

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-----

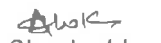
Issued To – Country wide Promoters Pvt. Ltd.
Address – M-11, Middle Circle, Connaught Circus
New Delhi - 110001
Party Code No. -- CPPL/12/01
Name of Project – COMMERCIAL COMPLEX, Village-Daulatabad,
Sector -106, Gurgaon
Nature of Sample – Ambient Air Quality Monitoring
Sample Collected by – Scientists of EMTRC


AMBIENT AIR QUALITY TEST RESULTS

	Parameters	Unit	Locations		
			Project Site	Daultabad Village	National Standard
Date of Monitoring			09-12-2013	09-12-2013	
1	PM _{2.5}	µg/m ³	52	47	60 (24-hours average)
2	PM ₁₀	µg/m ³	86	82	100(24-hours average)
3	Sulphur dioxide (SO ₂)	µg/m ³	11.5	10.4	80 (24-hours average)
4	Nitrogen dioxide (NO ₂)	µg/m ³	40.8	36.6	80 (24-hours average)

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


Prepared by
(Chemist)


Checked by
(Sr.Chemist)


Authorized Signatory
(Government Analyst)

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Address – M-11, Middle Circle, Connaught Circus
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Party Code No. -- CPPL/12/02
Name of Project – COMMERCIAL COMPLEX, Village-Daulatabad,
Sector -106, Gurgaon
Nature of Sample – Ambient Air Quality Monitoring
Sample Collected by – Scientists of EMTRC

AMBIENT AIR QUALITY TEST RESULTS

	Parameters	Unit	Locations		
			Babarpur Village	Dharampur Village	National Standard
Date of Monitoring			10-12-2013	10-12-2013	
1	PM _{2.5}	µg/m ³	43	40	60 (24-hours average)
2	PM ₁₀	µg/m ³	78	74	100(24-hours average)
3	Sulphur dioxide (SO ₂)	µg/m ³	10.2	9.2	80 (24-hours average)
4	Nitrogen dioxide (NO ₂)	µg/m ³	32.8	29.5	80 (24-hours average)

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

Nanvekar
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 Party Code No. -- CPPL/12/03
 Name of Project – COMMERCIAL COMPLEX, Village-Daulatabad,
 Sector -106, Gurgaon
 Nature of Sample – Ground Water
 Date of Monitoring – 10-12-2013
 Sample Collected by – Scientists of EMTRC

WATER QUALITY TEST RESULTS

	Parameters	Unit	Test Methods	Project site	Daultabad village	Permissible limit IS:10500
1	pH	-	APHA-4500	7.48	7.35	6.5 – 8.5
2	Conductivity	µmhos/cm	APHA-2510	5880	4980	-
3	Turbidity	NTU	APHA-2030B	4	4	10
4	Total Dissolved Solids	mg/l	APHA-2540B	3660	3340	2000
5	Total Hardness as CaCO ₃	mg/l	APHA-2340C	1460	1290	600
6	Calcium as Ca	mg/l	APHA-4500B	420	368	200
7	Magnesium as Mg	mg/l	APHA-4500B	99.6	89.9	100
8	Chlorides as Cl	mg/l	APHA-4500B	1320	1110	1000
9	Nitrates as NO ₃	mg/l	APHA-4500	13.8	12.5	100
10	Fluoride as F	mg/l	APHA-4500D	0.88	0.74	1.5
11	Phosphates as PO ₄	mg/l	APHA-4500C	0.24	0.28	0.3
12	Iron as Fe	mg/l	APHA-3111B	0.14	0.12	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	1.5	1.3	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	Nil	Nil	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

Navneet K.R.
 Prepared by
 (Chemist)

A. K. K.
 Checked by
 (Sr. Chemist)

H. K. K.
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 (Government Analyst)

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Party Code No. -- CPPL/12/04
Name of Project – COMMERCIAL COMPLEX, Village-Daulatabad,
 Sector -106, Gurgaon
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)
Project Site	10-12-2013	52.6	55	42.2	45
Daulatabad village	10-12-2013	49.8	55	41.6	45
Babarpur village	09-12-2013	50.4	55	41.4	45
Dharampur village	09-12-2013	49.2	55	41.2	45

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Party Code No. --CPPL/12/05
Name of Project –COMMERCIAL COMPLEX, Village-Daulatabad,
Sector -106, Gurgaon
Nature of Sample – Soil Quality
Date of Monitoring – 10-12-2013
Sample Collected by – Scientists of EMTRC

ANALYSIS RESULTS

	Parameters	Soil sample Project site
1	Bulk Density; g/cm ³	1.34
2	Color	Dark Brown
3	Organic matter; %	0.62
4	Water Holding Capacity, %	34
5	pH (20% slurry)	7.96
6	Texture	Sandy loam
7	Carbonates, %	NT
9	Bicarbonates, %	0.05
10	Conductivity (20% slurry), μ mhos/cm	490
11	Potassium, %	0.29
12	Phosphorus, %	0.032
13	Nitrogen, %	1.36

N. Anand
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A. Singh
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M. J. Singh
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