

## Envirotech East Pvt. Limited

An ISO 9001:2008, 14001:2004 & OHSAS:18001:2007 Company

Laboratory Recognised by Ministry of Environment & Forests, Govt. of India

Bengal Ambuja Commercial Complex,

UN-F 13, 1050/1, Survey Park, Kolkata – 700 075

☎ – 2418 8127/8128/8601; Fax – 2418 8128; email: [eeplkol@gmail.com](mailto:eeplkol@gmail.com)

Annexure - III

### RESULTS OF EFFLUENT (BEFORE ETP) SAMPLE

Sl. No.	Parameters	Unit	April'14	May'14	June'14
1.	pH	-	5.5	4.3	5.6
2.	Total Suspended Solids	mg/l	231	215	245
3.	Oil & Grease	mg/l	13	12	15
4.	BOD (3 days at 27°C)	mg/l	923	968	979
5.	COD	mg/l	4277	4681	4511
6.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	2.7	2.0	2.4
7.	Lead (as Pb)	mg/l	0.6	0.3	0.5
8.	Hexavalent Chromium (as Cr <sup>+6</sup> )	mg/l	0.13	0.28	0.19
9.	Chromium (as Cr)	mg/l	5.3	5.2	6.3
10.	Copper (as Cu)	mg/l	4.3	4.5	4.3
11.	Nickel (as Ni)	mg/l	3.6	5.8	5.1
12.	Zinc (as Zn)	mg/l	7.7	8.8	7.4

### RESULTS OF EFFLUENT (BEFORE ETP) SAMPLE

Sl. No.	Parameters	Unit	July'14	August'14	September'14
1.	pH	-	4.9	5.5	4.2
2.	Total Suspended Solids	mg/l	181	233	192
3.	Oil & Grease	mg/l	11	14	17
4.	BOD (3 days at 27°C)	mg/l	956	922	1018
5.	COD	mg/l	4686	4097	4778
6.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	1.3	1.5	2.5

For ENVIROTECH EAST (P) LIMITED

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7.	Lead (as Pb)	mg/l	0.6	0.4	0.6
8.	Hexavalent Chromium (as Cr <sup>+6</sup> )	mg/l	0.22	0.36	0.24
9.	Chromium (as Cr)	mg/l	6.1	5.2	6.6
10.	Copper (as Cu)	mg/l	3.4	3.5	4.2
11.	Nickel (as Ni)	mg/l	4.3	4.4	5.3
12.	Zinc (as Zn)	mg/l	6.8	6.6	8.1

## RESULTS OF EFFLUENT (AFTER ETP) SAMPLE

Sl. No.	Parameters	Unit	Standard	April'14	May'14	June'14
1.	pH	-	6.0 – 8.5	6.1	6.2	6.7
2.	Total Suspended Solids	mg/l	100	81	73	61
3.	Oil & Grease	mg/l	10	4	6	3
4.	BOD (3 days at 27°C)	mg/l	50	14	26	19
5.	COD	mg/l	250	230	219	169
6.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	1.0	0.4	0.3	0.5
7.	Lead (as Pb)	mg/l	0.1	<0.05	<0.05	<0.05
8.	Hexavalent Chromium (as Cr <sup>+6</sup> )	mg/l	0.1	<0.05	<0.05	<0.05
9.	Chromium (as Cr)	mg/l	2.0	0.8	0.7	0.6
10.	Copper (as Cu)	mg/l	2.0	0.7	0.5	0.3
11.	Nickel (as Ni)	mg/l	2.0	0.5	0.7	0.3
12.	Zinc (as Zn)	mg/l	5.0	1.7	2.7	2.3

For ENVIROTECH EAST (P) LIMITED

(Authorized Signatory)

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### RESULTS OF EFFLUENT (AFTER ETP) SAMPLE

Sl. No.	Parameters	Unit	Standard	July'14	August'14	Sept.'14
1.	pH	-	<b>6.0 – 8.5</b>	6.4	5.4	6.7
2.	Total Suspended Solids	mg/l	<b>100</b>	60	65	89
3.	Oil & Grease	mg/l	<b>10</b>	4	6	5
4.	BOD (3 days at 27°C)	mg/l	<b>50</b>	28	19	25
5.	COD	mg/l	<b>250</b>	216	180	234
6.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	<b>1.0</b>	0.5	0.2	0.6
7.	Lead (as Pb)	mg/l	<b>0.1</b>	< 0.05	< 0.05	< 0.05
8.	Hexavalent Chromium (as Cr <sup>+6</sup> )	mg/l	<b>0.1</b>	< 0.05	< 0.05	< 0.05
9.	Chromium (as Cr)	mg/l	<b>2.0</b>	0.6	0.5	1.4
10.	Copper (as Cu)	mg/l	<b>2.0</b>	0.6	0.8	1.4
11.	Nickel (as Ni)	mg/l	<b>2.0</b>	0.6	0.7	0.5
12.	Zinc (as Zn)	mg/l	<b>5.0</b>	1.6	2.7	2.5

### RESULTS OF EFFLUENT (DOMESTIC OUTLET) SAMPLE

Sl. No.	Parameters	Unit	Standard	April'14	May'14	June'14
1.	pH	-	<b>5.5 - 9.0</b>	7.6	7.2	7.1
2.	Total Suspended Solids	mg/l	<b>100</b>	74	68	75
3.	Oil & Grease	mg/l	<b>10</b>	2	5	4
4.	BOD (3 days at 27°C)	mg/l	<b>30</b>	22	26	30
5.	COD	mg/l	<b>250</b>	125	91	135

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### RESULTS OF EFFLUENT (DOMESTIC OUTLET) SAMPLE

Sl. No.	Parameters	Unit	Standard	July'14	August'14	September'14
1.	pH	-	<b>5.5 - 9.0</b>	7.1	7.3	6.9
2.	Total Suspended Solids	mg/l	<b>100</b>	75	66	61
3.	Oil & Grease	mg/l	<b>10</b>	2	6	5
4.	BOD (3 days at 27°C)	mg/l	<b>30</b>	25	19	24
5.	COD	mg/l	<b>250</b>	105	138	119