

# 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 Vital Construction Privet Limited  
 Address                    – M-11, Middle Circle, Connaught Circus, New Delhi - 110001  
 Name of Project         – I. T. Park Plot No.-15, Phase-IV Udhog Vihar, Gurgaon,  
 Party Code No.         --VCPL/27/01  
 Nature of Sample        – Ambient Air Quality Monitoring  
 Sample Collected by  – Scientists of EMTRC

### AMBIENT AIR QUALITY TEST RESULTS

	Parameters	Unit	Locations		
			Project Site	Sector 18	National Standard
Date of Monitoring			13-12-2013	13-12-2013	
1	PM <sub>2.5</sub>	µg/m <sup>3</sup>	54	43	60 (24-hours average)
2	PM <sub>10</sub>	µg/m <sup>3</sup>	88	75	100(24-hours average)
3	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	13.8	10.6	80 (24-hours average)
4	Nitrogen dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	38.6	32.4	80 (24-hours average)

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

*Nanavetia*  
 Prepared by  
 (Chemist)

*Shuk*  
 Checked by  
 (Sr.Chemist)

*Manoj*  
 Authorized Signatory  
 (Government Analyst)

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### TEST REPORT


Issued To – Countrywide Promoters Private Limited  
Address – M-11, Middle Circle, Connaught Circus  
New Delhi - 110001  
Name of Project – I. T. Park Plot No.-15, Phase-IV Udhog Vihar, Gurgaon,  
Party Code No. --CPPPL/27/02  
Nature of Sample – Ambient Air Quality Monitoring  
Sample Collected by – Scientists of EMTRC

### AMBIENT AIR QUALITY TEST RESULTS

	Parameters	Unit	Locations		
			Udyog Vihar Substation	Back Site of Sahara Mall	National Standard
	<b>Date of Monitoring</b>		<b>14-12-2013</b>	<b>14-12-2013</b>	
1	PM <sub>2.5</sub>	µg/m <sup>3</sup>	55	48	60 (24-hours average)
2	PM <sub>10</sub>	µg/m <sup>3</sup>	86	74	100(24-hours average)
3	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	13.6	11.2	80 (24-hours average)
4	Nitrogen dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	39.2	30.6	80 (24-hours average)

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

  
Prepared by  
(Chemist)

  
Checked by  
(Sr.Chemist)

  
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### TEST REPORT

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 Name of Project – I. T. Park Plot No.-15, Phase-IV Udhog Vihar, Gurgaon,  
 Party Code No. --VCPL/27/03  
 Nature of Sample – Ground Water  
 Date of Monitoring – 14-12-2013  
 Sample Collected by – Scientists of EMTRC

### WATER QUALITY TEST RESULTS

	Parameters	Unit	Test Methods	Project site	Udyog Vihar Phase-IV Sec-18	Permissible limit IS:10500
1	pH	-	APHA-4500	7.74	7.89	6.5 – 8.5
2	Conductivity	µmhos/cm	APHA-2510	1260	1050	-
3	Turbidity	NTU	APHA-2030B	3	3	10
4	Total Dissolved Solids	mg/l	APHA-2540B	834	690	2000
5	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA-2340C	310	290	600
6	Calcium as Ca	mg/l	APHA-4500B	76	68	200
7	Magnesium as Mg	mg/l	APHA-4500B	29.1	29.1	100
8	Chlorides as Cl	mg/l	APHA-4500B	158	80	1000
9	Nitrates as NO <sub>3</sub>	mg/l	APHA-4500	10.4	9.8	100
10	Fluoride as F	mg/l	APHA-4500D	0.72	0.76	1.5
11	Phosphates as PO <sub>4</sub>	mg/l	APHA-4500C	0.026	0.022	0.3
12	Iron as Fe	mg/l	APHA-3111B	0.018	0.024	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	1.3	1.2	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

*Harneet K.*  
 Prepared by  
 (Chemist)

*Ahok*  
 Checked by  
 (Sr.Chemist)

*Mukesh*  
 Authorized Signatory  
 (Government Analyst)

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Name of Project – I. T. Park Plot No.-15, Phase-IV Udhog Vihar, Gurgaon,  
Party Code No. --VCPL/27/04  
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	14-12-2013	53.2	55	42.8	45
Sector-18	14-12-2013	52.4	55	42.6	45
Udyog vihar SubSatation	13-12-2013	53.8	55	43.4	45
Back Site of Sahara Mall	13-12-2013	51.8	55	42.2	45

  
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Name of Project – I. T. Park Plot No.-15, Phase-IV Udhyog Vihar, Gurgaon,  
Party Code No. --VCPL/27/05  
Nature of Sample – Soil Quality  
Date of Monitoring , – 14-12-2013  
Sample Collected.by – Scientists of EMTRC

### ANALYSIS RESULTS

	Parameters	Soil sample Project site
1	Bulk Density; g/cm <sup>3</sup>	1.28
2	Color	Brown
3	Organic matter; %	0.40
4	Water Holding Capacity, %	29
5	pH (20% slurry)	7.92
6	Texture	Sandy loam
7	Carbonates, %	NT
9	Bicarbonates, %	0.05
10	Conductivity (20% slurry), $\mu$ mhos/cm	330
11	Potassium, %	0.24
12	Phosphorus, %	0.022
13	Nitrogen, %	1.26

*Hanumet*  
Prepared by  
(Chemist)

*Shok*  
Checked by  
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