

# 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

Name of Party – M/S Countrywide Promoters Private Limited  
 Address – M-11, Middle Circle, Connaught Circus  
 New Delhi - 110001  
 Name of Project – Residential Plotted Colony at Sector -70 and 70A Gurgaon  
 Party Code No. – CPPL/12/01  
 Nature of Sample – Ambient Air Quality Monitoring  
 Sample Collected by – Scientists of EMTRC

### AMBIENT AIR QUALITY TEST RESULTS

	Parameters	Unit	Locations		
			Near Front Gate	Near DG Set	National Standard
Date of Monitoring			21-12-2013	21-12-2013	
1	PM <sub>2.5</sub>	µg/m <sup>3</sup>	48	50	60 (24-hours average)
2	PM <sub>10</sub>	µg/m <sup>3</sup>	82	86	100(24-hours average)
3	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	11.8	12.6	80 (24-hours average)
4	Nitrogen dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	34.8	36.2	80 (24-hours average)

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

*Namrath*  
 Prepared by  
 (Chemist)

*Ashok*  
 Checked by  
 (Sr.Chemist)

*Mukul*  
 Authorized Signatory  
 (Government Analyst)

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 Party Code No. – CPPL/12/01  
 Nature of Sample – Ambient Air Quality Monitoring  
 Sample Collected by – Scientists of EMTRC

### AMBIENT AIR QUALITY TEST RESULTS

	Parameters	Unit	Locations		
			Badshahpur Village	Palra Village	National Standard
Date of Monitoring			22-12-2013	22-12-2013	
1	PM <sub>2.5</sub>	µg/m <sup>3</sup>	46	44	60 (24-hours average)
2	PM <sub>10</sub>	µg/m <sup>3</sup>	78	75	100(24-hours average)
3	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	10.8	9.6	80 (24-hours average)
4	Nitrogen dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	30.6	28.4	80 (24-hours average)

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

*Hauweetkr*  
 Prepared by  
 (Chemist)

*Ashok*  
 Checked by  
 (Sr.Chemist)

*M. K. Singh*  
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 Name of Project – Residential Plotted Colony at Sector -70and 70A Gurgaon  
 Party Code No. --CPPL/12/01  
 Nature of Sample – Ground Water  
 Date of Monitoring – 22-12-2013  
 Sample Collected by – Scientists of EMTRC

### WATER QUALITY TEST RESULTS

	Parameters	Unit	Test Methods	Project site	Badshahpur village	Permissible limit IS:10500:1991
1	pH	-	APHA-4500	7.48	7.59	6.5 – 8.5
2	Conductivity	µmhos/cm	APHA-2510	970	690	-
3	Turbidity	NTU	APHA-2030B	2	2	10
4	Total Dissolved Solids	mg/l	APHA-2540B	734	518	2000
5	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA-2340C	310	230	600
6	Calcium as Ca	mg/l	APHA-4500B	68	44	200
7	Magnesium as Mg	mg/l	APHA-4500B	34	29.2	100
8	Chlorides as Cl	mg/l	APHA-4500B	186	24	1000
9	Nitrates as NO <sub>3</sub>	mg/l	APHA-4500	9.0	7.2	100
10	Fluoride as F	mg/l	APHA-4500D	0.72	0.65	1.5
11	Phosphates as PO <sub>4</sub>	mg/l	APHA-4500C	0.028	0.020	0.3
12	Iron as Fe	mg/l	APHA-3111B	0.96	0.026	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	0.52	0.84	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	<0.025	<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

*Handwritten Signature*  
 Prepared by  
 (Chemist)

*Handwritten Signature*  
 Checked by  
 (Sr.Chemist)

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Name of Project – Residential Plotted Colony at Sector -70 and 70A Gurgaon  
Party Code No. – CPPL/12/01  
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)
Near Front Gate	22-12-2013	53.2	55	42.8	45
Near DG Set	22-12-2013	53.8	55	43.4	45
Badshahpur	21-12-2013	50.6	55	42.2	45
Palra	21-12-2013	49.4	55	41.8	45

*Naveetika*  
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*Mudgal*  
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(Government Analyst)

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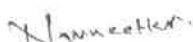
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Party Code No. – CPPL/12/01  
Nature of Sample – Soil Quality  
Date of Monitoring – 22-12-2013  
Sample Collected by – Scientists of EMTRC

### ANALYSIS RESULTS

	Parameters	Soil sample Project site
1	Bulk Density; g/cm <sup>3</sup>	1.29
2	Color	Brown
3	Organic matter; %	0.44
4	Water Holding Capacity, %	33
5	pH (20% slurry)	8.02
6	Texture	Sandy loam
7	Carbonates, %	NT
9	Bicarbonates, %	0.0575
10	Conductivity (20% slurry), $\mu\text{mhos/cm}$	280
11	Potassium, %	0.29
12	Phosphorus, %	0.026
13	Nitrogen, %	1.30

  
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