Testing Centre Name: HINDUSTAN PUC

CENTER Centre Address: SR NO. 14 SOLAPUR ROAD, HADAPSAR PUNE, 411028

Test Conducted By: KAZI ABOUL

AHMED HASAN



A COLUMN TO SERVICE AND ADDRESS OF THE PARTY	IDLE RPM	MAX RPM		
TEST 1	555.0	The state of the s	K_VALUE	OIL TEMP
TEST 2	500.0	4555.0	0.32	55.0
TEST 3		4555.0	0.32	55.0
	500.0	4555.0	0.32	1900
AVG	518.33334	4555.0		55.0
and the second second	Suntain the Fall of the same	1 333.0	0.32	55.0

POLLUTION UNDER CONTROL CERTIFICATE Issued By: PIMPRI-CHINCHWAD

POSS, WARRIST SHOWN IN A STATE OF THE STATE

Authorised by Motor Vehicles Department, Maharashtra



TEST RESULT : PASS VALID TILL: 13/Feb/2022

Certificate St. No.:

MH01400270005168

Registration No.:

MH14GU5445

Chausis No.:

MAT4482351AB***** 81AB44****

Engine No.: Class of Vehide

Goods Carrier

TATA HOTORS LTD

Model.

50649638000R

HEAVY GOODS

VEHICLE

Date of Registra

28/Mar/2018

Emission Norths

BHARAT STAGE IV

Fuel

DIESEL

Date of Testing:

14/Feb/2021

DIESEL DRIVEN VEHICLES Certified that the vehicle conforms to the standards prescribed under rule 115(2) of CHV Rules 1989

FUEL	Light Absorption Coefficient (Permissible Limit)	t/teasured Value	
DIESEL	1.62	0.14434	

Time of Testing: Fee Charged: Fee Charged: 17:33:12

Rs.110.0 (one hundred ten rupees only)

Auto Emission Testing Centre Code: MH0140027 Auto Emission Testing Centre Code: MH0140027
Testing Centre Name: KAKADE AGENCIES
Centre Address:
H.NO.281, AADARSHNAGAR, HINSEWADI, PUNE, 411057
Test Conducted By: MR.PRAKASH SURYAKANT
KAKADE



TEST RESULT FOR DIESEL VEHICLE OIL TEM MAX RPM 4617.0 0.169 ICLE RPM 0.0 699.0 699.0 TEST 1 0.0 0.264 6177.0 0.0 0.0 5217.0 699.0 TEST 3 0.14434 0.0 5337.0

Issued By: PIMPRI-CHINCHWAD
Authorised by Motor Vehicles Department, Maharashtra



TEST RESULT : PASS VALID TILL: 13/Feb/2022

MH01400270005169

MH14GU5444

MAT448235JAB**

81A844****

Goods Carrier

TATA MOTORS LTD

50649638000R

HEAVY GOODS

VEHICLE

28/Mar/2018

BHARAT STAGE IV DIESEL

14/Feb/2021

DIESEL DRIVEN VEHICLES
Certified that the vehicle conforms to the standard under rule 115(2) of CMV Rules 1989

FUEL.	Light Absorption Coefficient (Permissible Limit)	Measured Value
DIESEL	1.62	0.301

Time of Testing Fee Charged: , Fee Charged: 18:25:04

Rs.110.0 (one hundred ter

rupees only)

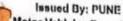
Auto Emission Testing Centre Code: MH0140027 Testing Centre Name: KAKADE AGENCIES

Centre Address: H.NO.281,AADARSHNAGAR,HINJEWADI,PUNE,411057 Test Conducted By: MR.PRAKASH SURYAKANT KAKADE



TEST RESULT FOR DIESEL VEHICLE

TEST 1 1156.0 3777.0 0.39 TEST 2 1156.0 2997.0 0.203	OR TEMP
TEST 2 1156 0 2007 0.39	The second second
TEST 2 1 1166 0 2007 -	
TEST 3 1156.0 3507.0	0.0
3397.0 0.311	0.0
AVG 1156.0 3457.0 0.301	0.0



Authoris Motor Vehicles Department, Maharashtra



TEST RESULT : PASS VALID TILL: 24/Jun/2021

Certificate S. No.:

MH01201360004015

Registration Chassis No

MH15CK2890 MAT448083A3BO2037

Engine No.

01852841611

Class of Veh Make:

Goods Canter TATA MOTORS LTD

Model:

LPK 2518TC BSIII TRANSIT MIXER

Vehicle Category:

HEAVY GOODS VEHICLE

Date of Regis

07/May/2010 BHARAT STAGE III

Fuel:

DIESEL

Date of Test

25/Dec/2020

Time of Testin

Fee Charge Fee Charge 19:01:27

Rs.110.0

(one hundred ten

rupees only)

Auto Emission Testing Centre Code:

MH0120136

Testing Centre Name: HINDUSTAN PUC CENTER

Centre Address: SR NO. 14 SOLAPUR ROAD, HADAPSAR PUNE, 411028 Test Conducted By: KAZI ABDUL

AHMED HASAN



DIESEL DRIVEN VEHICLES Certified that the vehicle conforms to the standards prescribed under rule 115(2) of CMV Rules 1989

PUEL	Light Absorption Coefficient (Permissible Limit)	Mensured Value
DIESEL	2.45	0.41



TEST RESULT FOR DIRECT VILLEGE

	IDLE RPM	MAX RPM		The state of the state of the state of
TEST 1	817.0	The same of the sa	K_WALUE	OIL TEMP
TEST Z		2233.0	0.57	255.0
	817.0	2432.0	0.34	
TEST 3	813.0	2499.0		255,0
AVG	815.66667		0.32	255.0
		2388.0	0.41	255.0

This is a computer generaled cortificate and does not require signature Fuel Norms entered by PUC center MH0120136 manualy, Please visit RTO and correct norm

Issued By: PUNE Author My Motor Vehicles Department, Maharashtra

TEST RESULT : PASS VALID TILL: 25/Jun/2021

Certificate St. No.:

MH01201360004051

Registration No.:

МНОБК6668 396091AVZ201301

Engine No Class of Vonicle 40A62313208

Goods Carrier TATA MOTORS LTD

Model:

TATA 2516 HEAVY GOODS

Vehicle Category.

VEHICLE

Date of Registration: Emission Norms:

30/Apr/2004 BHARAT STAGE III

DIESEL

Date of Testing:

26/Dec/2020



DIESEL DRIVEN VEHICLES Certified that the vehicle conforms to the standards prescribed under rule 115(2) of CMV Rules 1989

FUEL	Light Absorption Coefficient (Permissible Limit)	Measured Value	
DIESEL	2.45	0.10667	

Time of Test Fee Charge Fee Charged: 16:40:04

Rs.110.0

(one hundred ten rupees only)

Auto Emission Testing Centre Code:

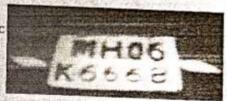
MH0120136

Testing Centre Name: HINDUSTAN PUC

CENTER

Centre Address: SR NO. 14 SOLAPUR ROAD, HADAPSAR PUNE, 411028 Test Conducted By: KAZI ABOUL

AHMED HASAN



TEST RESULT FOR DIESEL VEN

	IDLE RPM	MAY DIESEL VENIC	E STATE OF THE STA	
TEST 1	800.0	MAX RPM	K_VALUE	OIL TEMP
TEST 2	740.0	2878.0	0.09	255.0
TEST 3	1,71,01001 175	2775.0	0.14	255.0
AVG	796.0	2913.0	0.09	The second secon
7.10	778.66667	2855.33334	0.10667	255.0
A CONTRACTOR	CONTRACTOR STORES	AND SHARE OF THE PARTY OF THE P	O-1000/	255.0

This is a computer generated certificate and does not require signature Fuel Norms entered by PUC center MH0120136 manually, Please visit RTO and correct norms

Issued By: PUNE

Authorises Motor Vehicles Department, Maharashtra



TEST RESULT : PASS VALID TILL: 24/Jun/2021

MH01201360004010

Registration

MH06K8443

Chassis No Engine No.:

214475

372510

Make

Excavator (NT) TATA MOTORS LTD

Model:

2516

HEAVY GOODS

Date of Regi

VEHICLE

Emission No

23/Dec/2004 BHARAT STAGE II

Fuel-

DIESEL

Date of Testi

25/Dec/2020

DIESEL DRIVEN VEHICLES Certified that the vehicle conforms to the standards prescribed under rule 115(2) of CMV Rules 1989

FUEL	Light Absorption Coefficient (Permissible Limit)	Measured Value	
DIESEL	2,45	0.32	

Time of Testi Fee Charged Fee Charges 18:55:04

Rs.110.0

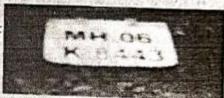
Auto Emission Testing Centre Code: MH0120136

(one hundred ten rupees only).

Testing Centre Name: HINDUSTAN PUC CENTER Centre Address: SR NO. 14 SOLAPUR

ROAD, HADAPSAR PUNE, 411028 Test Conducted By: KAZI ABOUL

AHMED HASAN



A 30 10 10 10 10 10 10 10 10 10 10 10 10 10	IDLE RPM	MAX RPM	Control of the Contro	
TEST 1	555.0	4555.0	K_VALUE	OIL TEMP
TEST 2	500.0	The second secon	0.32	55.0
TEST 3	The second secon	4555.0	0.32	55.0
AVG	500.0	4555.0	0.32	55.0
AVG	518.33334	4555.0	0.32	The second secon
ALL THE RESERVE AND ADDRESS OF THE PARTY OF	All of the state o		0.32	55.0

This is a computer generated certificate and does not require signature

Issued By: PUNE Motor Vehicles Department, Maharashtra

FUEL

DIESEL

10/11/11

Measured

Value

0.24667

TEST RESULT : PASS VALID TILL: 24/Jun/2021

DIESEL DRIVEN VEHICLES

Light Absorption Coefficient

(Permissible Limit)

Certified that the vehicle conforms to the standards prescribed

under rule 115(2) of CMV Rules 1989

MH01201360004021

MH14V5653

Engine No.

396091GVZ209502 40G62346901

Goods Carrier

TATA MOTORS LTD

LPK 2518 TC **HEAVY GOODS**

Vehicle Cate

VEHICLE

Date of Regis

13/Sep/2004

BHARAT STAGE III

DIESEL

Time of Testin

Fee Charge

Fee Charge

Date of Testin

25/Dec/2020

Auto Emission Testing Centre Code:

19:10:39

Rs.110.0

Testing Centre Name: HINDUSTAN PUC CENTER

(one hundred ten

rupees only)

Centre Address: SR NO. 14 SOLAPUR ROAD, HADAPSAR PUNE, 411028 Test Conducted By: KAZI ABDUL

AHMED HASAN

MH0120136

TEST RESULT FOR DIESEL VEHICLE

	IDLE RPM	MAX RPM		Marie Table
TEST 1	817.0	The state of the s	K_VALUE	OIL TEMP
TEST 2	859.0	2620.0	0.29	255.0
TEST 3	The state of the s	2482.0	0.19	255.0
	831.0	2684.0	0.26	
AVG	835.66667	2595.33334		255.0
			0.24667	255.0

This is a computer generated certificate and does not require signature Fuel Norms entered by PUC center MH0120136 manually, Please visit RTO and correct norms

Issued By: PUNE

Authorised by Motor Vehicles Department, Maharashtra

FUEL

DIESEL



Measured

Value

0.02

TEST RESULT : PASS VALID TILL: 25/Jun/2021

DIESEL DRIVEN VEHICLES

Certified that the vehicle conforms to the standards prescribed

under rule 115(2) of CMV Rules 1989

Light Absorption Coefficient

(Permissible Limit)

2.45

Certificate St. No.:

MH01201360004065

Registration No.: Chassis No :

MH31CQ6192 396091AUZ201383

Engine No.:

50A62384962

Class of Vehicle:

Goods Carrier TATA MOTORS LTD

Model

2516/C/E2/LPK/3880

TIPPER

Vehicle Category:

HEAVY GOODS VEHICLE

Date of Registration

12/Jan/2010

Emission Norma

BHARAT STAGE III

Fuel

DIESEL

Date of Testing:

26/Dec/2020

Time of Testing: Fee Charged:

Fee Charged:

20:14:28

Rs.110.0

(one hundred ten rupees only)

Auto Emission Testing Centre Code:

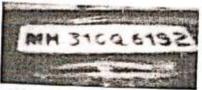
MH0120136

Testing Centre Name: HINDUSTAN PUC

CENTER

Centre Address: SR NO. 14 SOLAPUR ROAD, HADAPSAR PUNE, 411028 Test Conducted By: KAZI ABDUL

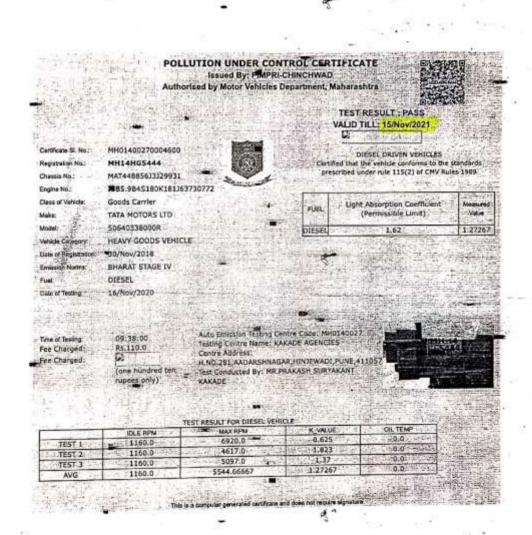
AHMED HASAN



TEST RESULT FOR DIESEL VEHICLE

-	IDLE RPM	MAX RPM		
TEST 1	804.0		K_VALUE	OIL TEMP
TEST 2	808.0	3121.0	0.02	255.0
TEST 3	The second secon	2865.0	0.02	
The state of the s	808.0	3052.0	0.02	255.0
AVG	806.66667	3012.66667		255.0
		5012.00007	0.02	255.0

This is a computer generated certificate and does not require signature Fuel Norms entered by PUC center MH0120136 manualy, Please visit RTO and correct norms



ANNEXURE – 4 Paper Advertisement



क. मै. २३/१/१/ २३/१/२३ वर्ड्य/१/१/१ पार्टी पोने महर्मकार्ति हुने, महामद्र का तिकामीमार्टिन "मान मृत्र में महर्मकार्या कि. हुने, महामद्र का तिकामीमार्टिन "मान मृत्र "में, पान सीमान प्राप्त मान प्रत्य का तिकाम महर्मकार्या कि. हुने हैं मान करने प्रत्य करने कहें, मान प्रत्ये का तिकाम महिली का पार्ट्य हुन्या निर्माण किया कि वार्टिन महत्त्व का तिकाम महिला कि. प्रत्ये का तिकाम किया किया कि. प्रत्ये का तिकाम के तिकाम

BF UTILITIES LIMITED

OSBI

भारतीय रहेट वैंक, होस्स अंसेट निकरती तावा. (सार्य) पुषे संख्याच्या सारत सिर्वेट, राव करत १४८८८, व्याल्य हो के, तेना समय चैन, स्थानी के, पुणे-१८५०र, स्थानित न्वेन-१८४८

(ई-लिलाव विक्री नोटीस)

सिवहरिदावहासन और विरान्द्रकान और प्रधानन्त्रीयम अंगेटन और एन्योकीट और सिवहरिट होनेट और २००३ बनाई कीमा ताला दिसंस्य अधान नामनोत्री दिवी কৰা বাই কানে এইছন মহিলাই বাহাই গ্ৰাই কৰাই জাইবা ক্ৰম ২--২ মন বন ৭) (প্ৰকাশ কাৰ্ট কোনা কৰা কৰা কৰা কৰা কৰা কৰা কৰা কৰাই কৰাই কৰাই বাহাই কৰাই কৰাই কৰাই কৰাই কৰাইক বিচাৰ কৰাইক কৰাইক কৰাইক কৰাইক বাহাইক বাহাইক কৰাইক কৰাইক কৰা

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2) widowill will	अविश्ववांती संवे	रेले प्रस्त कारणीता पालमात विश्वीत प्राचारी ताहे वि. १६, १९, १९ ४५ वर्ष वर्ष, १९५ (४, १९५४) इंग्लाचीनारी सकत कक्ष्रे जीता पुरीन गांत, गांत, गुला १,		
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FINANCIAL EXPRESS

16 BACK PAGE DEAL-MAKING FRENZY

President Trump's TikTok ban leaves Apple, Google stuck in the middle

An order, issued on August 14, gave TikTok 90 days to divest its US biz

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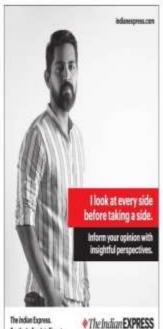
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For the Indian Intelligent. ---



HIBE HOUSING DEVELOPMENT FINANCE CORPORATION LTD New Office: HDFC-List, Office No. 7 and S. Fifth Floor, Goding Etention C. Wing R. Law Pume 411505 (184): 808-28988880 (1894 - 17010058-115179122170816 (1894 POSSESSION NOTICE

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Annexure V

Ambient Air Water Noise Monitoring and Analysis



ISO 9001:2015 Certified ISO 14001:2015 Certified ISO 45001:2018 Certified

Environmental Consultancy & Laboratory Approved by MoEF&CC (Govt. of India)

AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

		TEST RE	EPORT				
					Date - 11/05/2021		
Sample/Report No.		AAQ/JSHPL1					
Name Of Customer	M/s. Joyv	ille Shapoorji Ho	ousing Pvt. I	<u>_td.</u>			
Address Of Customer	99/1, 99/2 Tal- Mulsł	2(P), 99/3(P), 99/ hi, Pune - 41105	/4(P),101/2(57.	(P) & 101/3			
Sample Drawn By		n 04/05/2021			05/05/2021		
Start of Analysis	05/05/202	21	End Of An	alysis	07/05/2021		
Monitoring For	Ambient /	Air Monitoring	Sampling I	Location	Near Entry Gate		
Sampling Duration	24 Hrly		Receptor I		2.00 meter from G.L.		
Ambient Temperature	Max- 40.6	6°C, Min-24.7°C	Relative H	umidity	Max- 31.4%, Min- 22.1%		
Limits	National /	Ambient Air Qua	lity Standard	ds Vide GS	R 826(E)16.11.2009		
Parameters	Unit	Result	Limits	Method Of Analysis			
General Parameters			<u> </u>				
Particulate matter less than 10 micron	μg/m³	62.45	100		/R-96/010a(Compendium O-2.1): 2017		
Particulate matter less than 2.5 micron	μg/m³	32.96	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017			
Sulphur Dioxide	μg/m ³	20.89	80	IS 5182 (part II) 2001, Reaff: 2017			
Oxides of Nitrogen	μ g /m³	24.71	80	IS 5182 (part VI) 2006,Reaff:2017		
Carbon Monoxide	mg/m ³	0.55	2.0	· · · · · · · · · · · · · · · · · · ·	part X) 1999,Reaff: 2014		
Lead	μ g /m³	BDL	1	IS 5182 (r	part XXII) 2004,Reaff:2014		
Ozone	μ g /m³	18.34	100	IS 5182 (r	part IX) 1974, Reaff: 2014		
Ammonia	μg/m ³	N.D.	400	APHA 2nd	d Edition Method No. 401		
Benzene	μg/m ³	BDL	5	IS 5182 (r	part XI) 2006, Reaff- 2017		
Benzo (a) Pyrene - Particulate Phase only	ng/m ³	BDL	1	`	Part 12):2004,Reaff: 2014		
Arsenic	ng/m ³	BDL	6	APHA 2nd	d Edition Method No. 822		
Nickel	ng/m ³	BDL	20	APHA 2nd	d Edition Method No. 822		

•BDL: Below Detection Limits.

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

For **GREEN ENVIRO**

SMJoshi



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

- Laboratory: Sr.No.45A/1-4A/4. "PARSHURAM", Eliphiston Road, Bopodi, Pune - 411003.
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- 020-25817978 M: +91 8208539774 / 9767684521 9881460031 / 9881081846 / 9370025564



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AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

		TEST RE	EPORT			
					Date - 11/05/2021	
Sample/Report No.		AAQ/JSHPL2				
Name Of Customer	M/s. Joyv	ille Shapoorji Ho	ousing Pvt. I	_td.		
Address Of Customer	99/1, 99/2 Tal- Mulsl	"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		n 04/05/2021			05/05/2021	
Start of Analysis	05/05/202	21	End Of An	alysis	07/05/2021	
Monitoring For	Ambient A	Air Monitoring	Sampling I		RMC Plant	
Sampling Duration	24 Hrly		Receptor I		2.00 meter from G.L.	
Ambient Temperature		0°C, Min-24.1°C	Relative H		Max- 32.3%, Min- 23.0%	
Limits	National A	Ambient Air Qua	lity Standar	ds Vide GS	R 826(E)16.11.2009	
Parameters	Unit	Result	Limits	Method C	Of Analysis	
General Parameters				•		
Particulate matter less than 10 micron	μg/m³	76.02	100		R-96/010a(Compendium D-2.1): 2017	
Particulate matter less than2.5 micron	μg/m³	43.95	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017		
Sulphur Dioxide	μg/m³	27.38	80	IS 5182 (part II) 2001,Reaff: 2017	
Oxides of Nitrogen	μg/m ³	32.18	80	IS 5182 (part VI) 2006,Reaff:2017	
Carbon Monoxide	mg/m ³	0.72	2.0		part X) 1999,Reaff: 2014	
Lead	μg/m ³	BDL	1	IS 5182 (p	oart XXII) 2004,Reaff:2014	
Ozone	μ g /m³	26.03	100	IS 5182 (p	part IX) 1974, Reaff: 2014	
Ammonia	μ g /m³	BDL	400	APHA 2nd	d Edition Method No. 401	
Benzene	μ g /m³	BDL	5	IS 5182 (p	oart XI) 2006, Reaff- 2017	
Benzo (a) Pyrene - Particulate Phase only	ng/m ³	BDL	1	IS 5182 (I	Part 12):2004,Reaff: 2014	
Arsenic	ng/m ³	BDL	6	APHA 2nd	d Edition Method No. 822	
Nickel	ng/m³	BDL	20	APHA 2nd	d Edition Method No. 822	

•BDL: Below Detection Limits.

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

For **GREEN ENVIRO**

SMJoshi



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

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AMRIENT AIR	OHALITY	MONITORING	ΔΝΔΙ ΥςΙς	REPORT
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		TEST RE	PORT			
					Date - 11/05/2021	
Sample/Report No.		GE/LAB/AAQ/JSHPL3				
Name Of Customer	M/s. Joyv	ille Shapoorji Ho	using Pvt. I	_td.		
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 or	n 04/05/2021	Sample Re	eceived On	05/05/2021	
Start of Analysis	05/05/202	21	End Of An	alysis	07/05/2021	
Monitoring For	Ambient A	Air Monitoring	Sampling I	Location	Near Building B	
Sampling Duration	24 Hrly		Receptor I		2.00 meter from G.L.	
Ambient Temperature	Max- 40.5	⁰ C, Min-24.5 ⁰ C	Relative H	umidity	Max- 31.6%, Min- 22.3%	
Limits	National A	Ambient Air Qua	lity Standar	ds Vide GS	R 826(E)16.11.2009	
Parameters	Unit	Result	Limits	Method Of Analysis		
General Parameters						
Particulate matter less than 10 micron	μ g /m³	66.23	100		/R-96/010a(Compendium O-2.1): 2017	
Particulate matter less than 2.5 micron	μg/m³	35.40	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017		
Sulphur Dioxide	μ g /m³	22.63	80	IS 5182 (part II) 2001,Reaff: 2017	
Oxides of Nitrogen	μg/m ³	26.48	80	IS 5182 (part VI) 2006, Reaff: 2017	
Carbon Monoxide	mg/m ³	0.60	2.0	IS 5182 (part X) 1999,Reaff: 2014	
Lead	μ g /m³	BDL	1	IS 5182 (part XXII) 2004,Reaff:2014	
Ozone	μ g /m ³	21.15	100	IS 5182 (part IX) 1974, Reaff: 2014	
Ammonia	μ g /m ³	BDL	400	APHA 2n	d Edition Method No. 401	
Benzene	μ g /m ³	BDL	5	IS 5182 (part XI) 2006, Reaff- 2017	
Benzo (a) Pyrene - Particulate Phase only	ng/m³	BDL	1		Part 12):2004,Reaff: 2014	
Arsenic	ng/m ³	BDL	6	APHA 2n	d Edition Method No. 822	
Nickel	ng/m ³	BDL	20	APHA 2n	d Edition Method No. 822	

•BDL: Below Detection Limits.

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

For **GREEN ENVIRO**

SMJoshi



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- www.mygreenenviro.com
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AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

		TEST RE	PORT			
					Date - 11/05/2021	
Sample/Report No.	GE/LAB/A	GE/LAB/AAQ/JSHPL4				
Name Of Customer	M/s. Joyv	ille Shapoorji Ho	ousing Pvt. I	_td.		
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 or	n 04/05/2021	Sample Re	eceived On	05/05/2021	
Start of Analysis	05/05/202	21	End Of An	alysis	07/05/2021	
Monitoring For	Ambient A	Air Monitoring	Sampling I	Location	Near Building C	
Sampling Duration	24 Hrly		Receptor I		2.00 meter from G.L.	
Ambient Temperature	Max- 40.3	⁰ C, Min-24.4 ⁰ C	Relative H	umidity	Max- 31.8%, Min- 22.5%	
Limits	National A	Ambient Air Qua	lity Standar	ds Vide GS	R 826(E)16.11.2009	
Parameters	Unit	Result	Limits	Method Of Analysis		
General Parameters				•		
Particulate matter less than 10 micron	μ g /m³	70.31	100		/R-96/010a(Compendium O-2.1): 2017	
Particulate matter less than 2.5 micron	μg/m³	39.86	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017		
Sulphur Dioxide	μ g /m³	24.62	80	IS 5182 (part II) 2001,Reaff: 2017	
Oxides of Nitrogen	μg/m ³	30.17	80	IS 5182 (part VI) 2006, Reaff: 2017	
Carbon Monoxide	mg/m ³	0.66	2.0	IS 5182 (part X) 1999,Reaff: 2014	
Lead	μ g /m³	BDL	1	IS 5182 (part XXII) 2004,Reaff:2014	
Ozone	μ g /m ³	23.01	100	IS 5182 (part IX) 1974, Reaff: 2014	
Ammonia	μ g /m ³	BDL	400	APHA 2n	d Edition Method No. 401	
Benzene	μ g /m ³	BDL	5	IS 5182 (part XI) 2006, Reaff- 2017	
Benzo (a) Pyrene - Particulate Phase only	ng/m³	BDL	1		Part 12):2004,Reaff: 2014	
Arsenic	ng/m ³	BDL	6	APHA 2n	d Edition Method No. 822	
Nickel	ng/m ³	BDL	20	APHA 2n	d Edition Method No. 822	

•BDL: Below Detection Limits.

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

For **GREEN ENVIRO**

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AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

		TEST RE	PORT			
					Date - 11/05/2021	
Sample/Report No.		AQ/JSHPL5				
Name Of Customer		ille Shapoorji Ho				
Address Of Customer	99/1, 99/2 Tal - Muls	"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		n 04/05/2021			05/05/2021	
Start of Analysis	05/05/202	21	End Of An	alysis	07/05/2021	
Monitoring For	Ambient A	Air Monitoring	Sampling I		Labour Colony	
Sampling Duration	24 Hrly		Receptor I		2.00 meter from G.L.	
Ambient Temperature		⁰ C, Min-24.2 ⁰ C	Relative H		Max- 32.0%, Min- 22.7%	
Limits	National A	Ambient Air Qua	lity Standard	ds Vide GS	R 826(E)16.11.2009	
Parameters	Unit	Result	Limits	Method C	Of Analysis	
General Parameters						
Particulate matter less than 10 micron	μ g /m³	52.60	100		R-96/010a(Compendium D-2.1): 2017	
Particulate matter less than2.5 micron	μg/m³	25.91	60	USEPA Method Aerosol Science Tech FRM 35(4)339-342: 2017		
Sulphur Dioxide	μg/m ³	13.77	80	IS 5182 (part II) 2001,Reaff: 2017	
Oxides of Nitrogen	μ g /m ³	17.49	80	IS 5182 (part VI) 2006,Reaff:2017	
Carbon Monoxide	mg/m ³	0.34	2.0		part X) 1999,Reaff: 2014	
Lead	μg/m ³	BDL	1	IS 5182 (oart XXII) 2004,Reaff:2014	
Ozone	μg/m³	12.05	100	IS 5182 (j	part IX) 1974, Reaff: 2014	
Ammonia	μg/m³	BDL	400	APHA 2nd	d Edition Method No. 401	
Benzene	μ g /m³	BDL	5	IS 5182 (oart XI) 2006, Reaff- 2017	
Benzo (a) Pyrene - Particulate Phase only	ng/m ³	BDL	1	IS 5182 (I	Part 12):2004,Reaff: 2014	
Arsenic	ng/m ³	BDL	6	APHA 2nd	d Edition Method No. 822	
Nickel	ng/m ³	BDL	20	APHA 2nd	d Edition Method No. 822	

•BDL: Below Detection Limits.

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

For **GREEN ENVIRO**

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	AMBIENT NOISE MONITORING ANALYSIS REPORT				
		TEST REPORT			
Sample/Report No).	GE/LAB/ANM/JSHPL1			
Name Of Custome	er	M/s. Joyville Shapoorji Housing P	vt. Ltd.		
Address Of Custom	ner	"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		11/05/2021			
Date Of Sampling		Vendor on 04/05/2021 & 05/05/20	21		
Date Of Analysis		04/05/2021 & 05/05/2021			
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)	44.1	55		
07:00 A.M.	dB(A)	45.9	55		
08:00 A.M.	dB(A)	47.3	55		
09:00 A.M. dB(A)		46.6	55		
10:00 A.M.	dB(A)	49.7 55			
11:00 A.M.	dB(A)	51.8 55			
12:00 P.M.	dB(A)	50.5	55		
13:00 P.M.	dB(A)	52.6	55		



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TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	53.2	55
15:00 P.M.	dB(A)	52.1	55
16:00 P.M.	dB(A)	53.9	55
17:00 P.M.	dB(A)	54.7	55
18:00 P.M.	dB(A)	54.2	55
19:00 P.M.	dB(A)	51.6	55
20:00 P.M.	dB(A)	52.4	55
21:00 P.M.	dB(A)	44.9	45
22:00 P.M.	dB(A)	43.8	45
23:00 P.M.	dB(A)	42.5	45
00:00 A.M.	dB(A)	40.7	45
01:00 A.M.	dB(A)	42.2	45
02:00 A.M.	dB(A)	41.1	45
03:00 A.M.	dB(A)	41.9	45
04:00 A.M.	dB(A)	40.3	45
05:00 A.M.	dB(A)	40.8	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**

2M/D21.

Govt. Analyst



Page No – 2

- Regd.Office: Sr.No.167/2B & 168/2B, Plot No.7, Wireless Colony, Aundh, Pune - 411007.
- ▶ Laboratory: Sr.No.45A/1-4A/4. "PARSHURAM", Eliphiston Road. Bopodi. Pune - 411003.
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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	11/05/2021				
Date Of Sampling	Vendor on 04/05/2021 & 05/05/2021				
Date Of Analysis	04/05/2021 & 05/05/2021				
Monitoring For	Ambient Noise Monitoring				
Sampling Location	RMC Plant				
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)	43.4	55
07:00 A.M.	dB(A)	44.3	55
08:00 A.M.	dB(A)	46.2	55
09:00 A.M.	dB(A)	47.4	55
10:00 A.M.	dB(A)	48.8	55
11:00 A.M.	dB(A)	50.9	55
12:00 P.M.	dB(A)	52.7	55
13:00 P.M.	dB(A)	51.6	55



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TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	54.6	55
15:00 P.M.	dB(A)	53.9	55
16:00 P.M.	dB(A)	54.9	55
17:00 P.M.	dB(A)	53.2	55
18:00 P.M.	dB(A)	52.1	55
19:00 P.M.	dB(A)	51.5	55
20:00 P.M.	dB(A)	50.4	55
21:00 P.M.	dB(A)	49.2	55
22:00 P.M.	dB(A)	43.7	45
23:00 P.M.	dB(A)	41.5	45
00:00 A.M.	dB(A)	42.1	45
01:00 A.M.	dB(A)	43.8	45
02:00 A.M.	dB(A)	41.6	45
03:00 A.M.	dB(A)	40.2	45
04:00 A.M.	dB(A)	41.7	45
05:00 A.M.	dB(A)	40.9	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**

2M/D21

Govt. Analyst



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AMBIENT NOISE MONITORING ANALYSIS REPORT				
		TEST REPORT		
Sample/Report No) <u>.</u>	GE/LAB/ANM/JSHPL3		
Name Of Custome	r	M/s. Joyville Shapoorji Housing P	vt. Ltd.	
"Joyville Hinjewadi,Plot – 2 (Group Housing Project)", Address Of Customer S.No.98/1(P) 98/2, 99/1, 99/2(P), 99/3(P), 99/4(P),101 & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.		99/3(P), 99/4(P),101/2(P)		
Report Dated		11/05/2021		
Date Of Sampling		Vendor on 04/05/2021 & 05/05/20	21	
Date Of Analysis		04/05/2021 & 05/05/2021		
Monitoring For		Ambient Noise Monitoring		
Sampling Location		Near Building B		
Limits* Maharashtra Pollution Control Board has presc as an upper limit of Noise Level during day time 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)	42.4	55	
07:00 A.M.	dB(A)	41.5	55	
08:00 A.M.	dB(A)	43.3	55	
09:00 A.M.	dB(A)	45.6	55	
10:00 A.M.	dB(A)	46.7	55	
11:00 A.M.	dB(A)	47.9	55	
12:00 P.M.	dB(A)	49.8	55	
13:00 P.M.	dB(A)	50.6	55	



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TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	53.3	55
15:00 P.M.	dB(A)	52.6	55
16:00 P.M.	dB(A)	54.2	55
17:00 P.M.	dB(A)	53.1	55
18:00 P.M.	dB(A)	54.5	55
19:00 P.M.	dB(A)	52.8	55
20:00 P.M.	dB(A)	51.9	55
21:00 P.M.	dB(A)	50.0	55
22:00 P.M.	dB(A)	42.7	45
23:00 P.M.	dB(A)	44.3	45
00:00 A.M.	dB(A)	41.1	45
01:00 A.M.	dB(A)	43.6	45
02:00 A.M.	dB(A)	42.5	45
03:00 A.M.	dB(A)	41.3	45
04:00 A.M.	dB(A)	43.4	45
05:00 A.M.	dB(A)	41.9	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**

2W/D21.

Govt. Analyst



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- ▶ Laboratory: Sr.No.45A/1-4A/4. "PARSHURAM", Eliphiston Road, Bopodi, Pune - 411003.
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AMBIENT NOISE MONITORING ANALYSIS REPORT			
TEST REPORT			
Sample/Report No. GE/LAB/ANM/JSHPL4			
M/s. Joyville Shapoorji Housing Pvt. Ltd.			
"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.			
11/05/2021			
Vendor on 04/05/2021 & 05/05/2021			
04/05/2021 & 05/05/2021			
Ambient Noise Monitoring			
Near Building C			
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			
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			

KESULIS OF ANALYSIS

UNIT	READINGS	MPCB LIMITS
dB(A)	40.2	55
dB(A)	42.6	55
dB(A)	41.8	55
dB(A)	44.7	55
dB(A)	46.3	55
dB(A)	48.4	55
dB(A)	49.2	55
dB(A)	50.1	55
	dB(A) dB(A) dB(A) dB(A) dB(A) dB(A) dB(A)	dB(A) 40.2 dB(A) 42.6 dB(A) 41.8 dB(A) 44.7 dB(A) 46.3 dB(A) 48.4 dB(A) 49.2



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TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	51.5	55
15:00 P.M.	dB(A)	50.6	55
16:00 P.M.	dB(A)	52.8	55
17:00 P.M.	dB(A)	54.9	55
18:00 P.M.	dB(A)	53.7	55
19:00 P.M.	dB(A)	51.9	55
20:00 P.M.	dB(A)	52.1	55
21:00 P.M.	dB(A)	50.3	55
22:00 P.M.	dB(A)	42.2	45
23:00 P.M.	dB(A)	43.5	45
00:00 A.M.	dB(A)	44.6	45
01:00 A.M.	dB(A)	42.8	45
02:00 A.M.	dB(A)	43.5	45
03:00 A.M.	dB(A)	41.7	45
04:00 A.M.	dB(A)	40.6	45
05:00 A.M.	dB(A)	42.9	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**

2M/p21

Govt. Analyst



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AMBIENT NOISE MONITORING ANALYSIS REPORT				
		TEST REPORT		
Sample/Report No	Sample/Report No. GE/LAB/ANM/JSHPL5			
Name Of Custome	r	M/s. Joyville Shapoorji Housing P	vt. Ltd.	
Address Of Custom	"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, & 101/3 At Vill - Maan, Tal - Mulshi, Pune - 411057.		99/3(P), 99/4(P),101/2(P)	
Report Dated		11/05/2021		
Date Of Sampling		Vendor on 04/05/2021 & 05/05/20	21	
Date Of Analysis		04/05/2021 & 05/05/2021		
Monitoring For		Ambient Noise Monitoring		
Sampling Location		Labour Colony		
Limits*	Maharashtra Pollution Control Board has prescribed 55 as an upper limit of Noise Level during day time & 45 dE 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		
	<u> </u>	RESULTS OF ANALYSIS		
TIME	UNIT	READINGS	MPCB LIMITS	
06:00 A.M.	dB(A)	43.8	55	
07:00 A.M.	dB(A)	44.9	55	
08:00 A.M.	dB(A)	46.2	55	
09:00 A.M.	dB(A)	42.1	55	
10:00 A.M.	dB(A)	41.4 55		
11:00 A.M.	dB(A)	40.3 55		
12:00 P.M.	dB(A)	43.5 55		
13:00 P.M.	dB(A)	42.6	55	



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TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	52.9	55
15:00 P.M.	dB(A)	51.8	55
16:00 P.M.	dB(A)	50.6	55
17:00 P.M.	dB(A)	51.0	55
18:00 P.M.	dB(A)	52.5	55
19:00 P.M.	dB(A)	51.6	55
20:00 P.M.	dB(A)	49.1	55
21:00 P.M.	dB(A)	50.3	55
22:00 P.M.	dB(A)	44.2	45
23:00 P.M.	dB(A)	43.4	45
00:00 A.M.	dB(A)	42.4	45
01:00 A.M.	dB(A)	41.7	45
02:00 A.M.	dB(A)	41.9	45
03:00 A.M.	dB(A)	40.8	45
04:00 A.M.	dB(A)	40.5	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**

2M/p21





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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 11/05/2021				
LAB REFERENCE NO	GE/LAB/A/JSHPL01			
DATE OF SAMPLING 04/05/2021				
DATE OF ANALYSIS 05/05/2021				
	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	57		
Average Velocity	M/Sec	6.03		
Fuel Consumption		HSD		
Fuel Consumption	Lit/Hr	15		
Gas Volume	NM³/Hr	647.37		
Diameter	(M)	0.17		
Cross Sectional Area	(M^2)	0.0303		
Total Particulate Matter	Mg/NM ³	63.92	150	IS11255 (part 1)1985,2014
Sulphur Dioxide	Kg/Day	6.15	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						
		Ti	EST REPO	RT			
Sample/Rep			DGNM/JSHPL				
Name Of Cu	stomer	M/s. Joy	ville Shapooi	rji Housing P	vt. Ltd.		
Address Of C	Customer	S.No.98/	1(P) 98/2, 99/	1, 99/2(P), 99/	Housing Project /3(P), 99/4(P), Pune - 411057	101/2(P)	
Report Dated	I	11/05/202	21				
Date Of Sam			n 04/05/2021				
Date Of Anal	2	04/05/202					
Monitoring Fo			Monitoring				
Sampling Loc	cation		320 KVA				
Limits*		 Maharashtra Pollution Control Board has prescribed in conser 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. Maharashtra Pollution Control Board has prescribed 75 dB(A) as an upper limit of Noise Level during day time & 70 dB(A) durin Night time 				should be or meeting the e. bed 75 dB(A)	
Time Of Sam	pling	,			N.M. to 10:00 P P.M. to 06:00		
		RESULTS	OF ANALYS	SIS			
			READ	INGS	Insertion	Loss <u>></u> 25 Db	
Description	Test Location	Unit	11:45 Hrs. Day Time	22:00 Hrs. Night Time	11:45 Hrs. Day Time	22:00 Hrs. Night Time	
DG Set (320 KVA)	DG Set #320KVA Inside Acoustic Enclosure	dB(A)	97.6	93.1	<u>-</u>		
	DG Set #320KVA Outside Acoustic Enclosure from 0.5 meter away	dB(A)	72.0	67.1	25.6	26.0	

For **GREEN ENVIRO**

SMJoshi

Govt. Analyst



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

- Laboratory: Sr.No.45A/1-4A/4. "PARSHURAM", Eliphiston Road, Bopodi, Pune - 411003.
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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:- 11/05/2021			
Lab Reference No: GE/LAB/W/JSHPL01	Date Of Sampling: - 04/05/2021			
Date Of Analysis: - 05/05/2021	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
РΗ	Value	7.02	6.5 - 8.5	IS 3025 (Part II) 1983, Reaff: 2017
Total Dissolved Solids	mg/lit	62.30	500	IS 3025 (Part XVI) 1984, Reaff: 2017
Total Suspended Solids	mg/lit	04.95	Not Specified	IS 3025 (Part XVII) 1984, Reaff- 2017
Colour		Colorless	Colorless	IS 3025 (Part IV) 1983
Odour		Odorless	Odorless	APHA 23 rd Edition(Part 2150B)
Turbidity	NTU	< 0.10	< 5	IS 3025 (Part X) 1984, Reaff: 2017
Total Hardness	mg/lit	17.91	200	IS 3025 (Part XXI) 2009, Reaff: 2019
Calcium Hardness	mg/lit	09.63	Not Specified	IS 3025 (Part 40) 1991, Reaff: 2019
Magnesium Hardness	mg/lit	08.28	Not Specified	IS 3025 (Part 46) 1994, Reaff: 2019
Chloride	mg/lit	05.13	250	IS 3025 (Part 32) 1998, Reaff: 2019



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DRINKING	DRINKING WATER QUALITY MONITORING ANALYSIS REPORT					
Parameter	Unit	Result	Standard: (IS10500:2012)	Method Of Analysis		
Sulphate	mg/lit	04.28	200	IS 3025 (Part 24) 1986, Reaff: 2019		
Total alkalinity	mg/lit	44.57	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 rd Edition,(Part 4500-NO ₃ -B)		
Cyanide	mg/lit	Absent	0.05	APHA 23 rd Edition, (Part 4500-CN ⁻ C)		
Residual free chlorine	mg/lit	Absent	0.2	APHA 23 rd 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 rd Edition, (Part 3500Hg)		
Cadmium	mg/lit	Absent	Max 0.003	APHA 23 rd 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 rd Edition, (Part 6431 B)		
Total chromium	mg/lit	Absent	Max 0.05	APHA 23 rd Edition, (Part 3111B)		
Total arsenic	mg/lit	Absent	Max 0.01	APHA 23 rd Edition, (Part 3500-As B)		
Aluminium	mg/lit	Absent	Max 0.03	APHA 23 rd Edition, (Part 3111 D)		
Ammonia(as total ammonia- N)	mg/lit	Absent	Not Specified	APHA 23 rd Edition,(Part 4500-NH 3C)		
Boron	mg/lit	Absent	Max 0.5	APHA 23 rd Edition, (Part 4500-B C)		
Silver	mg/lit	Absent	0.1	APHA 16 th Edition, (Part 324B)		
Sulphide	mg/lit	Absent	0.05	APHA 23 rd Edition, (part 4500-D)		



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DRINKII	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 rd Edition, (Part 5540 C)		
Chloramines	mg/lit	Nil	Max 4.0	APHA 23 rd Edition, (Part 4500-Cl G)		
Selenium	mg/lit	Nil	Max 0.01	APHA 23 rd Edition,(Part 3500-Se C)		
DDT	μg/lit	Nil	1.0	APHA 23rd Edition, (Part 6630C)		
2,4 D	μg/lit	Nil	3.0	APHA 23rd Edition, (Part 6630C)		
Gamma-HCH (Lindane)	μg/lit	Nil	2.0	APHA 23rd Edition, (Part 6630C)		
Endosulfan	μg/lit	Nil	0.4	APHA 23rd Edition, (Part 6630C)		
Atrazine	μg/lit	Nil	2.0	APHA 23rd Edition, (Part 6630C)		
Reactive Silica	ppm	Nil	0.02	APHA 23 rd Edition, (Part 4500- SiO₂ D		
Sodium	mg/lit	BDL	Not Specified	APHA 23 rd Edition, (Part 3500 Na B)		
Potassium	mg/lit	BDL	Not Specified	APHA 23 rd 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 rd Edition Part 9230- B, Page 9-118		

• BDL: - Below Detection Limits

For **GREEN ENVIRO**

SMJoshi



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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:- 11/05/2021				
Lab Reference No:GE/LAB/W/JSHPL02 Date Of Sampling: - 04/05/2021					
Date Of Analysis: - 05/05/2021 Details Of Sample: Drinking Water - Labour Colony					
Sample Collected By – Green Enviro Sample Container – Sterilized Bottle					
	RESULTS OF ANALYSIS				

Parameter	Unit	Result	Standard : (IS 10500:2012)	Method Of Analysis
РΗ	Value	7.10	6.5 - 8.5	IS 3025 (Part II) 1983, Reaff: 2017
Total Dissolved Solids	mg/lit	56.42	500	IS 3025 (Part XVI) 1984, Reaff: 2017
Total Suspended Solids	mg/lit	04.17	Not Specified	IS 3025 (Part XVII) 1984, Reaff- 2017
Colour		Colorless	Colorless	IS 3025 (Part IV) 1983
Odour		Odorless	Odorless	APHA 23 rd Edition(Part 2150B)
Turbidity	NTU	< 0.08	< 5	IS 3025 (Part X) 1984, Reaff: 2017
Total Hardness	mg/lit	13.93	200	IS 3025 (Part XXI) 2009, Reaff: 2019
Calcium Hardness	mg/lit	07.51	Not Specified	IS 3025 (Part 40) 1991, Reaff: 2019
Magnesium Hardness	mg/lit	06.42	Not Specified	IS 3025 (Part 46) 1994, Reaff: 2019
Chloride	mg/lit	04.69	250	IS 3025 (Part 32) 1998, Reaff: 2019



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DRINKING WATER QUALITY MONITORING ANALYSIS REPORT					
Parameter	Unit	Result	Standard: (IS10500:2012)	Method Of Analysis	
Sulphate	mg/lit	03.60	200	IS 3025 (Part 24) 1986, Reaff: 2019	
Total alkalinity	mg/lit	40.13	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 rd Edition,(Part 4500-NO ₃ B)	
Cyanide	mg/lit	Absent	0.05	APHA 23 rd Edition, (Part 4500-CN ⁻ C)	
Residual free chlorine	mg/lit	Absent	0.2	APHA 23 rd Edition, (Part 4500-CI B)	
Copper	mg/lit	Absent	Max 0.05	IS:3025 (Part 42) 1992, Reaff: 2019	
Mercury	mg/lit	Absent	Max 0.001	APHA 23 rd Edition, (Part 3500Hg)	
Cadmium	mg/lit	Absent	Max 0.003	APHA 23 rd 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 rd Edition, (Part 6431 B)	
Total chromium	mg/lit	Absent	Max 0.05	APHA 23 rd Edition, (Part 3111B)	
Total arsenic	mg/lit	Absent	Max 0.01	APHA 23 rd Edition, (Part 3500-As B)	
Aluminium	mg/lit	Absent	Max 0.03	APHA 23 rd Edition, (Part 3111 D)	
Ammonia(as total ammonia- N)	mg/lit	Absent	Not Specified	APHA 23 rd Edition,(Part 4500-NH 3C)	
Boron	mg/lit	Absent	Max 0.5	APHA 23 rd Edition, (Part 4500-B C)	
Silver	mg/lit	Absent	0.1	APHA 16 th Edition, (Part 324B)	
Sulphide	mg/lit	Absent	0.05	APHA 23 rd Edition, (part 4500-D)	



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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 rd Edition, (Part 5540 C)	
Chloramines	mg/lit	Nil	Max 4.0	APHA 23 rd Edition, (Part 4500-Cl G)	
Selenium	mg/lit	Nil	Max 0.01	APHA 23 rd Edition,(Part 3500-Se C)	
DDT	μg/lit	Nil	1.0	APHA 23rd Edition, (Part 6630C)	
2,4 D	μg/lit	Nil	3.0	APHA 23rd Edition, (Part 6630C)	
Gamma-HCH (Lindane)	μg/lit	Nil	2.0	APHA 23rd Edition, (Part 6630C)	
Endosulfan	μg/lit	Nil	0.4	APHA 23rd Edition, (Part 6630C)	
Atrazine	μg/lit	Nil	2.0	APHA 23rd Edition, (Part 6630C)	
Reactive Silica	Ppm	Nil	0.02	APHA 23 rd Edition, (Part 4500- SiO₂ D)	
Sodium	mg/lit	BDL	Not Specified	APHA 23 rd Edition, (Part 3500 Na B)	
Potassium	mg/lit	BDL	Not Specified	APHA 23 rd 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 rd Edition Part 9230- B, Page 9-118	

• BDL: - Below Detection Limits

For **GREEN ENVIRO**

SmJoshu



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	SOIL ANALYSIS REPORT					
CLIENT'S NAME			M/s. Joyville Shapoorji Housing Pvt. Ltd.			
CLIEN	T'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/S/JSHPL1		Dated:- 11/05/2021			
Lab Re	eference No: GE/LAB/S/ J	SHPL01	Date Of Sampling: - 0	04/05/2021		
Date O	f Analysis: - 05/05/2021		Details Of Sample- S	oil Sample - Near Building B		
	e Collected By – Green E	nviro	Sample Container –	Zip Lock Plastic Bag		
	Parameter	Unit	Result	Method Of Analysis		
01	Appearance		Medium Blackish	-		
02	Texture					
Α	Clay	%	49.31	Method manual soil testing		
В	Silt	%	17.24	Method manual soil testing		
С	Sand	%	20.47	Method manual soil testing		
D	Gravel	%	12.98	Method manual soil testing		
03	рΗ	Value	6.73	IS 2720 Part -26 1987 RA2002		
04	Moisture Content	%	17.48	IS 15106 2002		
05	Conductivity	mmhos	0.2093	IS 14767 : 2000		
06	Water holding Capacity	%	21.37	IS 14765 2000		
07	Copper as Cu	mg/kg	02.44	IS 6092 Part- 5 1985		
08	Zinc as Zn	mg/kg	0.93	IS 6092 Part- 5 1985		
09	Lead as Pb	mg/kg	0.81	IS 6092 Part- 5 1985		
10	Cadmium as Cd	mg/kg	BDL	IS 6092 Part- 5 1985		
11	Iron as Fe	mg/kg	2.40	IS 6092 Part- 5 1985		
12	Manganese as Mn	mg/kg	3.03	IS 6092 Part- 5 1985		
13	Aluminium as Al	mg/kg	BDL	IS 6092 Part- 5 1985		
14	Tin as Sn	mg/kg	1.72	IS 6092 Part- 5 1985		
15	Arsenic as As	mg/kg	Nil	IS 6092 Part- 5 1985		
16	Phosphorous as P	mg/kg	02.29	IS 6092 (Part 3) 2004		
17	Total Nitrogen as N	mg/kg	7453	Method manual soil testing		
18	Potassium as K	mg/kg	101.5	IS 2799 -1980		
19	Sodium as Na	mg/kg	BDL	IS 2799 -1980		
▲BDI ·	Relow Detection Limits					

•BDL: **Below Detection Limits.**

For **GREEN ENVIRO**



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	SOIL ANALYSIS REPORT				
CLIEN	T'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 -57.		
Report	No: - GE/LAB/S/ JSHPL2		Dated:- 11/05/2021		
Lab Re	ference No: GE/LAB/S/ JSI	HPL02	Date Of Sampling: - 0	04/05/2021	
Date O	f Analysis: - 05/05/2021		Details Of Sample- S	oil Sample - Near Building C	
Sample	Collected By – Green Envi	iro	Sample Container –	Zip Lock Plastic Bag	
	Parameter	Unit	Result	Method Of Analysis	
01	Appearance		Dark Black	-	
02	Texture				
Α	Clay	%	46.65	Method manual soil testing	
В	Silt	%	22.89	Method manual soil testing	
С	Sand	%	16.96	Method manual soil testing	
D	Gravel	%	13.50	Method manual soil testing	
03	РΗ	Value	7.04	IS 2720 Part -26 1987 RA2002	
04	Moisture Content	%	14.43	IS 15106 2002	
05	Conductivity	Mmhos	0.1752	IS 14767 : 2000	
06	Water holding Capacity	%	18.27	IS 14765 2000	
07	Copper as Cu	mg/kg	02.03	IS 6092 Part- 5 1985	
80	Zinc as Zn	mg/kg	0.74	IS 6092 Part- 5 1985	
09	Lead as Pb	mg/kg	0.63	IS 6092 Part- 5 1985	
10	Cadmium as Cd	mg/kg	BDL	IS 6092 Part- 5 1985	
11	Iron as Fe	mg/kg	1.86	IS 6092 Part- 5 1985	
12	Manganese as Mn	mg/kg	2.51	IS 6092 Part- 5 1985	
13	Aluminium as Al	mg/kg	BDL	IS 6092 Part- 5 1985	
14	Tin as Sn	mg/kg	1.40	IS 6092 Part- 5 1985	
15	Arsenic as As	mg/kg	Nil	IS 6092 Part- 5 1985	
16	Phosphorous as P	mg/kg	02.05	IS 6092 (Part 3) 2004	
17	Total Nitrogen as N	mg/kg	7014	Method manual soil testing	
18	Potassium as K	mg/kg	93.67	IS 2799 -1980	
19	Sodium as Na	mg/kg	BDL	IS 2799 -1980	

•BDL: Below Detection Limits.

For **GREEN ENVIRO**

SMJoshi



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

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Environmental Consultancy & Laboratory Approved by MoEF&CC (Govt. of India)

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:- 11/05/2021			
Lab Reference No: GE/LAB/W/SPCPL03	Date Of Sampling: - 04/05/2021			
Date Of Analysis – 05/05/2021	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
ΡΗ	mg/lit	7.45	Not Specified	IS 3025 (Part II) 1983,
				Reaff: 2017
Suspended Solids	ma/lit	24.69	< 100	IS 3025(Part XVII)
	mg/lit			1984, Reaff:2017
Biochemical Oxygen Demand	mg/lit	13.40	< 100	IS:3025 (Part 44) 1993,
(27 degrees for 3 days)	_			Reaff:2019
Chemical Oxygen Demand	mg/lit	32.72	< 150	IS 3025 (Part 58)
, -	_			2006, Reaff: 2017
Total Dissolved Solids	mg/lit	597.3	< 2100	IS 3025 (Part XVI)
			< 2100	1984, Reaff: 2017
Total Oil & Grease	mg/lit	BDL	< 10	APHA 23 rd Edition,
				Part 5520 B

• BDL: - Below Detection Limits

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

For **GREEN ENVIRO**



- Laboratory: Sr.No.45A/1-4A/4. "PARSHURAM", Eliphiston Road, Bopodi, Pune - 411003.
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AMBII	AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT					
	TEST REPORT Date – 11/08/2021					
Sample/Report No.	CE/LAR/A	AAQ/JSHPL1		l	Date - 1 1/00/2021	
Name Of Customer		ille Shapoorji Ho	using Pyt I	td		
Name of Gustomer					ject)", S.No.98/1(P) 98/2,	
Address Of Customer		ninjewadi,Piot – 2(P), 99/3(P), 99/				
Addiess of Odstoffici		hi, Pune - 41105	, ,	(F) & 101/3	At VIII- Iviaaii,	
Sample Drawn By		n 04/08/2021		eceived On	05/08/2021	
Start of Analysis	05/08/202		End Of An		07/08/2021	
Monitoring For		Air Monitoring	Sampling I	-	Near Entry Gate	
Sampling Duration	24 Hrly	<u></u>	Receptor I		2.00 meter from G.L.	
Ambient Temperature		⁸ °C, Min-22.9°C	Relative H		Max- 81.2%, Min- 75.4%	
Limits			ļ.		R 826(E)16.11.2009	
Parameters	Unit	Result	Limits	Method C	Of Analysis	
General Parameters				-I	-	
Particulate matter	a/m3	71.48	100	EPA/625/	R-96/010a(Compendium	
less than 10 micron	μg/m³	/ 1. 4 0	100		D-2.1): 2017	
Particulate matter	μ g /m³	40.65	60		lethod Aerosol Science	
less than2.5 micron					И 35(4)339-342: 2017	
Sulphur Dioxide	μ g /m³	27.41	80	,	part II) 2001,Reaff: 2017	
Oxides of Nitrogen	μ g /m³	32.59	80		part VI) 2006,Reaff:2017	
Carbon Monoxide	mg/m ³	0.72	2.0	· · · · · · · · · · · · · · · · · · ·	part X) 1999,Reaff: 2014	
Lead	μ g /m³	BDL	1	\.	oart XXII) 2004,Reaff:2014	
Ozone	μ g /m³	25.73	100	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	oart IX) 1974, Reaff: 2014	
Ammonia	μ g /m³	N.D.	400		d Edition Method No. 401	
Benzene	μg/m³	BDL	5	IS 5182 (p	oart XI) 2006, Reaff- 2017	
Benzo (a) Pyrene -	ng/m³	BDL	1	IS 5182 (I	Part 12):2004,Reaff: 2014	
Particulate Phase only						
Arsenic	ng/m³	BDL	6		d Edition Method No. 822	
Nickel	ng/m³	BDL	20	APHA 2nd	d Edition Method No. 822	

•BDL: Below Detection Limits.

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







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 Wireless Colony, Aundh, Pune - 411007.

- Laboratory: Sr.No.45A/1-4A/4. "PARSHURAM", Eliphiston Road. Bopodi. Pune - 411003.
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AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT						
	TEST REPORT					
Comple/Depart No	CE/LAB/A	AO/ICHDI 2			Date - 11/08/2021	
Sample/Report No. Name Of Customer		AAQ/JSHPL2	vuoina Dut I	+d		
Name of Customer		ille Shapoorji Ho			:t\" C N - 00/4/D\ 00/0	
Address Of Customer	99/1, 99/2	ninjewadi,Plot – 2(P), 99/3(P), 99 ni,Pune -411057	/4(P),101/2(ject)", S.No.98/1(P) 98/2, At Vill- Maan,	
Sample Drawn By	Vendor or	n 04/08/2021	Sample Re	eceived On	05/08/2021	
Start of Analysis	05/08/202	21	End Of An	alysis	07/08/2021	
Monitoring For	Ambient A	Air Monitoring	Sampling I	Location	RMC Plant	
Sampling Duration	24 Hrly		Receptor I	Height	2.00 meter from G.L.	
Ambient Temperature	Max- 29.3	³ °C, Min-22.4°C	Relative H	umidity	Max- 81.7%, Min- 75.9%	
Limits	National A	Ambient Air Qua	lity Standar	ds Vide GS	R 826(E)16.11.2009	
Parameters	Unit	Result	Limits	Method C	Of Analysis	
General Parameters				4		
Particulate matter less than 10 micron	μ g /m³	84.50	100		R-96/010a(Compendium D-2.1): 2017	
Particulate matter less than 2.5 micron	μ g /m³	51.11	60		1ethod Aerosol Science // 35(4)339-342: 2017	
Sulphur Dioxide	μ g /m³	38.56	80	IS 5182 (part II) 2001,Reaff: 2017	
Oxides of Nitrogen	μg/m³	42.28	80	IS 5182 (part VI) 2006,Reaff:2017	
Carbon Monoxide	mg/m ³	0.95	2.0	IS 5182 (part X) 1999,Reaff: 2014	
Lead	μ g /m³	BDL	1	IS 5182 (p	oart XXII) 2004,Reaff:2014	
Ozone	μ g /m³	39.14	100	IS 5182 (p	oart IX) 1974, Reaff: 2014	
Ammonia	μg/m³	BDL	400	APHA 2nd	d Edition Method No. 401	
Benzene	μ g /m³	BDL	5	IS 5182 (p	oart XI) 2006, Reaff- 2017	
Benzo (a) Pyrene - Particulate Phase only	ng/m³	BDL	1	IS 5182 (I	Part 12):2004,Reaff: 2014	
Arsenic	ng/m³	BDL	6	APHA 2nd	d Edition Method No. 822	
Nickel	ng/m³	BDL	20	APHA 2nd	d Edition Method No. 822	

•BDL: Below Detection Limits.

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

For **GREEN ENVIRO**

SMJoshi





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- Laboratory: Sr.No.45A/1-4A/4. "PARSHURAM", Eliphiston Road, Bopodi, Pune - 411003.
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AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT						
	TEST REPORT Date – 11/08/2021					
Sample/Report No.	GE/LAB/A	AQ/JSHPL3		<u> </u>	2410 11/00/2021	
Name Of Customer		ille Shapoorji Ho	using Pvt. I	_td.		
Address Of Customer	"Joyville H 99/1, 99/2		2 (Group H /4(P),101/2(lousing Pro	ject)", S.No.98/1(P) 98/2, At Vill- Maan,	
Sample Drawn By	Vendor or	n 04/08/2021	Sample Re	eceived On	05/08/2021	
Start of Analysis	05/08/202	21	End Of An	alysis	07/08/2021	
Monitoring For	Ambient A	Air Monitoring	Sampling I	Location	Near Building B	
Sampling Duration	24 Hrly		Receptor I	Height	2.00 meter from G.L.	
Ambient Temperature	Max- 29.7	⁰ C, Min-22.8 ⁰ C	Relative H	umidity	Max- 81.4%, Min- 75.6%	
Limits	National A	Ambient Air Qua	lity Standar	ds Vide GS	R 826(E)16.11.2009	
Parameters	Unit	Result	Limits	Method C	Of Analysis	
General Parameters						
Particulate matter less than 10 micron	μ g /m³	75.19	100		R-96/010a(Compendium D-2.1): 2017	
Particulate matter less than 2.5 micron	μ g /m³	44.31	60		lethod Aerosol Science // 35(4)339-342: 2017	
Sulphur Dioxide	μg/m³	32.02	80	IS 5182 (part II) 2001,Reaff: 2017	
Oxides of Nitrogen	μ g /m³	36.75	80	IS 5182 (part VI) 2006,Reaff:2017	
Carbon Monoxide	mg/m ³	0.80	2.0	IS 5182 (part X) 1999,Reaff: 2014	
Lead	μ g /m³	BDL	1	IS 5182 (p	oart XXII) 2004,Reaff:2014	
Ozone	μ g /m³	29.53	100	IS 5182 (p	oart IX) 1974, Reaff: 2014	
Ammonia	μ g /m³	BDL	400	APHA 2nd	d Edition Method No. 401	
Benzene	μg/m³	BDL	5	IS 5182 (p	oart XI) 2006, Reaff- 2017	
Benzo (a) Pyrene - Particulate Phase only	ng/m³	BDL	1	IS 5182 (F	Part 12):2004,Reaff: 2014	
Arsenic	ng/m³	BDL	6	APHA 2nd	d Edition Method No. 822	
Nickel	ng/m³	BDL	20	APHA 2nd	d Edition Method No. 822	

•BDL: Below Detection Limits.

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





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AMBII	AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT						
	TEST REPORT						
0 1/5 (1)	05/1.45/4	Date - 11/08/2021					
Sample/Report No.		AAQ/JSHPL4					
Name Of Customer		ille Shapoorji Ho					
Address Of Customer	99/1, 99/2	Hinjewadi,Plot – 2(P), 99/3(P), 99 shi, Pune - 4110	/4(P),101/2(ject)", S.No.98/1(P) 98/2, At Vill- Maan,		
Sample Drawn By	Vendor or	n 04/08/2021	Sample Re	eceived On	05/08/2021		
Start of Analysis	05/08/202	21	End Of An	alysis	07/08/2021		
Monitoring For	Ambient A	Air Monitoring	Sampling I	Location	Near Building C		
Sampling Duration	24 Hrly		Receptor I	Height	2.00 meter from G.L.		
Ambient Temperature	Max- 29.1	⁰ C, Min-22.2 ⁰ C	Relative H	umidity	Max- 81.9%, Min- 76.2%		
Limits	National A	Ambient Air Qua	lity Standard	ds Vide GS	R 826(E)16.11.2009		
Parameters	Unit	Result	Limits	Method C	Of Analysis		
General Parameters				4			
Particulate matter less than 10 micron	μ g /m³	78.25	100		R-96/010a(Compendium D-2.1): 2017		
Particulate matter less than 2.5 micron	μ g /m³	47.16	60		1ethod Aerosol Science // 35(4)339-342: 2017		
Sulphur Dioxide	μ g /m³	35.42	80	IS 5182 (part II) 2001,Reaff: 2017		
Oxides of Nitrogen	μg/m ³	39.19	80	IS 5182 (part VI) 2006,Reaff:2017		
Carbon Monoxide	mg/m ³	0.86	2.0	IS 5182 (part X) 1999,Reaff: 2014		
Lead	μ g /m³	BDL	1	IS 5182 (p	oart XXII) 2004,Reaff:2014		
Ozone	μ g /m³	33.20	100	IS 5182 (p	oart IX) 1974, Reaff: 2014		
Ammonia	μ g /m³	BDL	400	APHA 2nd	d Edition Method No. 401		
Benzene	μ g /m³	BDL	5	IS 5182 (p	oart XI) 2006, Reaff- 2017		
Benzo (a) Pyrene - Particulate Phase only	ng/m³	BDL	1	IS 5182 (I	Part 12):2004,Reaff: 2014		
Arsenic	ng/m³	BDL	6	APHA 2nd	d Edition Method No. 822		
Nickel	ng/m³	BDL	20	APHA 2nd	d Edition Method No. 822		

•BDL: Below Detection Limits.

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

For **GREEN ENVIRO**

SMJoshi



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AMBII	AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT					
	TEST REPORT					
	Date - 11/08/2021					
Sample/Report No.		AAQ/JSHPL5				
Name Of Customer	,	ille Shapoorji Ho				
Address Of Customer	99/1, 99/2	Hinjewadi,Plot – 2(P), 99/3(P), 99 shi, Pune - 4110	/4(P),101/2(ject)", S.No.98/1(P) 98/2, At Vill- Maan,	
Sample Drawn By	Vendor or	n 04/08/2021	Sample Re	eceived On	05/08/2021	
Start of Analysis	05/08/202	21	End Of An	alysis	07/08/2021	
Monitoring For	Ambient A	Air Monitoring	Sampling I	Location	Labour Colony	
Sampling Duration	24 Hrly		Receptor I	Height	2.00 meter from G.L.	
Ambient Temperature	Max- 29.5	⁰ C, Min-22.6 ⁰ C	Relative H	umidity	Max- 81.5%, Min- 75.8%	
Limits	National A	Ambient Air Qua	lity Standard	ds Vide GS	R 826(E)16.11.2009	
Parameters	Unit	Result	Limits	Method 0	Of Analysis	
General Parameters				1		
Particulate matter less than 10 micron	μ g /m³	59.28	100		R-96/010a(Compendium D-2.1): 2017	
Particulate matter less than 2.5 micron	μ g /m³	32.73	60		Method Aerosol Science M 35(4)339-342: 2017	
Sulphur Dioxide	μg/m³	22.54	80		part II) 2001,Reaff: 2017	
Oxides of Nitrogen	μg/m ³	27.16	80	IS 5182 (part VI) 2006,Reaff:2017	
Carbon Monoxide	mg/m ³	0.46	2.0	IS 5182 (part X) 1999,Reaff: 2014	
Lead	μg/m³	BDL	1	IS 5182 (part XXII) 2004,Reaff:2014	
Ozone	μ g /m ³	19.26	100	IS 5182 (part IX) 1974, Reaff: 2014	
Ammonia	μg/m ³	BDL	400	APHA 2n	d Edition Method No. 401	
Benzene	μg/m ³	BDL	5	IS 5182 (part XI) 2006, Reaff- 2017	
Benzo (a) Pyrene - Particulate Phase only	ng/m ³	BDL	1	IS 5182 (Part 12):2004,Reaff: 2014	
Arsenic	ng/m³	BDL	6	APHA 2n	d Edition Method No. 822	
Nickel	ng/m³	BDL	20	APHA 2n	d Edition Method No. 822	

•BDL: Below Detection Limits.

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

For **GREEN ENVIRO**

SMJoshi





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	AMBIENT NOISE MONITORING ANALYSIS REPORT					
		TEST REPORT				
Sample/Report No	Sample/Report No. GE/LAB/ANM/JSHPL1					
Name Of Custome	er	M/s. Joyville Shapoorji Housing P	vt. Ltd.			
Address Of Custom	ner	"Joyville Hinjewadi,Plot – 2 (Grou S.No.98/1(P) 98/2, 99/1, 99/2(P), & 101/3 At Vill - Maan, Tal - Mulsh	99/3(P), 99/4(P),101/2(P)			
Report Dated		11/08/2021				
Date Of Sampling		Vendor on 04/08/2021 & 05/08/20	21			
Date Of Analysis		04/08/2021 & 05/08/2021				
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)	43.4	55			
07:00 A.M.	dB(A)	44.6	55			
08:00 A.M.	dB(A)	45.1	55			
09:00 A.M. dB(A)		47.9	55			
10:00 A.M. dB(A)		48.4	55			
11:00 A.M. dB(A)		50.5	55			
12:00 P.M.	dB(A)	49.3	55			
13:00 P.M.	dB(A)	51.2	55			



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TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	51.8	55
15:00 P.M.	dB(A)	53.6	55
16:00 P.M.	dB(A)	52.4	55
17:00 P.M.	dB(A)	53.3	55
18:00 P.M.	dB(A)	52.1	55
19:00 P.M.	dB(A)	53.9	55
20:00 P.M.	dB(A)	53.7	55
21:00 P.M.	dB(A)	43.8	45
22:00 P.M.	dB(A)	42.9	45
23:00 P.M.	dB(A)	44.3	45
00:00 A.M.	dB(A)	41.2	45
01:00 A.M.	dB(A)	43.6	45
02:00 A.M.	dB(A)	40.5	45
03:00 A.M.	dB(A)	40.1	45
04:00 A.M.	dB(A)	41.7	45
05:00 A.M.	dB(A)	42.3	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**

SMJOSHI

Govt. Analyst



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AMBIEI	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	11/08/2021			
Date Of Sampling	Vendor on 04/08/2021 & 05/08/2021			
Date Of Analysis	04/08/2021 & 05/08/2021			
Monitoring For	Ambient Noise Monitoring			
Sampling Location	RMC Plant			
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	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)	42.1	55
07:00 A.M.	dB(A)	43.2	55
08:00 A.M.	dB(A)	44.8	55
09:00 A.M.	dB(A)	49.4	55
10:00 A.M.	dB(A)	50.7	55
11:00 A.M.	dB(A)	52.8	55
12:00 P.M.	dB(A)	51.5	55
13:00 P.M.	dB(A)	53.4	55



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TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	52.7	55
15:00 P.M.	dB(A)	54.8	55
16:00 P.M.	dB(A)	53.6	55
17:00 P.M.	dB(A)	51.9	55
18:00 P.M.	dB(A)	53.2	55
19:00 P.M.	dB(A)	52.1	55
20:00 P.M.	dB(A)	54.3	55
21:00 P.M.	dB(A)	50.4	55
22:00 P.M.	dB(A)	44.9	45
23:00 P.M.	dB(A)	43.6	45
00:00 A.M.	dB(A)	41.8	45
01:00 A.M.	dB(A)	42.7	45
02:00 A.M.	dB(A)	43.6	45
03:00 A.M.	dB(A)	41.4	45
04:00 A.M.	dB(A)	40.3	45
05:00 A.M.	dB(A)	42.5	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**

SMJOSHI

Govt. Analyst



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AMBIENT NOISE MONITORING ANALYSIS REPORT			
		TEST REPORT	
Sample/Report No	Sample/Report No. GE/LAB/ANM/JSHPL3		
Name Of Custome	r	M/s. Joyville Shapoorji Housing P	vt. Ltd.
Address Of Custom	er	"Joyville Hinjewadi,Plot – 2 (Grou S.No.98/1(P) 98/2, 99/1, 99/2(P), & 101/3 At Vill - Maan, Tal - Mulsh	99/3(P), 99/4(P),101/2(P)
Report Dated		11/08/2021	
Date Of Sampling		Vendor on 04/08/2021 & 05/08/20	21
Date Of Analysis		04/08/2021 & 05/08/2021	
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)	41.1	55
07:00 A.M.	dB(A)	42.4	55
08:00 A.M.	dB(A)	44.5	55
09:00 A.M.	dB(A)	43.9	55
10:00 A.M.	dB(A)	48.8	55
11:00 A.M.	11:00 A.M. dB(A) 49.6		55
12:00 P.M.	dB(A)	51.3	55
13:00 P.M.	dB(A)	53.2	55



- Regd.Office: Sr.No.167/2B & 168/2B, Plot No.7, Wireless Colony, Aundh, Pune - 411007.
- Laboratory: Sr.No.45A/1-4A/4. "PARSHURAM", Eliphiston Road. Bopodi. Pune - 411003.
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TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	51.1	55
15:00 P.M.	dB(A)	53.6	55
16:00 P.M.	dB(A)	52.3	55
17:00 P.M.	dB(A)	54.5	55
18:00 P.M.	dB(A)	53.9	55
19:00 P.M.	dB(A)	51.8	55
20:00 P.M.	dB(A)	50.7	55
21:00 P.M.	dB(A)	52.5	55
22:00 P.M.	dB(A)	44.1	45
23:00 P.M.	dB(A)	43.2	45
00:00 A.M.	dB(A)	42.9	45
01:00 A.M.	dB(A)	40.6	45
02:00 A.M.	dB(A)	41.9	45
03:00 A.M.	dB(A)	42.2	45
04:00 A.M.	dB(A)	40.5	45
05:00 A.M.	dB(A)	42.6	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**

SMJOSHI

Govt. Analyst



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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	11/08/2021		
Date Of Sampling	Vendor on 04/08/2021 & 05/08/2021		
Date Of Analysis	04/08/2021 & 05/08/2021		
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			

UNIT	READINGS	MPCB LIMITS
dB(A)	42.1	55
dB(A)	44.7	55
dB(A)	43.5	55
dB(A)	41.4	55
dB(A)	48.9	55
dB(A)	47.8	55
dB(A)	50.6	55
dB(A)	49.3	55
	dB(A) dB(A) dB(A) dB(A) dB(A) dB(A) dB(A)	dB(A) 42.1 dB(A) 44.7 dB(A) 43.5 dB(A) 41.4 dB(A) 48.9 dB(A) 47.8 dB(A) 50.6



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TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	53.9	55
15:00 P.M.	dB(A)	51.7	55
16:00 P.M.	dB(A)	54.6	55
17:00 P.M.	dB(A)	52.4	55
18:00 P.M.	dB(A)	54.1	55
19:00 P.M.	dB(A)	53.3	55
20:00 P.M.	dB(A)	51.5	55
21:00 P.M.	dB(A)	52.8	55
22:00 P.M.	dB(A)	44.1	45
23:00 P.M.	dB(A)	42.8	45
00:00 A.M.	dB(A)	41.9	45
01:00 A.M.	dB(A)	43.7	45
02:00 A.M.	dB(A)	44.6	45
03:00 A.M.	dB(A)	42.4	45
04:00 A.M.	dB(A)	41.1	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**

SMJOSHI

Govt. Analyst



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AMBIENT NOISE MONITORING ANALYSIS REPORT			
		TEST REPORT	
Sample/Report No	Sample/Report No. GE/LAB/ANM/JSHPL5		
Name Of Custome	er	M/s. Joyville Shapoorji Housing P	vt. Ltd.
Address Of Custom	ner	"Joyville Hinjewadi,Plot – 2 (Grou S.No.98/1(P) 98/2, 99/1, 99/2(P), & 101/3 At Vill - Maan, Tal - Mulsh	99/3(P), 99/4(P),101/2(P)
Report Dated		11/08/2021	
Date Of Sampling		Vendor on 04/08/2021 & 05/08/20	21
Date Of Analysis		04/08/2021 & 05/08/2021	
Monitoring For		Ambient Noise Monitoring	
Sampling Location		Labour Colony	
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)	44.2	55
07:00 A.M.	dB(A)	42.7	55
08:00 A.M.	dB(A)	41.3	55
09:00 A.M.	dB(A)	43.4	55
10:00 A.M.	dB(A)	45.6	55
11:00 A.M.	dB(A)	47.1 55	
12:00 P.M.	dB(A)	49.7	55
13:00 P.M.	dB(A)	48.2	55



- Regd.Office: Sr.No.167/2B & 168/2B, Plot No.7, Wireless Colony, Aundh, Pune - 411007.
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TIME	UNIT	READINGS	MPCB LIMITS
14:00 P.M.	dB(A)	54.7	55
15:00 P.M.	dB(A)	53.6	55
16:00 P.M.	dB(A)	52.1	55
17:00 P.M.	dB(A)	54.2	55
18:00 P.M.	dB(A)	51.3	55
19:00 P.M.	dB(A)	50.4	55
20:00 P.M.	dB(A)	47.4	55
21:00 P.M.	dB(A)	48.6	55
22:00 P.M.	dB(A)	42.0	45
23:00 P.M.	dB(A)	41.9	45
00:00 A.M.	dB(A)	43.6	45
01:00 A.M.	dB(A)	42.8	45
02:00 A.M.	dB(A)	40.5	45
03:00 A.M.	dB(A)	41.6	45
04:00 A.M.	dB(A)	42.1	45
05:00 A.M.	dB(A)	40.4	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**

SMJOSHI

Govt. Analyst



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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	11/08/2021			
LAB REFERENCE NO	GE/LAB/A/JSHPL01			
DATE OF SAMPLING	04/08/2021			
DATE OF ANALYSIS	05/08/2021			

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	54		
Average Velocity	M/Sec	5.72		
Fuel Consumption		HSD		
Fuel Consumption	Lit/Hr	15		
Gas Volume	NM³/Hr	602.48		
Diameter	(M)	0.17		
Cross Sectional Area	(M^2)	0.0303		
Total Particulate Matter	Mg/NM ³	59.24	150	IS11255 (part 1)1985,2014
Sulphur Dioxide	Kg/Day	5.45	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/Rep	ort No.	GE/LAB/I	DGNM/JSHPI	_1			
Name Of Cu		M/s. Joy	ville Shapooi	rji Housing P	vt. Ltd.		
Address Of C	Customer	S.No.98/	1(P) 98/2, 99/	1, 99/2(P), 99/	Housing Projec /3(P), 99/4(P), Pune - 411057	101/2(P)	
Report Dated		11/08/202	21				
Date Of Sam	pling	Vendor o	n 04/08/2021				
Date Of Anal	ysis	04/08/202	21				
Monitoring Fo	or	DG Noise	Monitoring				
Sampling Loc	cation	DG Set -	320 KVA				
Limits*		 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. 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 				should be or meeting the e. bed 75 dB(A) 70 dB(A) during	
Time Of Sam	pling	,			A.M. to 10:00 P P.M. to 06:00		
	I	RESULTS	OF ANALYS	SIS			
			READ	INGS	Insertion	Loss <u>></u> 25 Db	
Description	Test Location	Unit	15:45 Hrs. Day Time	22:10 Hrs. Night Time	15:45 Hrs. Day Time	22:10 Hrs. Night Time	
DG Set (320 KVA)	DG Set #320KVA Inside Acoustic Enclosure						
	DG Set #320KVA Outside Acoustic Enclosure from 0.5 meter away	dB(A)	71.8	66.8	25.4	25.7	

For **GREEN ENVIRO**



Govt. Analyst



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

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DRINKING WATER QUALITY MONITORING ANALYSIS REPORT							
CLIENT'S NAME		M/s. Joyville Shapoorji Housing Pvt. Ltd.					
CLIENT'S ADDRESS		S.No.98/1(P) 98	"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/J	SHPL01	Dated:- 11/08/2		,			
Lab Reference No: GE/LA	B/W/JSHPL01	Date Of Sampl	ing: - 04/08/2021				
Date Of Analysis: - 05/08/	2021	Details Of Sam	ple : Drinking Wat	er Sample – Site Area			
Sample Collected By – Gr	een Enviro	Sample Contai	ner – Sterilized Bo	ttle			
		RESULTS OF A	NALYSIS				
Parameter	Unit	Result	Standard : (IS 10500:2012)	Method Of Analysis			
РΗ	Value	7.30	6.5 - 8.5	IS 3025 (Part II) 1983, Reaff: 2017			
Total Dissolved Solids	mg/lit	71.38	500	IS 3025 (Part XVI) 1984, Reaff: 2017			
Total Suspended Solids	mg/lit	06.35	Not Specified	IS 3025 (Part XVII) 1984, Reaff- 2017			
Colour		Colorless	Colorless	IS 3025 (Part IV) 1983			
Odour		Odorless	Odorless	APHA 23 rd Edition(Part 2150B)			
Turbidity	NTU	< 0.17	< 5	IS 3025 (Part X) 1984, Reaff: 2017			
Total Hardness	mg/lit	28.96	200	IS 3025 (Part XXI) 2009, Reaff: 2019			
Calcium Hardness	mg/lit	15.32	Not Specified	IS 3025 (Part 40) 1991, Reaff: 2019			
Magnesium Hardness	mg/lit	13.64	Not Specified	IS 3025 (Part 46) 1994, Reaff: 2019			
Chloride	mg/lit	10.53	250	IS 3025 (Part 32) 1998, Reaff: 2019			



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DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

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Parameter	Unit	Result	Standard: (IS10500:2012)	Method Of Analysis
Sulphate	mg/lit	08.52	200	IS 3025 (Part 24) 1986, Reaff: 2019
Total alkalinity	mg/lit	60.47	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 rd Edition,(Part 4500-NO ₃ -B)
Cyanide	mg/lit	Absent	0.05	APHA 23 rd Edition, (Part 4500-CN-C)
Residual free chlorine	mg/lit	Absent	0.2	APHA 23 rd 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 rd Edition, (Part 3500Hg)
Cadmium	mg/lit	Absent	Max 0.003	APHA 23 rd 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 rd Edition, (Part 6431 B)
Total chromium	mg/lit	Absent	Max 0.05	APHA 23 rd Edition, (Part 3111B)
Total arsenic	mg/lit	Absent	Max 0.01	APHA 23 rd Edition, (Part 3500-As B)
Aluminium	mg/lit	Absent	Max 0.03	APHA 23 rd Edition, (Part 3111 D)
Ammonia(as total ammonia- N)	mg/lit	Absent	Not Specified	APHA 23 rd Edition,(Part 4500-NH 3C)
Boron	mg/lit	Absent	Max 0.5	APHA 23 rd Edition, (Part 4500-B C)
Silver	mg/lit	Absent	0.1	APHA 16 th Edition, (Part 324B)
Sulphide	mg/lit	Absent	0.05	APHA 23 rd Edition, (part 4500-D)



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DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

Standard: **Method Of Analysis** Unit Result Parameter Regd.Office: Sr.No.167/2B & 168/2B, Plot No.7, info@mygreenenviro.com, krchavan@mygreenenviro.com

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			(IS10500:2012)	
Mineral oil	mg/lit	Nil	0.05	IS 3025 (Part 39)
Anionic detergents	mg/lit	Nil	Max 0.2	APHA 23 rd Edition, (Part 5540 C)
Chloramines	mg/lit	Nil	Max 4.0	APHA 23 rd Edition, (Part 4500-CI G)
Selenium	mg/lit	Nil	Max 0.01	APHA 23 rd Edition,(Part 3500-Se C)
DDT	μg/lit	Nil	1.0	APHA 23rd Edition, (Part 6630C)
2,4 D	μg/lit	Nil	3.0	APHA 23rd Edition, (Part 6630C)
Gamma-HCH (Lindane)	μg/lit	Nil	2.0	APHA 23rd Edition, (Part 6630C)
Endosulfan	μg/lit	Nil	0.4	APHA 23rd Edition, (Part 6630C)
Atrazine	μg/lit	Nil	2.0	APHA 23rd Edition, (Part 6630C)
Reactive Silica	ppm	Nil	0.02	APHA 23 rd Edition, (Part 4500- SiO₂ D)
Sodium	mg/lit	BDL	Not Specified	APHA 23 rd Edition, (Part 3500 Na B)
Potassium	mg/lit	BDL	Not Specified	APHA 23 rd 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 rd Edition Part 9230- B, Page 9-118

• BDL: - Below Detection Limits

For **GREEN ENVIRO**



Govt. Analyst



DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

CLIENT'S NAME

M/s. Joyville Shapoorji Housing Pvt. Ltd.

Plant No.7, Plot No.7

into@mygreenenviro.com, krenavan@mygreenenviro.com

Wireless Colony, Aundh, Pune - 411007.

- www.mygreenenviro.com
- Laboratory: Sr.No.45A/1-4A/4. "PARSHURAM", Eliphiston Road, Bopodi, Pune - 411003.
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ISO 9001:2015 Certified ISO 14001:2015 Certified ISO 45001:2018 Certified

Environmental Consultancy & Laboratory Approved by MoEF&CC (Govt. of India)

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/J	SHPL02	Dated:- 11/08/2	2021		
Lab Reference No:GE/LA	B/W/JSHPL02	Date Of Sample	ing: - 04/08/2021		
Date Of Analysis: - 05/08/	2021	Details Of San	nple : Drinking Wat	er - Labour Colony	
Sample Collected By – Gr	een Enviro	Sample Conta	iner – Sterilized Bo	ttle	
		RESULTS OF A	ANALYSIS		
Parameter	Unit	Result	Standard : (IS 10500:2012)	Method Of Analysis	
РΗ	Value	7.04	6.5 - 8.5	IS 3025 (Part II) 1983, Reaff: 2017	
Total Dissolved Solids	mg/lit	68.42	500	IS 3025 (Part XVI) 1984, Reaff: 2017	
Total Suspended Solids	mg/lit	05.93	Not Specified	IS 3025 (Part XVII) 1984, Reaff- 2017	
Colour		Colorless	Colorless	IS 3025 (Part IV) 1983	
Odour		Odorless	Odorless	APHA 23 rd Edition(Part 2150B)	
Turbidity	NTU	< 0.15	< 5	IS 3025 (Part X) 1984, Reaff: 2017	
Total Hardness	mg/lit	24.88	200	IS 3025 (Part XXI) 2009, Reaff: 2019	
Calcium Hardness	mg/lit	13.35	Not Specified	IS 3025 (Part 40) 1991, Reaff: 2019	
Magnesium Hardness	mg/lit	11.53	Not Specified	IS 3025 (Part 46) 1994, Reaff: 2019	
Chloride	mg/lit	08.39	250	IS 3025 (Part 32) 1998, Reaff: 2019	



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DRINKING WATER QUALITY MONITORING ANALYSIS REPORT

Parameter	Unit	Result	Standard: (IS10500:2012)	Method Of Analysis
Sulphate	mg/lit	06.71	200	IS 3025 (Part 24) 1986, Reaff: 2019

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Total alkalinity	mg/lit	56.30	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 rd Edition,(Part 4500-NO ₃ -B)
Cyanide	mg/lit	Absent	0.05	APHA 23 rd Edition, (Part 4500-CN ⁻ C)
Residual free chlorine	mg/lit	Absent	0.2	APHA 23 rd 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 rd Edition, (Part 3500Hg)
Cadmium	mg/lit	Absent	Max 0.003	APHA 23 rd 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 rd Edition, (Part 6431 B)
Total chromium	mg/lit	Absent	Max 0.05	APHA 23 rd Edition, (Part 3111B)
Total arsenic	mg/lit	Absent	Max 0.01	APHA 23 rd Edition, (Part 3500-As B)
Aluminium	mg/lit	Absent	Max 0.03	APHA 23 rd Edition, (Part 3111 D)
Ammonia(as total ammonia- N)	mg/lit	Absent	Not Specified	APHA 23 rd Edition,(Part 4500-NH 3C)
Boron	mg/lit	Absent	Max 0.5	APHA 23 rd Edition, (Part 4500-B C)
Silver	mg/lit	Absent	0.1	APHA 16th Edition, (Part 324B)
Sulphide	mg/lit	Absent	0.05	APHA 23 rd Edition, (part 4500-D)



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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 rd Edition, (Part 5540 C)

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Chloramines	mg/lit	Nil	Max 4.0	APHA 23 rd Edition, (Part 4500-Cl G)
Selenium	mg/lit	Nil	Max 0.01	APHA 23 rd Edition,(Part 3500-Se C)
DDT	μg/lit	Nil	1.0	APHA 23rd Edition, (Part 6630C)
2,4 D	μg/lit	Nil	3.0	APHA 23rd Edition, (Part 6630C)
Gamma-HCH (Lindane)	μg/lit	Nil	2.0	APHA 23rd Edition, (Part 6630C)
Endosulfan	μg/lit	Nil	0.4	APHA 23rd Edition, (Part 6630C)
Atrazine	μg/lit	Nil	2.0	APHA 23rd Edition, (Part 6630C)
Reactive Silica	Ppm	Nil	0.02	APHA 23 rd Edition, (Part 4500- SiO₂ D)
Sodium	mg/lit	BDL	Not Specified	APHA 23 rd Edition, (Part 3500 Na B)
Potassium	mg/lit	BDL	Not Specified	APHA 23 rd 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 rd Edition Part 9230- B, Page 9-118

• BDL: - Below Detection Limits







	SOIL 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 -57.
Report No: - GE/LAB/S/JSHPL1	Dated:- 11/08/2021
Lab Reference No: GE/LAB/S/ JSHPL01	Date Of Sampling: - 04/08/2021
Date Of Analysis:/205/08/2021 of No.7	Details Of Sample-Soil Sample - Near Building B

- Wireless Colony, Aundh, Pune 411007.
- Laboratory: Sr.No.45A/1-4A/4. "PARSHURAM", Eliphiston Road, Bopodi, Pune - 411003.
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Sample Collected By – Green Enviro		Sample Container – Zip Lock Plastic Bag			
Sr. no	Parameter	Unit	Result Method Of Analysis		
01	Appearance		Light Black	-	
02	Texture				
Α	Clay	%	57.02	Method manual soil testing	
В	Silt	%	20.68	Method manual soil testing	
С	Sand	%	12.49	Method manual soil testing	
D	Gravel	%	9.81	Method manual soil testing	
03	РΗ	Value	7.01	IS 2720 Part -26 1987 RA2002	
04	Moisture Content	%	33.18	IS 15106 2002	
05	Conductivity	mmhos	0.3527	IS 14767 : 2000	
06	Water holding Capacity	%	39.70	IS 14765 2000	
07	Copper as Cu	mg/kg	0.261	IS 6092 Part- 5 1985	
08	Zinc as Zn	mg/kg	0.404	IS 6092 Part- 5 1985	
09	Lead as Pb	mg/kg	0.627	IS 6092 Part- 5 1985	
10	Cadmium as Cd	mg/kg	BDL	IS 6092 Part- 5 1985	
11	Iron as Fe	mg/kg	1.012	IS 6092 Part- 5 1985	
12	Manganese as Mn	mg/kg	0.021	IS 6092 Part- 5 1985	
13	Aluminium as Al	mg/kg	BDL	IS 6092 Part- 5 1985	
14	Tin as Sn	mg/kg	0.0037	IS 6092 Part- 5 1985	
15	Arsenic as As	mg/kg	Nil	IS 6092 Part- 5 1985	
16	Phosphorous as P	mg/kg	03.65	IS 6092 (Part 3) 2004	
17	Total Nitrogen as N	mg/kg	8687	Method manual soil testing	
18	Potassium as K	mg/kg	153.6	IS 2799 -1980	
19	Sodium as Na	mg/kg	BDL	IS 2799 -1980	

•BDL: Below Detection Limits.







SOIL 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 -57.	
Report No: - GE/LAB/S/ JSHPL2	Dated:- 11/08/2021	
Lab Reference No: GE/LAB/S/ JSHPL02	Date Of Sampling: - 04/08/2021	
Date Of Analysis: - 05/08/2021	Details Of Sample - Soil Sample - Near Building C	
Sample Collected By – Green Enviro	Sample Container – Zip Lock Plastic Bag	

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Sr. no	Parameter	Unit	Result	Method Of Analysis	
01	Appearance		Medium Brown	-	
02	Texture				
Α	Clay	%	55.13	Method manual soil testing	
В	Silt	%	22.75	Method manual soil testing	
С	Sand	%	16.46	Method manual soil testing	
D	Gravel	%	5.66	Method manual soil testing	
03	РΗ	Value	6.95	IS 2720 Part -26 1987 RA2002	
04	Moisture Content	%	30.24	IS 15106 2002	
05	Conductivity	Mmhos	0.3173	IS 14767 : 2000	
06	Water holding Capacity	%	37.29	IS 14765 2000	
07	Copper as Cu	mg/kg	0.198	IS 6092 Part- 5 1985	
80	Zinc as Zn	mg/kg	0.227	IS 6092 Part- 5 1985	
09	Lead as Pb	mg/kg	0.510	IS 6092 Part- 5 1985	
10	Cadmium as Cd	mg/kg	BDL	IS 6092 Part- 5 1985	
11	Iron as Fe	mg/kg	0.982	IS 6092 Part- 5 1985	
12	Manganese as Mn	mg/kg	0.037	IS 6092 Part- 5 1985	
13	Aluminium as Al	mg/kg	BDL	IS 6092 Part- 5 1985	
14	Tin as Sn	mg/kg	0.0021	IS 6092 Part- 5 1985	
15	Arsenic as As	mg/kg	Nil	IS 6092 Part- 5 1985	
16	Phosphorous as P	mg/kg	03.30	IS 6092 (Part 3) 2004	
17	Total Nitrogen as N	mg/kg	8475	Method manual soil testing	
18	Potassium as K	mg/kg	138.2	IS 2799 -1980	
19	Sodium as Na	mg/kg	BDL	IS 2799 -1980	

•BDL: Below Detection Limits.







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:- 11/08/2021		
Lab Reference No: GE/LAB/W/SPCPL03	Date Of Sampling: - 04/08/2021		

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Date Of Analysis – 05/08/2021	Details Of Sample – Sewage Wastewater
Sample Collected By – Green Enviro	Sample Container – Plastic Bottle
Sample Nature – Treated Industrial Effluent	Location – STP

RESULTS OF ANALYSIS

1120210 01 7117/21010				
Parameter	Unit	Result	Limits	Method of Analysis
рН	mg/lit	7.28	Not Specified	IS 3025 (Part II) 1983, Reaff: 2017
Suspended Solids	mg/lit	31.67	< 100	IS 3025(Part XVII) 1984, Reaff:2017
Biochemical Oxygen Demand (27 degrees for 3 days)	mg/lit	18.42	< 100	IS:3025 (Part 44) 1993, Reaff:2019
Chemical Oxygen Demand	mg/lit	41.78	< 150	IS 3025 (Part 58) 2006, Reaff: 2017
Total Dissolved Solids	mg/lit	693.2	< 2100	IS 3025 (Part XVI) 1984, Reaff: 2017
Total Oil & Grease	mg/lit	BDL	< 10	APHA 23 rd Edition, Part 5520 B

• BDL: - Below Detection Limits

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

For **GREEN ENVIRO**

2WAR221.



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