

# 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 – Countrywide Promoters Private Limited  
Address – M-11, Middle Circle, Connaught Circus  
New Delhi - 110001  
Name of Project – Plotted Colony at Sector-82-88, 89 Faridabad  
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		
			Project site	Budena village	National Standard
Date of Monitoring			17-12-2013	17-12-2013	
1	PM <sub>2.5</sub>	µg/m <sup>3</sup>	49	39	60 (24-hours average)
2	PM <sub>10</sub>	µg/m <sup>3</sup>	82	70	100(24-hours average)
3	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	12.6	11.2	80 (24-hours average)
4	Nitrogen dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	29.8	26.6	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  
 New Delhi - 110001  
 Name of Project – Plotted Colony at Sector-82-88, 85 Faridabad  
 Party Code No. --CPPL/12/02  
 Nature of Sample – Ambient Air Quality Monitoring  
 Sample Collected by – Scientists of EMTRC

### AMBIENT AIR QUALITY TEST RESULTS

	Parameters	Unit	Locations		
			Bhatola village	Nigaon village	National Standard
Date of Monitoring			18-12-2013	18-12-2013	
1	PM <sub>2.5</sub>	µg/m <sup>3</sup>	42	39	60 (24-hours average)
2	PM <sub>10</sub>	µg/m <sup>3</sup>	72	70	100(24-hours average)
3	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	11.5	10.6	80 (24-hours average)
4	Nitrogen dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	26.8	24.4	80 (24-hours average)

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

*Harveet Singh*  
 Prepared by  
 (Chemist)

*Ashish*  
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 (Sr.Chemist)

*H. K. Singh*  
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 Name of Project – Plotted Colony at Sector-82-88, 89 Faridabad  
 Party Code No. --CPPL/12/03  
 Nature of Sample – Ground Water  
 Date of Monitoring – 18-12-2013  
 Sample Collected by – Scientists of EMTRC

### WATER QUALITY TEST RESULTS

	Parameters	Unit	Test Methods	Budhena village	Project site	Permissible limit IS:10500
1	pH	-	APHA-4500	7.42	7.67	6.5 – 8.5
2	Conductivity	µmhos/cm	APHA-2510	1230	1670	-
3	Turbidity	NTU	APHA-2030B	3	3	10
4	Total Dissolved Solids	mg/l	APHA-2540B	900	1120	2000
5	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA-2340C	270	310	600
6	Calcium as Ca	mg/l	APHA-4500B	64	76	200
7	Magnesium as Mg	mg/l	APHA-4500B	26.7	29.2	100
8	Chlorides as Cl	mg/l	APHA-4500B	170	168	1000
9	Nitrates as NO <sub>3</sub>	mg/l	APHA-4500	10.0	11.2	100
10	Fluoride as F	mg/l	APHA-4500D	0.68	0.78	1.5
11	Phosphates as PO <sub>4</sub>	mg/l	APHA-4500C	0.024	0.026	0.3
12	Iron as Fe	mg/l	APHA-3111B	0.028	0.022	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	1.2	1.4	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

*Handwritten Signature*  
 Prepared by  
 (Chemist)

*Handwritten Signature*  
 Checked by  
 (Sr.Chemist)

*Handwritten Signature*  
 Authorized Signatory  
 (Government Analyst)

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Address – M-11, Middle Circle, Connaught Circus  
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Name of Project – Plotted Colony at Sector-82-88, 89 Faridabad  
Party Code No. --CPPL/12/04  
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	18-12-2013	51.8	55	42.4	45
Murena Village	18-12-2013	49.6	55	41.2	45
Bhatola Village	17-12-2013	48.8	55	40.8	45
Nigaon Village	17-12-2013	49.2	55	41.2	45

*H. Anand*  
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*A. K. Singh*  
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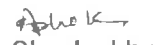
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Name of Project – Plotted Colony at Sector-82-88, 89 Faridabad  
Party Code No. --CPPL/12/05  
Nature of Sample – Soil Quality  
Date of Monitoring – 18-12-2013  
Sample Collected by – Scientists of EMTRC

### ANALYSIS RESULTS

	Parameters	Soil sample Project site
1	Bulk Density; g/cm <sup>3</sup>	1.33
2	Color	Brown
3	Organic matter; %	0.52
4	Water Holding Capacity, %	33
5	pH (20% slurry)	7.96
6	Texture	Sandy loam
7	Carbonates, %	NT
9	Bicarbonates, %	0.05
10	Conductivity (20% slurry), $\mu\text{mhos/cm}$	230
11	Potassium, %	0.29
12	Phosphorus, %	0.026
13	Nitrogen, %	1.30

  
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