



# EHS MATRIX

PRIVATE LIMITED

Annexure - V

- 📍 Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,  
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.
- ☎ +91 95796 84751 / +91 90961 85285
- 🌐 www.ehsmatrix.co.in 📧 ehsmatrixpune@gmail.com


## TEST REPORT

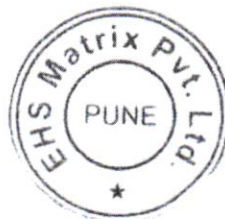
Report No:	EHSM/2022/May/R-99	Issue Date	12/05/2022
Name and Address of Customer	M/s. Aditya Promoters & Builders "AdityaVivaaz" S. No. 92 (P), Ravet, Pune		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	06/05/2022	Sampling duration	1440 Min
Start Date of Analysis	07/05/2022	End Date of Analysis	11/05/2022
Sampling Location	Near Main Gate	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	22°C	Wet bulb temperature	19°C
Relative Humidity	25 %	Sampling done by	Lab Representative


### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO <sub>2</sub> )	19.8	µg/m <sup>3</sup>	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO <sub>2</sub> )	18.7	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM <sub>10</sub>	50.2	µg/m <sup>3</sup>	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM <sub>2.5</sub>	24.7	µg/m <sup>3</sup>	≤ 60	
5	Carbon Monoxide (CO)	1.4	mg/m <sup>3</sup>	≤ 04	
6	Ozone(O <sub>3</sub> )	21	µg/m <sup>3</sup>	≤ 180	
7	Lead (Pb)	BDL	µg/m <sup>3</sup>	≤ 01	
8	Arsenic(As)	BDL	ng/m <sup>3</sup>	≤ 06	
9	Nickel(Ni)	BDL	ng/m <sup>3</sup>	≤ 20	
10	Ammonia(NH <sub>3</sub> )	BDL	µg/m <sup>3</sup>	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/m <sup>3</sup>	≤ 1.0	
12	Benzene(C <sub>6</sub> H <sub>6</sub> )	BDL	µg/m <sup>3</sup>	≤ 05	

Remark- All above results are within National Ambient Air Quality standards.  
BDL - Below Detectable Limit.

  
Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)



  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.  
S.O. 3511 (E), Dated 24<sup>th</sup> August 2021 valid till 9<sup>th</sup> September 2023.

📍 Register Office Address :  
C-7, Omkar Kudale Patil Estate, Manik  
Baugh, Sinhgad Road, Pune - 411051.  
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📍 Branch Office Address :  
F-01, Shakuntala Complex,  
Rajarampuri, 4th Lane,  
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CERTIFICATIONS :  
ISO 9001 : 2015  
ISO 14001 : 2015  
ISO 45001 : 2018



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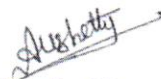
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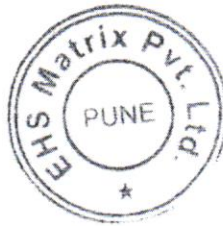
Report No:	EHSM/2022/May/R-100	Issue Date	12/05/2022
Name and Address of Customer	M/s. Aditya Promoters & Builders "AdityaVivaaz" S. No. 92 (P), Ravet, Pune		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	06/05/2022	Sampling duration	1440 Min
Start Date of Analysis	07/05/2022	End Date of Analysis	11/05/2022
Sampling Location	Near South Side	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	22°C	Wet bulb temperature	19°C
Relative Humidity	25 %	Sampling done by	Lab Representative


## Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO <sub>2</sub> )	21.5	µg/m <sup>3</sup>	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO <sub>2</sub> )	19.8	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM <sub>10</sub>	45.1	µg/m <sup>3</sup>	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM <sub>2.5</sub>	23.4	µg/m <sup>3</sup>	≤ 60	
5	Carbon Monoxide (CO)	1.2	mg/m <sup>3</sup>	≤ 04	
6	Ozone(O <sub>3</sub> )	19.0	µg/m <sup>3</sup>	≤ 180	
7	Lead (Pb)	BDL	µg/m <sup>3</sup>	≤ 01	
8	Arsenic(As)	BDL	ng/m <sup>3</sup>	≤ 06	
9	Nickel(Ni)	BDL	ng/m <sup>3</sup>	≤ 20	
10	Ammonia(NH <sub>3</sub> )	BDL	µg/m <sup>3</sup>	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m <sup>3</sup>	≤ 1.0	
12	Benzene(C <sub>6</sub> H <sub>6</sub> )	BDL	µg/m <sup>3</sup>	≤ 05	

Remark- All above results are within National Ambient Air Quality standards.  
BDL – Below Detectable Limit.

  
Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)



  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

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## TEST REPORT

Report No:	EHSM/2022/May/R-101	Issue Date	12/05/2022
Name and Address of Customer	M/s. Aditya Promoters & Builders "AdityaVivaaz"S. No. 92 (P), Ravet, Pune		
Sample Name	Noise	Sample Description	Ambient Noise
Date of Sampling	06/05/2022	Sampling duration	Spot Time
Sampling done by	Lab Representative		

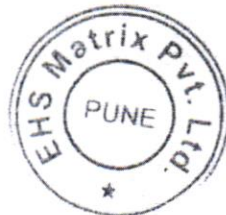
### Results

Sr. No.	Locations	12.30 Hrs Result dB(A) Day	22.00 Hrs Result dB(A) Night	Specifications (CPCB Standards dB(A))	Method
1.	Near Main Gate	52.8	41.8	55/45	CPCB Guideline
2.	Near East Side	53.9	42.7		
3.	Near West Side	51.8	42.1		

#### Remark-

- All above Noise level results are within Central Pollution Control Board Standards limit.
- Day/Night -55/45 dB.

*Aishwarya Shetty*  
Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)



*Rahul Patil*  
Authorized Signatory  
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(Director)

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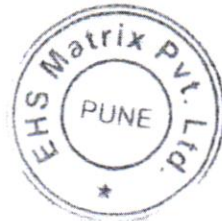
## TEST REPORT

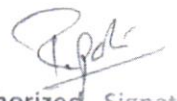
Report No:	EHSM/2022/May/R-102	Issue Date	12/05/2022
Name and Address of Customer	M/s. Aditya Promoters & Builders "AdityaVivaaz"S. No. 92 (P), Ravet, Pune		
Sample Name	Water	Sample Description	Drinking Water
Date of Sampling	06/05/2022	Sampling Time	11 AM
Sampling Location	Drinking Water	Sampling Procedure	APHA 1060
Sampling done by	Lab Rep	Sample Quantity	01 L
Start Date of Analysis	07/05/2022	End Date of Analysis	12/05/2022

## Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (IS 10500:2012)	Methods
1	Colour	Clear	<5	Hazen	APHA 2120
2	Turbidity	<5	NTU	5	APHA 2130 B, 23 <sup>rd</sup> Ed.2017
3	Odour	Agreeable	Agreeable	--	APHA 2150
4	pH at 25°C	6.98	--	6.5 to 8.5	APHA 4500 H+ A, 23 <sup>rd</sup> Ed.2017
5	Total Dissolved Solids TDS	19	mg/L	<2000	APHA 2540 C, 23 <sup>rd</sup> Ed.2017
6	Total Hardness (as CaCO <sub>3</sub> )	34.0	mg/L	<600	IS 3025 (Part 21):2009
7	Total Alkalinity (as CaCO <sub>3</sub> )	43.0	mg/L	<600	IS 3025 (Part 23):1986
8	Sulphate (as SO <sub>4</sub> )	< 5.0	mg/L	<400	IS 3025 (Part 24):1986
9	Chloride (as Cl)	19.4	mg/L	<1000	APHA 4500 Cl, 23 <sup>rd</sup> Ed.2017
10	Calcium (as Ca)	21.2	mg/L	<200	IS 3025 (Part 40) 1991
11	Magnesium (as Mg)	8.2	mg/L	<100	IS 3025 (Part 46) 1994
12	Iron (as Fe)	< 0.1	mg/L	0.3	APHA 3111, 23 <sup>rd</sup> Ed.2017
13	Total Coliform	Absent	MPN/100ml	<2	IS 15185
14	Escherichia coli	Absent	MPN/100ml	<2	IS 15185

  
Checked by  
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(Technical Manager)



  
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(Director)

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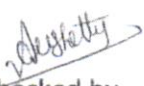
## TEST REPORT

Report No:	EHSM/2022/May/R-103	Issue Date	12/05/2022
Name and Address of Customer	M/s. Aditya Promoters & Builders "AdityaVivaaz"S. No. 92 (P), Ravet, Pune		
Sample Name	Soil	Sample Description	Solid
Date of Sampling	06/05/2022	Sampling Time	10:30 AM
Sampling Location	---	Sampling Procedure	--
Sampling done by	Lab Representative	Sample Quantity	01 kg
Start Date of Analysis	07/05/2022	End Date of Analysis	11/05/2022

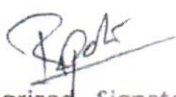
### Results

Sr. No.	Parameters	Results	Unit(s)	Methods
1	Soil Texture			Manual Of Soil Testing
	a) Sand	29	%	
	b) Silt	30	%	
	c) Clay	41	%	
	A. Soil type	Silty clay	-	
2	pH at 25°C	7.34	--	IS 2720(Part 26) 1987
3	EC at 25°C	2702.0	µS/cm	IS 14767 : 2000
4	Moisture Content	7.2	%	Manual Of Soil Testing
5	Organic Matter	3.336	%	IS 2720(Part 22) 1972
6	Cation Exchange Capacity	2.9	meq/100g	Manual Of Soil Testing
7	Total Soluble Sulphate	13.4	mg/Kg	Manual Of Soil Testing
8	Available Phosphorus	17.84	mg/Kg	Manual Of Soil Testing
9	Available Nitrogen	150.7	mg/Kg	Manual Of Soil Testing
10	Water Holding	50.4	%	Manual Of Soil Testing
11	Calcium as (Ca)	22.7	mg/Kg	Manual Of Soil Testing
12	Magnesium as (Mg)	11.4	mg/Kg	Manual Of Soil Testing
13	Lead (as Pb)	<0.02	mg/Kg	Manual Of Soil Testing
14	Copper (as Cu)	<0.07	mg/Kg	Manual Of Soil Testing
15	Zinc (as Zn)	8.0	mg/Kg	Manual Of Soil Testing
16	Cadmium (as Cd)	<0.01	mg/Kg	Manual Of Soil Testing
17	Iron (as Fe)	5.0	mg/Kg	Manual Of Soil Testing
18	Manganese (as Mn)	1.4	mg/Kg	Manual Of Soil Testing

Remark-

  
Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)



  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

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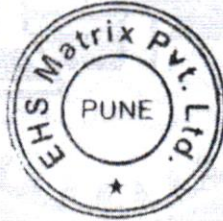
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## TEST REPORT

Report No:	EHSM/2022/May/R-339	Issue Date	12/05/2022	
Name and Address of Customer	M/s. Aditya Promoters & Builders - "AdityaVivaaz" S. No. 92 (P), Ravet, Pune			
Sample Name	Water	Sample Description	STP Inlet	
Date of Sampling	06/05/2022	Sampling Time	10: 30 AM	
Sampling Location	STP	Sampling Procedure	APHA	
Sampling done by	Client	Sample Quantity	01 L	
Start Date of Analysis	07/05/2022	End Date of Analysis	11/05/2022	
<b>Results</b>				
Sr. No.	Parameters	Results	Unit(s)	Methods
1	Total Suspended Solids	78.9	mg/L	APHA 2540 D, 23 <sup>rd</sup> Ed. 2017
2	pH	7.5	--	APHA 4500 H+ A, 23 <sup>rd</sup> Ed. 2017
3	BOD at 27°C for 3 days	50.8	mg/L	APHA 5210 B, 23 <sup>rd</sup> Ed. 2017
4	COD	128.0	mg/L	APHA 5220 B23 <sup>rd</sup> Ed. 2017
5.	NH4N	3.0	mg/L	APHA 4500_NH4N, F-23 <sup>rd</sup> Edition 2017
6.	N TOTAL	4.8	mg/L	APHA 4500_N, F-23 <sup>rd</sup> Edition 2017
7.	FEACAL COLIFORMS	21.8	MPN/100ml	IS1622 : 1981
Remark- All parameters are within the MPCB limit.				

  
Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)



  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

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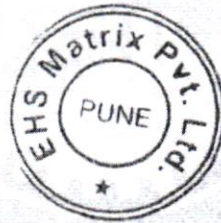
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## TEST REPORT

Report No:	EHSM/2022/May/R-340	Issue Date	12/05/2022		
Name and Address of Customer	M/s. Aditya Promoters & Builders "AdityaVivaaz" S. No. 92 (P), Ravet, Pune				
Sample Name	Water	Sample Description	STP Outlet		
Date of Sampling	06/05/2022	Sampling Time	10: 30 AM		
Sampling Location	STP	Sampling Procedure	APHA		
Sampling done by	Client	Sample Quantity	01 L		
Start Date of Analysis	07/05/2022	End Date of Analysis	11/05/2022		
<b>Results</b>					
Sr. No.	Parameters	Results	Unit(s)	Limits	Methods
1	Total Suspended Solid	12.9	mg/L	<20	APHA 2540 D, 23 <sup>rd</sup> Ed. 2017
2	pH	7.2	--	5.5-9.0	APHA 4500 H+ A, 23 <sup>rd</sup> Ed. 2017
3	BOD at 27°C for 3 days	6.5	mg/L	<10	APHA 5210 B, 23 <sup>rd</sup> Ed. 2017
4	COD	18.4	mg/L	<50	APHA 5220 B 23 <sup>rd</sup> Ed. 2017
5.	NH4N	1.8	mg/L	05	APHA 4500_NH4N, F-23 <sup>rd</sup> Edition 2017
6.	N TOTAL	2.9	mg/L	10	APHA 4500_N, F-23 <sup>rd</sup> Edition 2017
7.	FEACAL COLIFORMS	Absent	MPN/100ml	100	IS1622 : 1981
Remark- All parameters are within the MPCB limit.					

*Aishwarya Shetty*  
Checked by  
Miss. Aishwarya Shetty  
(Technical Manager)



*Rahul Patil*  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

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ISO 45001 : 2018

Date :

Ref. No.

**UNDERTAKING**

This is to inform you that, there is no Court case filed or pending against our company "M/s. Aditya Promoters" having project at "S.No.92 (p), Ravet, Pune, Maharashtra-Pin-412101" with reference to the Environmental Clearance granted vide Letter No. EC Letter No. SEAC-EC-0000001995 dated 14/09/2019. We also confirm that the Construction is in progress as per the granted EC & Architect Certificate is incorporated accordingly.

We also confirm that no stop work has been issued by MPCB / CPCB to our said project.

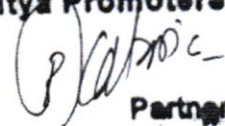
Hence this undertaking.

Date : 23/10/2022

Place: Pune

For M/s. Aditya Promoters

**For Aditya Promoters**



**Partner**

Corporate Office :

619, Sadashiv Peth, Bajirao Road, Pune - 411 030.  
Tel : +91-20-24490851 / 2 Fax : +91-20-24459146.  
Email : [info@adityabuilders.com](mailto:info@adityabuilders.com)

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Mumbai - 400 028. Telefax : +91-22-24450376  
[www.adityabuilders.com](http://www.adityabuilders.com)



*Environmental Management Plan (EMP)*

### Environment Management Plan

Sr. No.	Media	Aspect	Mitigation measures	Implementation Schedule	Responsibility
1	Air	Dust emissions from excavation, material handling and other construction activities.	<ol style="list-style-type: none"> <li>1. Provision of spraying water to reduce dust emission on roads.</li> <li>2. Excavated topsoil to be preserved and reused for landscaping.</li> <li>3. The amount of exposed ground and stockpiles will be minimized so that re-suspension due to wind and subsequent dust fall is prevented.</li> <li>4. Ensuring all vehicles, generators and compressors are well maintained and regularly serviced.</li> </ol>	<p>Three times in peak construction activity in summer season</p> <p>Before construction activity storage area shall be constructed</p>	<p>Site Engineer</p> <p>Project Proponent/ Site Contractor</p>
2	Noise	Noise generated from construction activities, operation of construction equipment and traffic.	<ol style="list-style-type: none"> <li>1. Use of well-maintained equipment fitted with silencers.</li> <li>2. Providing noise shields near the heavy construction operations</li> <li>3. Use of Personal Protective Equipment (PPE) like ear muffs and ear plug for workers during construction activities</li> </ol>	Prior to construction activity of proposed Buildings	Project Proponent/ Site Contractor
3	Water	Surface runoff from project site, Oil/ fuel and waste spills, Improper debris disposal/sewage disposal	<ol style="list-style-type: none"> <li>1. Sewage generated from construction labors for proposed building shall be treated in mobile STP of. No labor camps are proposed. Minimum 5 mobile toilets will be provided.</li> <li>2. Silt traps and other measures such as, additional on-site diversion ditches will be constructed to control surface run-off during site development.</li> <li>3. Oil and grease traps for parking bays</li> </ol>	Prior to start structure work (peak construction activity)	Site Engineer / Safety Officer
4	Land use and aesthetics	Land use is residential and project proposed is Residential	Green Belt development with trees and of RG area	During Construction activity	Project Proponent

5	Soil	Construction activity leading to topsoil removal and erosion.	Excavation only for foundation for proposed buildings. Top soil shall be used for landscaping.	At the time of Foundation activity and site preparation	Site Engineer
6	Ecology, flora and fauna	Disposal of construction and demolition debris. Contamination of soil due to leakage of oil from vehicles	1. Construction debris will be collected and suitably used on site as per construction waste management plan. 2. Effective measures will be taken to prevent leakage of oil	During Construction	Project Proponent

*Cost of Environmental Management Plan (EMP)*

**ANNEXURE – III**

**Cost of Environmental Management Plan**

**a) Construction Phase with Break up**

<b>Sr. No.</b>	<b>Attributes</b>	<b>Parameter</b>	<b>Total Cost per Annum (rs. In Lacs)</b>
01	Water for Construction & Labour	Water Requirement	2.0
02	Site Sanitation , Disinfection & Safety	Health & safety	2.5
03	Environmental Monitoring	Pollution, Monitoring & Control	2.06
04	Environmental Monitoring Cell	Health & Safety	1.63
05	Health Checkup	Health & Safety	2.0

**b) Operation Phase with Break up**

<b>Sr. No.</b>	<b>Particulars</b>		<b>Capital Cost (INR) in Lacs</b>	<b>Maintenance Cost (INR/Year) in Lacs</b>
<b>1.</b>	Rain water Harvesting	RWH Pits	<b>3.75</b>	<b>1.2</b>
<b>2.</b>	Sewage Treatment Plant	Waste Water Treatment Plant	48.0	8.5
<b>3.</b>	Organic Waste Composting	Solid Waste Management	12.84	3.8
<b>4.</b>	Tree Plantation	Landscape Development	20.5	2.0
<b>5.</b>	Energy Saving	Energy Conservation	88.10	7.7
<b>6.</b>	Environmental Monitoring	Pollution Monitoring & Mitigation	0.0	2.88
	<b>Total</b>		<b>173.19</b>	<b>26.08</b>

**ANNEXURE – IV**