



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जल वायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE
क्षेत्रीय कार्यालय
REGIONAL OFFICE
Ground Floor, East Wing, New Secretariat Building
Civil Lines, Nagpur - 440001
E-mail: apccfcentral-ngp-mef@gov.in



F. No. EC-2381/RON/2024-NGP | 112858

Dated: 13.02.2024

To

The Member Secretary, (SEIAA), Maharashtra
Room No. 217, Second Floor,
Mantralaya Annex, Madam Cama Road, Mumbai-32.
psec.env@maharashtra.gov.in

Subject: Expansion for Slum Rehabilitation Scheme "Jai Bhavani Co-op Hsg. Society" at Plot bearing S. No. 507(P), Gandhinagar, Pokhran Road no. 2, Village- Panchpakhadi, District- Thane, State- Maharashtra by M/s. Heer Realty Ventures Pvt. Ltd-Issue of Certified Compliance Report- Reg.

Sir,

This has reference to your request for the issue of CCR for the above project. In this regard, the above said project was inspected by this office After the site visit and review of additional documents submitted, the implementation of environmental safeguards status in the project is prepared. Copy of the Inspection report is enclosed. **PP should ensure the compliance on the observations made in the report.**

This issues with the approval of Competent Authority.

Yours faithfully


(Surender Gugloth)
Scientist-E

Encl: as above

Copy to

1. Shri Dharam Kataria, Director Shop no 22, Sai Tirth Tower, Siddharth Nagar, Kopari Colony, Thane East – 400603
2. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Mumbai-400 022. Email: ms@mpcb.gov.in,
3. The District Collector, Court Naka, Ad Prabhakar Hegde Rd, Kharkar Alley, 400601 Thane, Maharashtra 400601. Email: collector.thane@maharashtra.gov.in
4. Shri Pratik Bharne, Scientist 'E' Central Pollution Control Board, Regional Directorate S. No. 110, Dhankude Multipurpose Hall, Baner Road, Baner, Pune- 411045. Email: pratik.cpcb@gov.in
5. The Compliance and Monitoring Division, Ministry of Environment, Forest and Climate Change Indira Paryavaran Bhawan, Jorbag Road, New Delhi- 3. Email: moefcc-monitoring@gov.in

GOVERNMENT OF INDIA
Ministry of Environment, Forest and Climate Change
Regional Office, Nagpur

INSPECTION REPORT

F. No. EC-2381/RON/2024-NGP

- | | |
|---|--|
| 1. Name of the project and location | Expansion for Slum Rehabilitation Scheme "Jai Bhavani Co-op Hsg. Society" at Plot bearing S. No. 507(P); Gandhinagar, Pokhran Road no. 2, Village- Panchpakhadi, District- Thane, State- Maharashtra by M/s. Heer Realty Ventures Pvt. Ltd. |
| 2. Address for Correspondence | Shri. Dharam Kataria, Director
Shop no 22, Sai Tirth Tower, Siddharth Nagar, Kopari Colony, Thane East – 400603 |
| 3. Clearance letter No.& Date | No: SEAC-2013/CR-293/TC-1 dated 04.09.2014
No: SIA/MH/MIS/170212/2020 dated 10.05.2021 |
| 4. Date of site visit | The project was inspected on 03.01.2024. During the visit, Shri. Dharam Kataria was present. |
| 5. Date of previous visit(s) & observation if any | Nil |
| 6. One-page brief summary of the project - along with project details, date of commencement of construction activities, present status etc, | EC was granted by SEIAA on dated 10.05.2021 for construction of Slum Rehabilitation Scheme for building and Construction Project for plot area 6921.90 sqm and total built up area of 40,747.57 sqm. The proposed project consists of a total of 3 nos. of Buildings. (1 Rehab, sale commercial building, sale parking tower) for Total BUA Area 78280.01 sqm
Construction activity commenced in the May, 2017. The project is under construction phase, about 61% of work have been completed. |
| 7. Consent from MPCB | PP has obtained CTE - BO/RO-HQ/EIC-HQ-0207-14/CE/CC- 9980 dated 30.10.2014.
PP has obtained CTE vide number- UAN No: MPCB CONSENT-0000175712 dated 06.07.2023. |

- | | |
|---|---|
| 8. Water usage, source and quantity | The water requirement for the construction activity is about 14 KLD and it is met through tanker water Supply. PP has obtained NOC from TMC for water supply for the operation phase. |
| 9. Permission to draw ground water if any shall be obtained from the competent Authority prior to construction /operation of the project | According to the PP, there are no bore wells and PP is meeting the water requirement for construction through water tankers. |
| 10. Details on sanitation facilities provided at labour camp, if provided within the site- | Adequate drinking water and temporary sanitation facilities are provided. |
| 11. Sewage treatment and disposal, | <p>The waste generated from labour is discharged into Existing municipal sewer drain.</p> <p>The sewage treatment plant of total capacity of 400 KLD (2 X 200 KLD) is proposed for the treatment of sewage expected from Operation Phase. The treated sewage is proposed to be reused for flushing, gardening etc.</p> |
| 12. Solid waste collection and disposal | Solid waste generated is properly collected, segregated and handed over to local agency. The solid waste has been collected and segregated at source. Wet waste has been treated by Organic Waste Composter (OWC) of 864 Kg/day capacity and dry waste is handed over to recyclers. Being a construction project, no hazardous waste is generated except the used oil from the DG set PP has authorization from MPCB for the disposal of used oil to the authorized agency. |
| 13. Construction Spoils, muck, including bituminous material and other hazardous materials management | All construction waste gets collected and segregated properly. Most of that is reused for the construction activity. There is no bituminous waste. Used oil would be generated from the site, will be disposed through Authorized vendor of MPCB. |
| 14. Water conservations measures- | Water demand during construction is reduced by of pre-mixed concrete, curing agents and other practices. |
| <p>Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred</p> <p>Rainwater harvesting shall be carried out.</p> | <p>PP has provided 2 no tanks with 100 & 50 cum capacity for collection of rain water and proposed to reuse.</p> |

- | | |
|--|--|
| Dual plumbing line for separation of gray and black water, Low flow Fixtures for showers, toilet flushing and drinking.
Recycling of treated sewage | PP has agreed to implement all these conditions at the plumbing stage.

The sewage treatment plant of total capacity of 400 KLD (2 X 200 KLD) is proposed for the treatment of sewage expected from Operation Phase. The treated sewage is proposed to be reused for flushing, gardening etc., |
| 15. Energy conservation as per Energy Conservation Building Code | Project is designed as per ECBC norms and Energy conservation measures such as LED, BEE 5 star rated pumps, solar lighting etc will be provided. |
| 16. Usage of Fly ash in the construction | Fly ash is used in RMC. |
| 17. Topsoil management. | Excavated soil is used for backfilling and leveling of the plot and remaining shall be used within site for landscaping. |
| 18. Details of DG set [numbers and Capacity] | PP has provided DG sets of 1 x 350 KVA + 1x 1000 KVA & 1 x 800 KVA are proposed for operational phase. The height of the DG set is installed as per the Central Pollution Control Board (CPCB). |
| 19. Pollution abatement measures: | Vehicles with PUC only are hired for bringing construction material to the site.

Water sprinkling was being carried out to suppression of dust and construction activity was restricted to day time only, PP has provided DG with acoustic enclosure. |
| 20. Latest Monitoring reports on Ambient air, Soil, Ground water, Noise, DG set etc., | The environmental monitoring is regularly carried out for various parameters by approved MOEFCC lab and copy of the latest monitoring reports are enclosed at Annexure –I . PP informed that Ground water quality not monitored as there is no bore well. |
| 21. Construction Spoils, muck, including bituminous material and other hazardous materials management | All construction waste gets collected and segregated properly. Most of that is reused for the construction activity. There is no bituminous waste.

Used oil would be generated from the site, will be disposed through Authorized vendor of MPCB. |

22. Green Belt	PP has submitted green belt development plan. According to Plan, proposed to carry out plantation in an area of 508.20 sqm Total number of trees to be planted are 250 Nos. of trees + 50 Nos. of shrubs are proposed on the site. PP should ensure plantation as per the green belt development plan submitted.
23. Environmental Management Plan	As per the documents submitted by the PP, capital cost of Rs 221 lakhs and O & M cost of Rs 38.5 lakhs / year has been earmarked for EMP. PP should ensure implementation of EMP activities with 30% funds to be earmarked for Water conservation works and planting/distribution of seedlings.
24. Details of Environment Management Cell	Separate Environment Management Cell has been set up to look after environmental management.
25. Submission of six monthly reports on the status of compliance	PP has submitted six-monthly report.
26. Submission of the environmental statement	PP has submitted the copy of the Environment Statement
27. Uploading of the EC, compliance report, Environmental statement on the Company Website	Not Complied
28. Advertisement about the grant of EC	Not Complied
29. Details of areas like Forest, Eco-Sensitive Zone, wildlife sanctuary etc. and the distance from the project	Thane creek flamingo sanctuary is, 3.4 km away from ESZ. SGNP is 1.33 km away from ESZ.
30. Traffic management near the entry and exit points Parking should be fully internalized and no public space should be utilized.	PP will provide proper Entry & exit to the proposed project in such way that it won't affect traffic on the adjoining roads. Also sufficient parking is provided.
31. Commencement of construction of the project versus environmental clearance.	PP informed that the Construction activity commenced in the May,2017.
32. Details of Show Cause Notice/	NIL

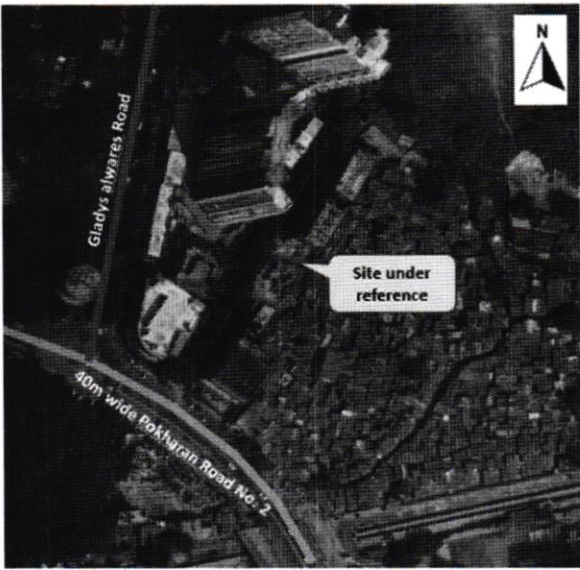
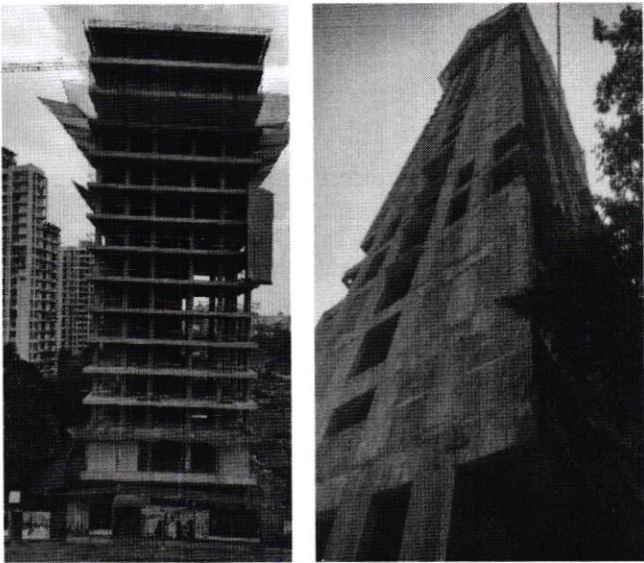
direction issued, if any by the State PCB and details of remedial action taken/proposed.

33. Details of pending Court Cases (If any) NIL

34. Proposal Reported that due to new UDPCR rules, PP proposed to modify the plan and applied for EC. Hence, requested for CCR.

Conclusion: After the site visit and review of additional documents submitted, the implementation of environmental safeguards status in the project is prepared. The following Non Compliance/Partially Compliance was observed.

1. PP has not uploaded EC, Compliance Report on their company website (**PP shall ensure proper maintenance of website**)
2. PP has not submitted copy of the Advertisement (**PP shall ensure issue of advertisement in future**)

	
Fig: Google Imagery	Fig: Construction at the site


(Surender Gugloth)
(SURENDER GUGLOTH)
Scientist-E
 वैज्ञानिक 'ई' / Scientist 'E'
 पर्यावरण, वन, जल एवं जलवायु विभाग, नगरपालिका
 Min. of Environment, Forest and Climate Change
 क्षेत्रीय कार्यालय, नागपुर- R. O., Nagpur

**ENVIRO ANALYSTS & ENGINEERS PVT. LTD.**

(NABET, NABL Accredited and MoEFCC Approved)

CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Ambient Air Quality Monitoring Report

Report No. - EAEPL/A/04/23/00484A			Report Date - 18.04.2023
Name of Customer	M/S. Heer Realty Ventures Pvt. Ltd.		Reference – Verbal
Site Address	'Jai Bhavani Co-op Hsg. Society', S. No. 507(P), Gandhinagar, Pokhran Road No. 2, Village Panchpakhadi, Dist – Thane.		
Nature and Description of Sample	Ambient Air	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/A/04/23/00484A (Near Centreside of Site)	Sample quantity and packing	PM ₁₀ = 1 * 1 No. Filter paper. PM _{2.5} = 1 * 1 No. Filter paper. SO _x = 30ml * 2 Nos. PVC bottle. NO _x = 30ml * 2 Nos. PVC bottle.
		Sample Preservation	Filter papers – Transported and stored in desiccator. PVC bottles - Transported and stored at 5°C (±1 °C).
Date of Sampling	10.04.2023	Date of Receipt	11.04.2023
Sampling Procedure	EAEPL/LAB/SOP/01		
Period of Analysis	11.04.2023 to 12.04.2023		
Report for the month	April, 2023		

Discipline: Chemical

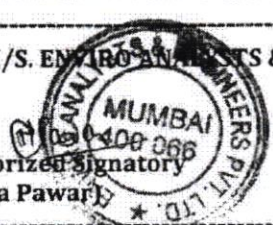
Group: Atmospheric Pollution

Environmental Conditions			
Ambient Air Temperature (°C)	Relative humidity (%)	Duration of Monitoring	
36.0	62.0	8 Hours	
RESULTS			
Tests Parameter	Results	NAAQS LIMITS	METHOD
R.S.P.M (PM ₁₀) (µg/m ³)	84.41	100 µg/m ³	IS 5182 (Part 23) 2006 Reaffirmed 2017
R.S.P.M (PM _{2.5}) (µg/m ³)	34.93	60 µg/m ³	IS 5182 (Part 24) 2019
SO ₂ (µg/m ³)	21.14	80 µg/m ³	IS 5182 (Part 2) 2001 Reaffirmed 2017
NO _x (µg/m ³)	25.02	80 µg/m ³	IS 5182 (Part 6) 2006 Reaffirmed 2017

Remark: All the measured values are within NAAQS limits.

End

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,


Authorized Signatory
(Netra Pawar)

Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).
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**ENVIRO ANALYSTS & ENGINEERS PVT. LTD.**

(NABET, NABL Accredited and MoEFCC Approved)

CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Water Sample Analysis Report

Report No. - EAEPL/W/04/23/004848			Report Date – 18.04.2023
Name of Customer	M/S. Heer Realty Ventures Pvt. Ltd.		Reference – Verbal
Site Address	'Jai Bhavani Co-op Hsg. Society', S. No. 507(p), Gandhinagar, Pokhran Road No. 2, Village Panchpakhadi, Dist – Thane.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/ W/04/23/00484B (Near Main Gate of Site)	Sample quantity and packing	2 L X 1 No. PVC Can.
		Sample Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	10.04.2023	Date of Receipt	11.04.2023
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	11.04.2023 to 18.04.2023		
Report for the month	April, 2023		

Discipline: Chemical

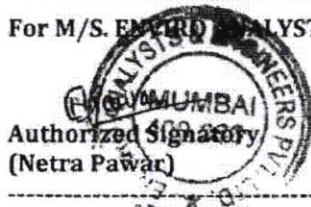
Group: Water

Parameters	Unit	Results	Method
pH	-	7.24	IS 3025 (Part 11) 2022
Total Dissolved Solid	mg / l	314.00	IS 3025 (Part 16) (1984) Reaffirmed 2017
Turbidity	NTU	< 1.00	IS 3025 (Part 10) (1984) Reaffirmed 2017
Alkalinity	mg / l	69.30	IS 3025 (Part 23) (1986) Reaffirmed 2019
Chlorides as Cl	mg / l	65.98	IS 3025 (Part 38) (1989) Reaffirmed 2019
Total Hardness	mg / l	169.96	IS 3025 (Part 21) (2009) Reaffirmed 2019
Calcium	mg / l	49.70	IS 3025 (Part 40) (1991) Reaffirmed 2019
Residual chlorine	mg / l	ND	IS 3025 (Part 26) 2021
Sulphate	mg / l	24.80	IS 3025 (Part 24) Sec1:2022
Nitrate	mg / l	ND	APHA 4500 NO ₃ , B (22 nd Edition)
Fluoride	mg / l	ND	APHA 4500 F, D (22 nd Edition)
Heavy Metals:			
Iron (Fe)	mg / l	ND	IS 3025 (Part 2) 2019
Copper (Cu)	mg / l	ND	IS 3025 (Part 2) 2019
Zinc (Zn)	mg / l	ND	IS 3025 (Part 2) 2019
Lead (Pb)	mg / l	ND	IS 3025 (Part 2) 2019
Chromium (Cr)	mg / l	ND	IS 3025 (Part 2) 2019

Note: ND - Not Detected

End

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,



Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).
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Mumbai (HO) | Nagpur | Pune | Nashik | Tarapur | Mira Road (Lab) | Thane

**ENVIRO ANALYSTS & ENGINEERS PVT. LTD.**

(NABET, NABL Accredited and MoEFCC Approved)

CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Water Sample Analysis Report

Report No. - EAEPL/W/04/23/00484B			Report Date – 18.04.2023
Name of Customer	M/S. Heer Realty Ventures Pvt. Ltd.		Reference – Verbal
Site Address	'Jai Bhavani Co-op Hsg. Society', S. No. 507(p), Gandhinagar, Pokhran Road No. 2, Village Panchpakhadi, Dist – Thane.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/ W/04/23/00484B (Near Main Gate of Site)	Sample quantity and packing	250 ml X 1No. St PP. bottle
		Sample Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	10.04.2023	Date of Receipt	11.04.2023
Sampling Procedure	EAEPL/LAB/MB/SOP/17		
Period of Analysis	11.04.2023 to 18.04.2023		
Report for the month	April, 2023		

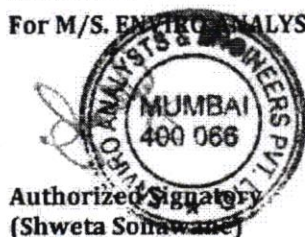
Discipline: Biological

Group: Water

Parameters	Unit	Results	Method
Microbiological Analysis:			
Coliforms	MPN/100ml	< 2	IS 1622:1981 Reaffirmed (2019)
E coli	MPN/100ml	< 2	IS 1622:1981 Reaffirmed (2019)

End

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

Authorized Signatory
(Shweta Sonawane)

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**ENVIRO ANALYSTS & ENGINEERS PVT. LTD.**

(NABET, NABL Accredited and MoEFCC Approved)

CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Soil Sample Analysis Report

Report No. - EAEPL/S/04/23/00484C			Report Date - 18.04.2023
Name of Customer	M/S. Heer Realty Ventures Pvt. Ltd.		Reference – Verbal
Site Address	'Jai Bhavani Co-op Hsg. Society', S. No. 507(P), Gandhinagar, Pokhran Road No. 2, Village Panchpakhadi, Dist – Thane.		
Nature and Description of Sample	Soil	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/S/04/23/00484C	Sample quantity and packing	1000 gm X 1 zip lock bag
		Preservation	Transported & stored in dry area
Date of Sampling	10.04.2023	Date of Receipt	11.04.2023
Sampling Procedure	EAEPL/LAB/SOP/03		
Period of Analysis	11.04.2023 to 18.04.2023		
Report for the month	April, 2023		

Discipline: Chemical

Group: Soil & Rock

Parameters	Unit	Results	Methods
pH	-	7.36	IS 2720 (Part 26) (1987), Reaffirmed:2021
Electrical Conductivity	$\mu\text{S/cm}$	384.50	IS 14767:2000, Reaffirmed:2021
Soil Moisture	%	18.82	IS 2720 (Part 02) (1973), Reaffirmed:2020 Oven Drying Method
Water Holding Capacity	%	36.11	EAEPL/LAB/SOP/SOIL/10
Sulphate	mg/kg	32.08	IS 2720 (Part 27) 1977 Reaffirmed 2020
Chlorides	mg/kg	120.24	EAEPL/LAB/SOP/SOIL/03
Calcium	mg/kg	2104.90	EPA 9080
Magnesium	mg/kg	209.25	EPA 9080
Total Kjeldhal Nitrogen	mg/kg	731.43	IS 14684:1999, Reaffirmed:2019
Organic Matter	%	1.98	IS 2720 (Part 22) (1972), Reaffirmed:2020
Available Phosphorus	mg/kg	1.26	EAEPL/LAB/SOP/SOIL/11
Sodium (Na)	mg/kg	1104.86	EPA 3050B
Potassium (K)	mg/kg	994.22	EPA 3050B
Heavy Metals:			
Iron	mg/kg	68142.04	EPA 3050B
Copper	mg/kg	142.63	EPA 3050B
Lead	mg/kg	13.19	EPA 3050B
Zinc	mg/kg	104.59	EPA 3050B

End

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

Authorized Signatory
(Netra Pawar)

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Mumbai (HO) | Nagpur | Pune | Nashik | Tarapur | Mira Road (Lab) | Thane

**ENVIRO ANALYSTS & ENGINEERS PVT. LTD.**

(NABET, NABL Accredited and MoEFCC Approved)

CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Ambient Noise Level Monitoring Report

Report No. - EAEPL/N/04/23/00484D			Report Date - 18.04.2023
Name of Customer	M/S. Heer Realty Ventures Pvt. Ltd.		Reference – Verbal
Site Address	'Jai Bhavani Co-op Hsg. Society', S. No. 507(P), Gandhinagar, Pokhran Road No. 2, Village Panchpakhadi, Dist – Thane.		
Nature and Description of Sample	Noise	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/N/04/23/00484D	Sample quantity and packing	Not Applicable
Date of Sampling	10.04.2023	Date of Receipt	Not Applicable
Sampling Procedure	EAEPL/LAB/SOP/04		
Period of Analysis	Not Applicable		
Report for the month	April, 2023		

Discipline: Chemical

Group: Atmospheric Pollution

Monitoring Locations	Units	Results		CPCB Norms	
		Day Time	Night Time	Day	Night
Near Main Gate of Site	dB(A) Leq.	54.7	44.5	55	45
Near Centreside of Site	dB(A) Leq.	54.1	43.9	55	45
Near Backside of Site	dB(A) Leq.	54.2	44.5	55	45
Near Site Office	dB(A) Leq.	53.8	44.2	55	45

Remark: The noise level was observed to be within CPCB limits at all of the location.

End

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,


Authorized Signatory
(Netra Pawar)

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**ENVIRO ANALYSTS & ENGINEERS PVT. LTD.**

(NABET, NABL Accredited and MoEFCC Approved)

CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Soil Sample Analysis Report

Report No. - EAEPL/S/07/23/00942C			Report Date - 21.07.2023
Name of Customer	M/S. Heer Realty Ventures Pvt. Ltd.		Reference – Verbal
Site Address	'Jai Bhavani Co-op Hsg. Society', S. No. 507(P), Gandhinagar, Pokhran Road No. 2, Village Panchpakhadi, Dist – Thane.		
Nature and Description of Sample	Soil	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/S/07/23/00942C	Sample quantity and packing	1000 gm X 1 zip lock bag
		Preservation	Transported & stored in dry area
Date of Sampling	13.07.2023	Date of Receipt	14.07.2023
Sampling Procedure	EAEPL/LAB/SOP/03		
Period of Analysis	14.07.2023 to 21.07.2023		
Report for the month	July, 2023		

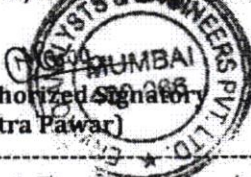
Discipline: Chemical

Group: Soil & Rock

Parameters	Unit	Results	Methods
pH	-	7.21	IS 2720 (Part 26) (1987), Reaffirmed:2021
Electrical Conductivity	µS/cm	352.40	IS 14767:2000, Reaffirmed:2021
Soil Moisture	%	17.08	IS 2720 (Part 02) (1973), Reaffirmed:2020 Oven Drying Method
Water Holding Capacity	%	34.89	EAEPL/LAB/SOP/SOIL/10
Sulphate	mg/kg	30.47	IS 2720 (Part 27) 1977 Reaffirmed 2020
Chlorides	mg/kg	105.58	EAEPL/LAB/SOP/SOIL/03
Calcium	mg/kg	2029.73	EPA 9080
Magnesium	mg/kg	156.93	EPA 9080
Total Kjeldhal Nitrogen	mg/kg	723.50	IS 14684:1999, Reaffirmed:2019
Organic Matter	%	1.56	IS 2720 (Part 22) (1972), Reaffirmed:2020
Available Phosphorus	mg/kg	1.72	EAEPL/LAB/SOP/SOIL/11
Sodium (Na)	mg/kg	1086.42	EPA 3050B
Potassium (K)	mg/kg	959.51	EPA 3050B
Heavy Metals:			
Iron	mg/kg	63781.60	EPA 3050B
Copper	mg/kg	139.27	EPA 3050B
Lead	mg/kg	15.78	EPA 3050B
Zinc	mg/kg	102.31	EPA 3050B

End

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,


Authorized Signatory
(Netra Pawar)

Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).
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**ENVIRO ANALYSTS & ENGINEERS PVT. LTD.**

(NABET, NABL Accredited and MoEFCC Approved)

CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Water Sample Analysis Report

Report No. - EAEPL/W/07/23/00942B			Report Date – 21.07.2023
Name of Customer	M/S. Heer Realty Ventures Pvt. Ltd.		Reference – Verbal
Site Address	'Jai Bhavani Co-op Hsg. Society', S. No. 507(p), Gandhinagar, Pokhran Road No. 2, Village Panchpakhadi, Dist – Thane.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/07/23/00942B (Near Main Gate of Site)	Sample quantity and packing	2 L X 1 No. PVC Can.
		Sample Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	13.07.2023	Date of Receipt	14.07.2023
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	14.07.2023 to 21.07.2023		
Report for the month	July, 2023		

Discipline: Chemical

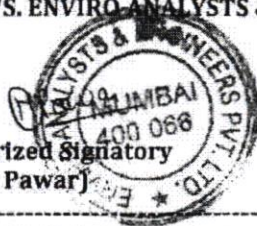
Group: Water

Parameters	Unit	Results	Method
pH	-	7.18	IS 3025 (Part 11) 2022
Total Dissolved Solid	mg / l	286.00	IS 3025 (Part 16) (1984) Reaffirmed 2017
Turbidity	NTU	< 1.00	IS 3025 (Part 10) (1984) Reaffirmed 2017
Alkalinity	mg / l	64.50	IS 3025 (Part 23) (1986) Reaffirmed 2019
Chlorides as Cl	mg / l	58.71	IS 3025 (Part 38) (1989) Reaffirmed 2019
Total Hardness	mg / l	167.35	IS 3025 (Part 21) (2009) Reaffirmed 2019
Calcium	mg / l	41.68	IS 3025 (Part 40) (1991) Reaffirmed 2019
Residual chlorine	mg / l	ND	IS 3025 (Part 26) 2021
Sulphate	mg / l	22.04	IS 3025 (Part 24) Sec1:2022
Nitrate	mg / l	ND	APHA 4500 NO ₃ , B (22 nd Edition)
Fluoride	mg / l	ND	APHA 4500 F, D (22 nd Edition)
Heavy Metals:			
Iron (Fe)	mg / l	ND	IS 3025 (Part 2) 2019
Copper (Cu)	mg / l	ND	IS 3025 (Part 2) 2019
Zinc (Zn)	mg / l	ND	IS 3025 (Part 2) 2019
Lead (Pb)	mg / l	ND	IS 3025 (Part 2) 2019
Chromium (Cr)	mg / l	ND	IS 3025 (Part 2) 2019

Note: ND - Not Detected

End

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,


Authorized Signatory
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**ENVIRO ANALYSTS & ENGINEERS PVT. LTD.**

(NABET, NABL Accredited and MoEFCC Approved)

CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Water Sample Analysis Report

Report No. - EAEPL/W/07/23/00942B			Report Date - 21.07.2023
Name of Customer	M/S. Heer Realty Ventures Pvt. Ltd.		
Site Address	'Jai Bhavani Co-op Hsg. Society', S. No. 507(p), Gandhinagar, Pokhran Road No. 2, Village Panchpakhadi, Dist - Thane.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/07/23/00942B (Near Main Gate of Site)	Sample quantity and packing	250 ml X 1 No. St PP. bottle
		Sample Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	13.07.2023	Date of Receipt	14.07.2023
Sampling Procedure	EAEPL/LAB/MB/SOP/17		
Period of Analysis	14.07.2023 to 21.07.2023		
Report for the month	July, 2023		

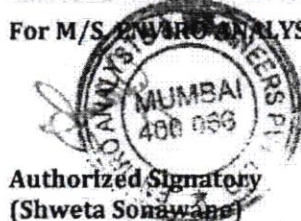
Discipline: Biological

Group: Water

Parameters	Unit	Results	Method
Microbiological Analysis:			
Coliforms	MPN/100ml	< 2	IS 1622:1981 Reaffirmed (2019)
E coli	MPN/100ml	< 2	IS 1622:1981 Reaffirmed (2019)

End

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,



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Ambient Air Quality Monitoring Report

Report No. - EAEPL/A/07/23/00942A		Report Date - 21.07.2023	
Name of Customer	M/S. Heer Realty Ventures Pvt. Ltd.		Reference – Verbal
Site Address	'Jai Bhavani Co-op Hsg. Society', S. No. 507(P), Gandhinagar, Pokhran Road No. 2, Village Panchpakhadi, Dist – Thane.		
Nature and Description of Sample	Ambient Air	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/A/07/23/00942A (Near Centreside of Site)	Sample quantity and packing	PM ₁₀ = 1 * 1 No. Filter paper. PM _{2.5} = 1 * 1 No. Filter paper. SO ₂ = 30ml * 2 Nos. PVC bottle. NO _x = 30ml * 2 Nos. PVC bottle.
		Sample Preservation	Filter papers – Transported and stored in desiccator. PVC bottles - Transported and stored at 5°C (±1 °C).
Date of Sampling	13.07.2023	Date of Receipt	14.07.2023
Sampling Procedure	EAEPL/LAB/SOP/01		
Period of Analysis	14.07.2023 to 15.07.2023		
Report for the month	July, 2023		

Discipline: Chemical

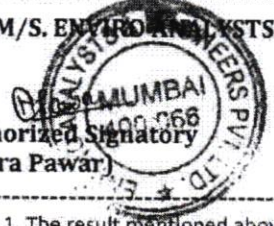
Group: Atmospheric Pollution

Environmental Conditions			
Ambient Air Temperature (°C)	Relative humidity (%)	Duration of Monitoring	
33.0	68.0	8 Hours	
RESULTS			
Tests Parameter	Results	NAAQS LIMITS	METHOD
R.S.P.M (PM ₁₀) (µg/m ³)	82.14	100 µg/m ³	IS 5182 (Part 23) 2006 Reaffirmed 2017
R.S.P.M (PM _{2.5}) (µg/m ³)	36.24	60 µg/m ³	IS 5182 (Part 24) 2019
SO ₂ (µg/m ³)	20.72	80 µg/m ³	IS 5182 (Part 2) 2001 Reaffirmed 2017
NOx (µg/m ³)	23.19	80 µg/m ³	IS 5182 (Part 6) 2006 Reaffirmed 2017

Remark: All the measured values are within NAAQS limits.

End

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,


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 (Netra Pawar)

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CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

Ambient Noise Level Monitoring Report

Report No. - EAEPL/N/07/23/00942D			Report Date - 21.07.2023
Name of Customer	M/S. Heer Realty Ventures Pvt. Ltd.		Reference – Verbal
Site Address	'Jai Bhavani Co-op Hsg. Society', S. No. 507(P), Gandhinagar, Pokhran Road No. 2, Village Panchpakhadi, Dist – Thane.		
Nature and Description of Sample	Noise	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/N/07/23/00942D	Sample quantity and packing	Not Applicable
Date of Sampling	13.07.2023	Date of Receipt	Not Applicable
Sampling Procedure	EAEPL/LAB/SOP/04		
Period of Analysis	Not Applicable		
Report for the month	July, 2023		

Discipline: Chemical

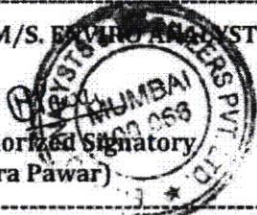
Group: Atmospheric Pollution

Monitoring Locations	Units	Results		CPCB Norms	
		Day Time	Night Time	Day	Night
Near Main Gate of Site	dB(A) Leq.	54.1	44.6	55	45
Near Centreside of Site	dB(A) Leq.	53.7	43.5	55	45
Near Backside of Site	dB(A) Leq.	53.9	44.1	55	45
Near Site Office	dB(A) Leq.	54.2	43.7	55	45

Remark: The noise level was observed to be within CPCB limits at all of the location.

End

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,


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