

# 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 – BPTP International Trade Center Limited  
Address – M-11, Middle Circle, Connaught Circus  
New Delhi - 110001  
Name of Project – Plot No.-2, Sectro-94, Noida  
Party Code No. --BPTP/26/01  
Nature of Sample – Ambient Air Quality Monitoring  
Sample Collected by – Scientists of EMTRC

### AMBIENT AIR QUALITY TEST RESULTS

	Parameters	Unit	Locations		
			Project Site	Raipur	National Standard
Date of Monitoring			20-12-2013	20-12-2013	
1	PM <sub>2.5</sub>	µg/m <sup>3</sup>	46	37	60 (24-hours average)
2	PM <sub>10</sub>	µg/m <sup>3</sup>	79	68	100(24-hours average)
3	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	12.8	9.2	80 (24-hours average)
4	Nitrogen dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	30.2	26.8	80 (24-hours average)

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

*Navneet K.*  
Prepared by  
(Chemist)

*Ashu*  
Checked by  
(Sr.Chemist)

*Mukul*  
Authorized Signatory  
(Government Analyst)

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Name of Project – Plot No.-2, Sectro-94, Noida  
Party Code No. --BPTP/26/02  
Nature of Sample – Ambient Air Quality Monitoring  
Sample Collected by – Scientists of EMTRC

### AMBIENT AIR QUALITY TEST RESULTS

	Parameters	Unit	Locations		
			Chhalera Village	Bakhatarpur Village	National Standard
Date of Monitoring			21-12-2013	21-12-2013	
1	PM <sub>2.5</sub>	µg/m <sup>3</sup>	35	40	60 (24-hours average)
2	PM <sub>10</sub>	µg/m <sup>3</sup>	66	72	100(24-hours average)
3	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	9.2	10.2	80 (24-hours average)
4	Nitrogen dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	22.6	27.8	80 (24-hours average)

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

*Navneet K.R.*  
Prepared by  
(Chemist)

*A. Wale*  
Checked by  
(Sr.Chemist)

*M. K. Singh*  
Authorized Signatory  
(Government Analyst)

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 Name of Project – Plot No.-2, Sectro-94, Noida  
 Party Code No. --BPTP/26/03  
 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	Project site	Raipur Village	Permissible limit IS:10500
1	pH	-	APHA-4500	7.49	7.44	6.5 – 8.5
2	Conductivity	µmhos/cm	APHA-2510	1780	1350	-
3	Turbidity	NTU	APHA-2030B	3	2	10
4	Total Dissolved Solids	mg/l	APHA-2540B	1248	894	2000
5	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA-2340C	410	360	600
6	Calcium as Ca	mg/l	APHA-4500B	76	64	200
7	Magnesium as Mg	mg/l	APHA-4500B	53.5	48.6	100
8	Chlorides as Cl	mg/l	APHA-4500B	376	252	1000
9	Nitrates as NO <sub>3</sub>	mg/l	APHA-4500	11.8	9.6	100
10	Fluoride as F	mg/l	APHA-4500D	0.72	0.68	1.5
11	Phosphates as PO <sub>4</sub>	mg/l	APHA-4500C	0.036	0.022	0.3
12	Iron as Fe	mg/l	APHA-3111B	0.028	0.034	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	1.4	1.1	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

*Narain K...*  
 Prepared by  
 (Chemist)

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

*M...*  
 Authorized Signatory  
 (Government Analyst)

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Address                    – M-11, Middle Circle, Connaught Circus  
                                  New Delhi - 110001  
Name of Project         – Plot No.-2, Sestro-94, Noida  
Party Code No.         --BPTP/26/04  
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	21-12-2013	53.6	55	42.8	45
Chhalera Village	21-12-2013	49.8	55	41.8	45
Raipur	20-12-2013	49.4	55	41.4	45
Bakhatar pur	20-12-2013	50.2	55	42.2	45

  
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Name of Project – Plot No.-2, Sectro-94, Noida  
Party Code No. --BPTP/26/05  
Nature of Sample – Soil Quality  
Date of Monitoring – 21-12-2013  
Sample Collected by – Scientists of EMTRC

### ANALYSIS RESULTS

	Parameters	Soil sample Project site
1	Bulk Density; g/cm <sup>3</sup>	1.30
2	Color	Brown
3	Organic matter; %	0.49
4	Water Holding Capacity, %	31
5	pH (20% slurry)	8.18
6	Texture	Sandy loam
7	Carbonates, %	NT
9	Bicarbonates, %	0.06
10	Conductivity (20% slurry), $\mu\text{mhos/cm}$	250
11	Potassium, %	0.29
12	Phosphorus, %	0.028
13	Nitrogen, %	1.28

*Nagveetkr*  
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(Chemist)

*Ashok*  
Checked by  
(Sr.Chemist)

*M. J. ...*  
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