

EMTRC LAB

(EMTRC CONSULTANTS PRIVATE LIMITED)

F-66, Road No.2, Phase-I, UPSIDC Industrial Area
Masuri Gulawathi Road, Ghazibad (UP)-201009
Recognized by Ministry of Environment & Forests, GOI
Vide Notification No S.O.592 (E) 08.03.2013 to 07.03.2018

TEST REPORT

Issued To – Jubilant Infracon Private Limited
Address – M-11, Middle Circle, Connaught Circus, New Delhi - 110001
Name of Project – 25 Acres SEZ Project, Plot 03
Sector-140A, Noida
Party Code No. --JIPL/29/01
Nature of Sample – Ambient Air Quality Monitoring
Sample Collected by – Scientists of EMTRC

AMBIENT AIR QUALITY TEST RESULTS

	Parameters	Unit	Locations			
			Sector-140 site	Shedra village	Ghadi village	National Standard
Date of Monitoring			20-12-2013	20-12-2013	21-12-2013	
1	PM _{2.5}	µg/m ³	52	47	39	60 (24-hours average)
2	PM ₁₀	µg/m ³	86	76	70	100(24-hours average)
3	Sulphur dioxide (SO ₂)	µg/m ³	13.2	11.5	9.8	80 (24-hours average)
4	Nitrogen dioxide (NO ₂)	µg/m ³	34.8	28.4	23.6	80 (24-hours average)

Test Method- Measurement of Ambient Air Pollutants (Vol-I), CPCB, May 2011

Harmeet K
Prepared by
(Chemist)

Aswani
Checked by
(Sr.Chemist)

M. K. S.
Authorized Signatory
(Government Analyst)

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Address – M-11, Middle Circle, Connaught Circus, New Delhi - 110001
Name of Project – 25 Acres SEZ Project, Plot 03
Sector-140A, Noida
Party Code No. --JIPL/29/02
Nature of Sample – Ground Water
Date of Monitoring – 21-12-2013
Sample Collected by – Scientists of EMTRC

WATER QUALITY TEST RESULTS

	Parameters	Unit	Test Methods	Sector-140A Site	Ghadi village	Permissible limit IS:10500
1	pH	-	APHA-4500	7.54	7.62	6.5 – 8.5
2	Conductivity	µmhos/cm	APHA-2510	910	860	-
3	Turbidity	NTU	APHA-2030B	2	2	10
4	Total Dissolved Solids	mg/l	APHA-2540B	608	580	2000
5	Total Hardness as CaCO ₃	mg/l	APHA-2340C	230	220	600
6	Calcium as Ca	mg/l	APHA-4500B	60	56	200
7	Magnesium as Mg	mg/l	APHA-4500B	19.4	19.4	100
8	Chlorides as Cl	mg/l	APHA-4500B	38	36	1000
9	Nitrates as NO ₃	mg/l	APHA-4500	7.5	8.2	100
10	Fluoride as F	mg/l	APHA-4500D	0.68	0.66	1.5
11	Phosphates as PO ₄	mg/l	APHA-4500C	0.022	0.020	0.3
12	Iron as Fe	mg/l	APHA-3111B	0.018	0.018	1.0
13	Copper as Cu	mg/l	APHA-3111B	<0.02	<0.02	1.5
14	Lead as Pb	mg/l	APHA-3111B	<0.01	<0.01	0.05
15	Manganese as Mn	mg/l	APHA-3111B	<0.05	<0.05	0.3
16	Zinc as Zn	mg/l	APHA-3111B	0.92	0.88	15
17	Chromium	mg/l	APHA-3111B	<0.05	<0.05	0.05
18	Nickel as Ni	mg/l	APHA-3111B	<0.01	<0.01	0.05
19	Oil & Grease	mg/l	APHA-5520D	ND	ND	0.03
20	Cadmium as Cd	mg/l	APHA-3111B	<0.01	<0.01	0.05
21	Mercury as Hg	mg/l	APHA-3111B	<0.001	<0.001	0.001
22	Arsenic as As	mg/l	APHA-3111B	<0.001	<0.001	0.05
23	Selenium as Se	mg/l	APHA-3111B	<0.01	<0.01	0.05
24	Cobalt as Co	mg/l	APHA-3111B	<0.01	<0.01	0.05
25	Total coliform	MPN/100ml	APHA-9230B	Nil	Nil	Nil

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Address – M-11, Middle Circle, Connaught Circus, New Delhi - 110001
Name of Project – 25 Acres SEZ Project, Plot 03
Sector-140A, Noida
Party Code No. --JIPL/29/03
Nature of Sample – Noise Quality
Sample Collected by – Scientists of EMTRC

AMBIENT NOISE LEVEL

Location Name	Date of Monitoring	Day time Leq; dB(A)	Day time Standard Leq; dB(A)	Night time Leq; dB(A)	Night time Standard Leq; dB(A)
Sector-140, site	21-12-2013	52.8	55	42.8	45
Shedra village	21-12-2013	49.6	55	41.4	45
Ghadi village	20-12-2013	50.8	55	41.2	45

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Name of Project - 25 Acres SEZ Project, Plot 03
Sector-140A, Noida
Party Code No. --JIPL/29/04
Nature of Sample - Soil Quality
Date of Monitoring - 21-12-2013
Sample Collected by - Scientists of EMTRC

ANALYSIS RESULTS

	Parameters	Sector-140 A (site)
1	Bulk Density; g/cm ³	1.32
2	Color	Light Brown
3	Organic matter; %	0.52
4	Water Holding Capacity, %	32
5	pH (20% slurry)	8.11
6	Texture	Sandy loam
7	Carbonates, %	NT
9	Bicarbonates, %	0.06
10	Conductivity (20% slurry), μ mhos/cm	360
11	Potassium, %	0.28
12	Phosphorus, %	0.029
13	Nitrogen, %	1.27

N. Anand
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A. Singh
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