

TEST REPORT

ISSUED TO: M/s SHIVRANJANI PROPERTIES LLP

ULR NO. :

REPORT NO. : UT/ELS/REPORT/ C-103 /04 -2024

ISSUE DATE : 19/04/2024

YOUR REF. : Work Order Letter

REF. DATE : 16/06/2023

For Project: "PARK ROYALE"

Plot Bearing CTS Nos. 124,125,126 of village Marol,

Tal. Andheri, Mumbai.

SAMPLE PARTICULARS :

Sampling Plan Ref. No.: C- 27/04-2024

Sampling Procedure : UT/LQMS/SOP/AA01A

Date & Time of Sampling : 11/04/2024 09:30 Hrs. to
12/04/2024 09:30 Hrs.

Sample Registration Date : 12/04/2024

Analysis Starting Date : 12/04/2024

Analysis Completion Date : 14/04/2024

Ambient Air Temperature : 28.5 °C to 34.4 °C

Relative Humidity : 58.4 % to 62.1 %

Sample Collected By : ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

AMBIENT AIR QUALITY MONITORING

Location Code : 1

Sample Location : Near Main Gate

GPS Co-ordinates :

Height of Sampler : 1 Meter

Sampling Duration : 24:00 Hours:Minutes

Sample Lab Code : UT/ELS/C-201/04-2024

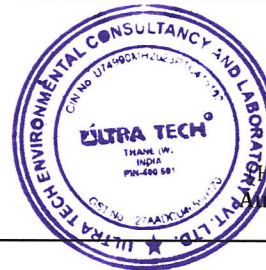
Sr. No.	Test Parameter	Test Method	Test Result	Unit	NAAQMS Industrial, Residential, Rural and Other Area 24 Hrs. [^] or 1 Hr. [^]
1	Sulphur Dioxide (SO ₂)	IS 5182 (Part 2) : 2023	16	µg/m ³	80
2	Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6) : 2006	24	µg/m ³	80
3	Particulate Matter (PM ₁₀)	EPA/625/R-96/010a Compendium Method IO-2.1	78	µg/m ³	100
4	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) : 2019	29	µg/m ³	60
5	Carbon Monoxide (CO) ⁺	IS 5182 (Part 10) : 1999	1.4	mg/m ³	4

†: Sampling Period 1 Hr.

Remark/ Statement of Conformity: The parameters tested above are found to be within 24 hourly TWA of National Ambient Air Quality Monitoring Standard (NAAQMS), Part III- Section IV.

Sampling Equipment Details	Instrument Used	Lab ID	Make	Model	Sl. No.	Calibration Valid up to
	Fine Dust Sampler	UT/LAB/106	Polltech	PEM-ADS 2.5/10µ	18213	30/12/2024
	Respirable Dust Sampler	UT/LAB/108	Polltech	PEM-RDS 8NL	3313	18/09/2024

- Note: 1. This test report refers only to the sample tested and observed values are relevant to sample collected only.
2. This test report may not be reproduced in part, without the permission of this laboratory.
3. Any correction invalidates this test report.
4. Samples were collected by following laboratory's SOP (UT/LQMS/SOP/AA01A) based on CPCB Guidelines - National Ambient Air Quality Monitoring Series: NAAQMS/2003-04 and respective test methods.
5. Weather during sampling was Sunny & Clear
6. [^]Time weighted average shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive monitorings.



Authorized By:

Meghan Patil
Head of Laboratory
Authorized Signatory

- END OF TEST REPORT -

TEST REPORT

ISSUED TO: . M/s SHIVRANJANI PROPERTIES LLP
 For Your Site : **"PARK ROYALE"**
 Plot Bearing CTS Nos. 124,125,126 of village Marol,
 Tal. Andheri, Mumbai.

ULR NO. :
REPORT NO. : UT/ELS/REPORT/C-104/04-2024
ISSUE DATE : 19/04/2024
YOUR REF. : Work Order Letter
REF. DATE : 16/06/2023

SAMPLE PARTICULARS :

Sampling Plan Ref. No. : C-27/04-2024
Date of Monitoring : 11/04/2024

NOISE LEVEL QUALITY MONITORING

Sample Lab Code : UT/ELS/C-202/04-2024
Survey Done By : ULTRA-TECH

Sr. No.	Location	Noise Level Reading in dB(A)			
		Time (Hrs)	Day dB(A)	Time (Hrs)	Night dB(A)
01.	Near main Gate	15:00 to 15:05	54.8	22:00 to 22:05	44.4

Opinions / Interpretations: *The Noise Pollution (Regulation And Control) Rules, 2000: Is Provided as Annexure II for Your Reference. (Turnover to find Annexure).*

Note: 1. Monitoring area coming under Residential Area.
 2. Noise level monitored is an average for period as stated above, the permissible sound pressure level is to be determined with respect to the total time a workman is being exposed (continuously or a number of short term exposures per day) in Hrs.

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Sound Level Meter	Make - Casella; Model - CEL-633C; Sr. no. 2382959	Valid up to - 01/12/2024

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- END OF REPORT -



Authorized By

(Signature)
 Meghan Patil

Head Of Laboratory)

(Authorized Signatory)

ANNEXURE-II

THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000

(The Principal Rules were published in the Gazette of India, vide S.O. 123(E), dated 14.2.2000 and subsequently amended vide S.O. 1046(E), dated 22.11.2000, S.O. 1088(E), dated 11.10.2002, S.O. 1569 (E), dated 19.09.2006 and S.O. 50 (E) dated 11.01.2010 under the Environment (Protection) Act, 1986.)

• SCHEDULE

(See rule 3(1) and 4(1))

Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area / Zone	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

- Note:
1. Day time shall mean from 6.00 a.m. to 10.00 p.m.
 2. Night time shall mean from 10.00 p.m. to 6.00 a.m.
 3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
 4. 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.

A "decibel" is a unit in which noise is measured.

"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

Leq: It is energy mean of the noise level over a specified period.

• CONSTRUCTION ACTIVITIES

The maximum noise levels near the construction site should be limited to 75 dB(A) Leq(5 min.) in industrial areas and to 65 dB(A) Leq(5 min.) in other areas.

• THE PERMISSIBLE LEVELS FOR NOISE EXPOSURE FOR WORK ZONE

(The Model Rules Of The Factories Act, 1948)

Peak sound pressure level in dB	Permitted number of impulses or impact/day
140	100
135	315
130	1000
125	3160
120	10000

- Notes:
1. No exposure in excess of 140 dB peak sound pressure level is permitted.
 2. For any peak sound pressure level falling in between any figure and the next higher or lower figure as indicated in column 1, the permitted number of impulses or impacts per day is to be determined by extrapolation on a proportionate basis.

Total time exposure (continuous or a number of short term exposures per day) in Hrs	Sound Pressure Level in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/8	108
1/16	111
1/32 (2 minutes) or less	114

- Notes:
1. No exposure in excess of 115 dB(A) is to be permitted.
 2. For any period of exposure falling in between any figure and the next higher or lower figure as indicated in column 1, the permissible sound pressure level is to be determined by extrapolation on a proportionate basis.



ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD

[A Venture of ULTRA TECH Environmental Consultancy & Laboratory]

Lab. Accredited by NABL-ISO/IEC 17025:2017, TC-5600 [Valid up to 03/08/2024]

Lab. Recognized by CPCB, MoEF&CC [GOI] under EP(A)-1986

ISO 9001:2015 & ISO 45001:2018 Certified

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TEST REPORT

ISSUED TO:	M/s SHIVRANJANI PROPERTIES LLP	ULR NO.	:	
		REPORT NO.	:	UT/ELS/REPORT/ C-105 /04 - 2024
		ISSUE DATE	:	19/04/2024
		YOUR REF.	:	Work Order Letter
		REF. DATE	:	16/06/2023

For Project: "PARK ROYALE"
Plot Bearing CTS Nos. 124,125,126 of village Marol,
Tal. Andheri, Mumbai.

SAMPLE PARTICULARS	:	SOIL SAMPLE ANALYSIS
Sampling Plan Ref. No.:	C- 27/04-2024	Sample Type : Soil
Sampling Procedure	UT/LQMS/SOP/S01A	Sample Location : At project site
Date & Time of Sampling	11/04/2024 17:00 Hrs.	
Sample Registration Date	12/04/2024	
Analysis Starting Date	12/04/2024	
Analysis Completion Date	19/04/2024	Sample Quantity & : 1 Kg. in Ziplock Plastic Bag. (Approximately)
Sample Lab Code	UT/ELS/C -203/04-2024	Packaging Details
Sample Collected By	ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.	

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1	pH [1:2.5 Soil:Water]	IS 2720 (Part 22):1972	7.9	-
2	Electrical Conductivity [1:2 Soil:Water]	IS 14767:2000	766	µS/cm
3	Bulk Density	SOP No. UT/LQMS/SOP/S03	1161	kg/m ³
4	Moisture Content	IS 2720 (Part 02):1973	4.8	%
5	Organic Matter	IS 2720 (Part 22):1972	0.9	%
6	Organic Carbon	IS 2720 (Part 22):1972	0.5	%
7	Water Holding Capacity	SOP No. UT/LQMS/SOP/S12	54.9	%
8	Cation Exchange Capacity	SOP No. UT/LQMS/SOP/S18	25.3	meq/100g
9	Sodium Adsorption Ratio	SOP No. UT/LQMS/SOP/S26	1.1	(meq/kg) ^(0.5)
10	Sodium as Na	SOP No. UT/LQMS/SOP/S19	163	mg/kg
11	Magnesium as Mg	SOP No. UT/LQMS/SOP/S22	84	mg/kg
12	Chlorides as Cl	SOP No. UT/LQMS/SOP/S23	137	mg/kg
13	Sulphate as SO ₄	SOP No. UT/LQMS/SOP/S24	133	mg/kg
14	Boron as B (Available)	SOP No. UT/LQMS/SOP/S27	0.8	mg/kg
15	Phosphorous as P ₂ O ₅ (Available)	SOP No. UT/LQMS/SOP/S28	71	kg/ha [†]
16	Potassium as K ₂ O (Available)	SOP No. UT/LQMS/SOP/S29	208	kg/ha [†]
17	Nitrogen as N (Available)	SOP No. UT/LQMS/SOP/S30	184	kg/ha [†]
18	Iron as Fe	SOP No. UT/LQMS/SOP/S35&S37	71245	mg/kg
19	Zinc as Zn	SOP No. UT/LQMS/SOP/S35&S37	92	mg/kg

Remark/ Statement of Conformity: Nil

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 4. Sample was collected using laboratory's SOP (UT/LQMS/SOP/S01A) based on Manual on Sampling, Analysis and Characterization of Hazardous Wastes, CPCB, New Delhi.
 5. Test results reported with unit/s † are obtained from scientific conversions/calculations applied to test results in mg/kg.



Authorized By:

Manasi Namjoshi
Manasi Namjoshi
(Technical Manager)
Authorized Signatory

- END OF TEST REPORT -

