

**ENVIRONMENTAL MONITORING REPORT****LABORATORY TEST REPORT – STACK****REPORT NO.: DEC19/211/16****SAMPLE DETAILS**

1.	Name & Address of Client: Choise Real Estate Pvt Ltd., Pratham Appt Bawal, Rewari, Haryana.		
2.	Sample ID: 1940298115 - 211DC19SE01	3.	Client Representative: -
4.	Sample Date: 09.12.2019	5.	Sampling Location: D.G.Set -1
6.	Sampling Time: 12:00 hr	7.	Sampling Duration: 20 Min
8.	Analysis commenced on: 18.12.2019	9.	Analysis Completed on: 19.12.2019
10.	Reporting Date: 10.01.2019	11.	Sample Collected By : Mr. Ratan Rai
12.	Test Requirement: Stack Air Monitoring	13.	Sampling Procedure: IS Method
14.	Description of Sample:	Sampling Bottles: Sealed ✓	Thimble: Packed ✓ Bladder: Clamped

STACK DETAILS

S. No.	Parameters	Unit (SI)		Description
1.	Source		:	D.G.Set -1
2.	Height	m	:	3
3.	Diameter	mm	:	-
4.	Temperature	°C	:	80
5.	Velocity	m/s	:	6.617
6.	Type of fuel used	-	:	Diesel
7.	Quantity of fuel used	-	:	-

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Particulate Matter	mg/Nm ³	:	69	N.A	IS 11255 (Part 1) : 1985
2.	Sulphur Dioxide(SO ₂)	ppm	:	7.37	N.A	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	ppm	:	15.73	N.A	IS 5182 (Part 6) :2006

Remark:**Authorized By -****Name : R. G. Kotasthane****Designation: Technical Manager****NOTE:**

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- 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

LABORATORY TEST REPORT FORMAT

DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 01
Effective Date: 20.12.2019	Issue Date: 01-01-2015	Revision Date: 20.12.2019

KADAM ENVIRONMENTAL CONSULTANTS

An ISO 9001 -2015 Certified Company

(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.

Phone : (O) 0265 - 6131000, 6131001

ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT - AMBIENT

REPORT NO.: DEC19/211/16

SAMPLE DETAILS

1.	Name & Address of Client: Choise Real Estate Pvt Ltd., Pratham Appt Bawal, Rewari, Haryana.			
2.	Sample ID: 1940298115 - 211DC19AQ04	3.	Client Representative	
4.	Sampling Date: 09.12.2019	5.	Sampling Location: At Site	
6.	Sampling time: 10:00 hr	7.	Sampling Duration: 24 Hrs	
8.	Analysis commenced on: 18.12.2019	9.	Analysis Completed on: 19.12.2019	
10.	Reporting Date: 10.01.2020	11.	Sample Collected By : Mr. Ratan Rai	
12.	Test Requirement: Ambient Air Quality Monitoring	13.	Sampling Procedure: IS Method	
14.	Description of Sample:	Sampling Bottles: Sealed ☒	Filter Paper: Packed ☒	Bladder: Clamped
15.	Environment Condition:	Temp: Normal	Humidity: Medium	Wind speed: Moderate
	Rain: No Rain	Wind Direction: Core Area	Wind blowing from: -	Cloud cover: Low
				Station category: Residential

TEST RESULTS

S.No	Parameters	Unit	Results	Specification/ SPCB Norms	Method Used
1.	PM ₁₀	µg /m ³	: 230	100	IS 5182 (Part 23) :2006
2.	PM _{2.5}	µg /m ³	: 89	60	Guideline by SPCB
3.	Sulphur Dioxide (SO ₂)	µg /m ³	: 8.3	80	IS 5182 (Part 2) : 2001
4.	Oxides of Nitrogen (NO _x)	µg /m ³	: 17.2	80	IS 5182 (Part 6) : 2006

Remark :

Authorized By -

Name : R. G. Kotasthane

Designation: Technical Manager

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-----END OF REPORT-----

LABORATORY TEST REPORT FORMAT

DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 01
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ENVIRONMENTAL MONITORING REPORT

REPORT NO.: DEC19/211/18

LABORATORY TEST REPORT – WATER

SAMPLE DETAILS

1.	Name & Address of Client: Choise Real Estate Pvt Ltd., Pratham Appt Bawal,Rewari,Haryana.		
2.	Sample ID: 1940298115 – 211DC19GW05	3.	Client Representative: -
4.	Sample Date: 09.12.2019	5.	Sample Collected By: Mr. Ratan Rai
6.	Analysis commenced on: 18.12.2019	9.	Analysis Completed on : 06.01.2020
8.	Reporting Date: 10.01.2020	9.	Test Requirement: Water Analysis
10.	Packing Condition & Quantity: Sealed ✓	11.	Sample Category: Grab
12.	Sampling Location: Ground Water – 1		

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	IS 10500 : 2012 Standard Limits for Drinking Water		Method Used
				Acceptable Limits	Permissible Limits	
1.	pH		8.05	6.5-8.5	NR	APHA: (4500-H+ B) 23rd Edition
2.	Temperature	°C	27.5	NS	NS	APHA: (2550- B) 23rd Edition
3.	Turbidity	NTU	<0.1	1	5	APHA: (2230 – B) 23rd Edition
4.	Total Dissolved Solids	mg/L	1132	500	2000	APHA: (2540 C) 23rd Edition
5.	Conductivity	µmhos/cm	1820	NS	NS	APHA: (2510 B) 23rd Edition
6.	COD	mg/L	<5	NS	NS	APHA: (5220 B) 23rd Edition
7.	BOD	mg/L	<2	NS	NS	IS 3025 PP-44
8.	Ammonical Nitrogen	mg/L	<0.01	NS	NS	IS : 3025 (PP 34)
9.	Phenolic Compound	mg/L	<0.001	0.001	0.002	APHA: (5530 D) 23rd Edition
10.	Chlorides	mg/L	170	250	1000	APHA: (4500 Cl B) 23rd Edition
11.	Sulphates	mg/L	436	200	400	APHA: (4500 SO ⁴ E) 23rd Edition
12.	SAR		2.51	NS	NS	Flamephotometric & EDTA
13.	Total Hardness	mg/L	170	200	600	APHA: (2340 – C) 23rd Edition
14.	Calcium Hardness	mg/L	56	NS	NS	APHA: (3500 – Ca-b) 23rd Edition
15.	Magnesium Hardness	mg/L	114	NS	NS	APHA: (3500 Mg-B) 21st Edition
16.	Alkalinity	mg/L	250	200	600	APHA: (2320 B) 23rd Edition
17.	Nitrate	mg/L	4.93	45	NR	APHA: (418 – D) 16th Edition
18.	Fluoride	mg/L	<0.05	1	1.5	APHA: (4500 F D) 23rd Edition
19.	Sodium	mg/L	75.6	NS	NS	APHA: (3500 Na– B) 23rd Edition
20.	Potassium	mg/L	1.3	NS	NS	APHA: (3500 K– B) 23rd Edition
21.	Calcium	mg/L	22.4	75	200	APHA: (3500 – Ca-b) 23rd Edition
22.	Magnesium	mg/L	27.7	30	100	APHA: (3500 Mg-B) 23rd Edition
23.	Salinity	mg/L	306	NS	NS	APHA: (4500 Cl B) 23rd Edition
24.	Total Nitrogen	mg/L	1.15	0.5	NR	IS 3025 (PP34)
25.	Total Phosphorous	mg/L	<0.02	NS	NS	APHA: (4500 P-D) 23rd Edition
26.	DO	mg/L	2.4	NS	NS	APHA: (4500 -Oc) 23rd Edition
27.	Heavy Metals					
a.	Arsenic	mg/L	<0.01	0.01	0.05	APHA: (3500 As –B) 23rd Edition
b.	Cadmium	mg/L	<0.003	0.003	NR	APHA: (3500 – Cd) 23rd Edition
c.	Chromium	mg/L	<0.02	0.05	NR	APHA: (3500 – Cr-B) 23rd Edition
d.	Copper	mg/L	<0.03	0.05	1.5	APHA: (3500 Cu A) 23rd Edition
e.	Cyanide	mg/L	<0.03	0.05	NR	APHA: (4500 CN E) 23rd Edition
f.	Iron	mg/L	<0.05	0.3	NR	APHA: (3500 – Fe-B) 23rd Edition
g.	Lead	mg/L	<0.01	0.01	NR	APHA: (3500 pb A) 23rd Edition
h.	Mercury	mg/L	<0.001	0.001	NR	APHA: (3500 Hg) 23rd Edition
i.	Manganese	mg/L	<0.02	0.1	0.3	APHA: (3500 – Mn-A) 23rd Edition
j.	Nickel	mg/L	<0.02	0.02	NR	APHA: (3500 Ni) 23rd Edition
k.	Zinc	mg/L	<0.03	5	15	APHA: (3500 Zn A) 23rd Edition
28.	Total Coliform	/100ml	Absent	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample	APHA: (9221-D) 23rd Edition
29.	Fecal Coliform	/100ml	Absent			APHA: (9221-D) 23rd Edition

Remark :

Authorised By -

Name : R. G. Kotasthane

Designation: Technical Manager

- NOTE :
- 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
 - 2) Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.
 - 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

LABORATORY TEST REPORT FORMAT

DOC. NO.: LAB-FMT-055	Issue No.: 02	Revision No.: 01
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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - SOIL

REPORT NO.: DEC19/211/19

SAMPLE DETAILS

1.	Name & Address of Client: Choise Real Estate Pvt Ltd., Pratham Appt Bawal, Rewari, Haryana.		
2.	Sample ID: 1940298115 - 211DC19ST05	3.	Client Representative: -
4.	Sampling Date: 09.12.2019	5.	Sampling Location: At Site
6.	Analysis commenced on: 18.12.2019	7.	Analysis Completed on: 06.01.2020
8.	Reporting Date: 10.01.2020	9.	Sample Collected By: Mr. Ratan Rai
10.	Test Requirement: Soil Sample Analysis		
11.	Description of Sample:	Packed and sealed in polythene bags.	

PARAMETERS DETAILS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms	Method Used
1.	Porosity	%	:	50	N.A.	IS 2720 (Part 7):1980
2.	Water Holding Capacity	%	:	47.06	N.A.	Taken from Standard Textbook
3.	Permeability	mm/hr	:	21.13	N.A.	IS 2720 (Part 17):1986
	Particle Size		:		N.A.	
a.	Sand	%	:	58	N.A.	IS 2720 IV (Hydrometer Method)
b.	Clay	%	:	11	N.A.	IS 2720 IV (Hydrometer Method)
c.	Silt	%	:	31	N.A.	IS 2720 IV (Hydrometer Method)
4.	Texture	-	:	Sandy Loam	N.A.	IS 2720 IV (Hydrometer Method)
5.	Cation Exchange Capacity	meq/100gm	:	18.50	N.A.	IS 2720 (Part-XXIV)
6.	Electrical Conductivity	µmohs/cm	:	334	N.A.	IS 14767: 2000
7.	SAR	-	:	1.40	N.A.	After Leachate Formation, Flamephotometric & EDTA Method.
8.	pH		:	7.38	N.A.	IS 2720 (Part 26):1987
9.	Calcium	gm/kg	:	0.24	N.A.	APHA: (3500 Ca-B) 23 rd Edition
10.	Magnesium	gm/kg	:	0.19	N.A.	APHA: (3500 Mg-B) 23 rd Edition
11.	Sodium	gm/kg	:	0.54	N.A.	APHA: (3500 Na-B) 23 rd Edition
12.	Available K	%	:	0.0097	N.A.	APHA: (3500 K-B) 23 rd Edition
13.	Available N	%	:	0.10	N.A.	Taken from Standard Textbook
14.	Available P	%	:	0.06	N.A.	Taken from Standard Textbook
15.	Organic Matter	%	:	0.57	N.A.	IS:2720(Part 22)1972

Remark : 5 % leachate solution prepared in DM Water W/v.

Authorised By -

Name : R.G.Kotasthane

Designation: Technical Manager

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-----END OF REPORT-----

LABORATORY TEST REPORT FORMAT

DOC. NO.: LAB-FMT-054	Issue No.: 02	Revision No.: 01
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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT - NOISE

REPORT NO.: DEC19/211/20

SAMPLE DETAILS

1.	Name & Address of Client: Choise Real Estate Pvt Ltd., Pratham Appt Bawal,Rewari,Haryana.		
2.	Sample ID: 1940298115 -	3.	Client Representative: -
4.	Sampling Date: 10.12.2019	5.	Sampling time: -
6.	Sampling Duration: -	7.	Reporting Date: -
8.	Reporting Date: 10.01.2020	9.	Sample Collected By: Mr. Ratan Rai
10.	Test Requirement: - Noise Monitoring		

TEST RESULTS

S. No.	Location	Unit (SI)		Day Reading	Night reading	Method
1.	At Site	dB(A)	:	44.2	-	IS 9989:1981

STANDARD

Ambient Air Quality Standards in Respect of NOISE	Area Code	Category	Limits in dB(A) Leq*	
			Daytime	Nighttime
THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000	A	Industrial	75.0	70.0
	B	Commercial	65.0	55.0
	C	Residential	55.0	45.0
	D	Silence	50.0	45.0

Note :

Daytime 6:00 AM to 10:00 PM

Nighttime 10:00 PM to 6:00 AM

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

Remark :

Authorized By -

Name : R.G. Kotasthane

Designation : Technical Manager

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-----END OF REPORT-----

LABORATORY TEST REPORT FORMAT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 00
Effective Date: 01-05-2015	Issue Date: 01-05-2015	Revision Date: 01-05-2015