

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

Annexure - III

RESULTS OF EFFLUENT (BEFORE ETP) SAMPLE

Sl. No.	Parameters	Unit	October'13	November'13	December'13
1.	pH	-	5.1	4.8	5.2
2.	Total Suspended Solids	mg/l	242	204	236
3.	Oil & Grease	mg/l	16	17	19
4.	BOD (3 days at 27°C)	mg/l	950	970	992
5.	COD	mg/l	4372	4860	4596
6.	Phenolics Compound (as C ₆ H ₅ OH)	mg/l	2.4	2.1	1.9
7.	Lead (as Pb)	mg/l	0.9	0.5	0.8
8.	Hexavalent Chromium (as Cr ⁺⁶)	mg/l	0.16	0.21	0.15
9.	Chromium (as Cr)	mg/l	5.7	5.9	6.7
10.	Copper (as Cu)	mg/l	4.9	4.2	4.5
11.	Nickel (as Ni)	mg/l	3.3	5.2	5.6
12.	Zinc (as Zn)	mg/l	7.2	8.4	8.1

RESULTS OF EFFLUENT (BEFORE ETP) SAMPLE

Sl. No.	Parameters	Unit	January'14	February'14	March'14
1.	pH	-	4.6	5.2	4.9
2.	Total Suspended Solids	mg/l	194	211	176
3.	Oil & Grease	mg/l	14	17	18
4.	BOD (3 days at 27°C)	mg/l	972	932	1030
5.	COD	mg/l	4762	4145	4819
6.	Phenolics Compound (as C ₆ H ₅ OH)	mg/l	1.5	1.2	2.1

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7.	Lead (as Pb)	mg/l	0.9	0.5	0.8
8.	Hexavalent Chromium (as Cr ⁺⁶)	mg/l	0.15	0.1	0.18
9.	Chromium (as Cr)	mg/l	6.5	5.4	6.9
10.	Copper (as Cu)	mg/l	3.8	3.2	4.5
11.	Nickel (as Ni)	mg/l	4.6	4.1	5.8
12.	Zinc (as Zn)	mg/l	7.2	6.2	8.4

RESULTS OF EFFLUENT (AFTER ETP) SAMPLE

Sl. No.	Parameters	Unit	Standard	October'13	November'13	December'13
1.	pH	-	6.0 – 8.5	6.5	6.7	6.4
2.	Total Suspended Solids	mg/l	100	66	82	55
3.	Oil & Grease	mg/l	10	5	7	5
4.	BOD (3 days at 27°C)	mg/l	50	17	22	16
5.	COD	mg/l	250	202	231	185
6.	Phenolics Compound (as C ₆ H ₅ OH)	mg/l	1.0	0.1	0.2	0.3
7.	Lead (as Pb)	mg/l	0.1	<0.05	<0.05	<0.05
8.	Hexavalent Chromium (as Cr ⁺⁶)	mg/l	0.1	<0.05	<0.05	<0.05

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Sl. No.	Parameters	Unit	Standard	October'13	November'13	December'13
9.	Chromium (as Cr)	mg/l	2.0	0.5	0.9	0.4
10.	Copper (as Cu)	mg/l	2.0	0.9	0.7	0.5
11.	Nickel (as Ni)	mg/l	2.0	0.3	0.5	0.2
12.	Zinc (as Zn)	mg/l	5.0	1.4	2.4	2.1

RESULTS OF EFFLUENT (AFTER ETP) SAMPLE

Sl. No.	Parameters	Unit	Standard	January'14	February'14	March'14
1.	pH	-	6.0 – 8.5	6.1	5.8	6.3
2.	Total Suspended Solids	mg/l	100	55	61	84
3.	Oil & Grease	mg/l	10	5	5	7
4.	BOD (3 days at 27°C)	mg/l	50	24	17	22
5.	COD	mg/l	250	238	191	225
6.	Phenolics Compound (as C ₆ H ₅ OH)	mg/l	1.0	0.3	0.2	0.4
7.	Lead (as Pb)	mg/l	0.1	<0.05	<0.05	<0.05
8.	Hexavalent Chromium (as Cr ⁺⁶)	mg/l	0.1	<0.05	<0.05	<0.05
9.	Chromium (as Cr)	mg/l	2.0	0.9	0.6	1.1
10.	Copper (as Cu)	mg/l	2.0	0.7	0.5	1.2

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Sl. No.	Parameters	Unit	Standard	January'14	February'14	March'14
11.	Nickel (as Ni)	mg/l	2.0	0.8	0.4	0.7
12.	Zinc (as Zn)	mg/l	5.0	1.9	2.4	2.9

RESULTS OF EFFLUENT (DOMESTIC OUTLET) SAMPLE

Sl. No.	Parameters	Unit	Standard	October'13	November'13	December'13
1.	pH	-	5.5 - 9.0	6.3	6.7	6.9
2.	Total Suspended Solids	mg/l	100	62	79	84
3.	Oil & Grease	mg/l	10	3	3	5
4.	BOD (3 days at 27°C)	mg/l	30	25	22	26
5.	COD	mg/l	250	117	96	129

RESULTS OF EFFLUENT (DOMESTIC OUTLET) SAMPLE

Sl. No.	Parameters	Unit	Standard	January'14	February'14	March'14
1.	pH	-	5.5 - 9.0	6.5	6.8	6.7
2.	Total Suspended Solids	mg/l	100	70	59	66
3.	Oil & Grease	mg/l	10	3	4	5
4.	BOD (3 days at 27°C)	mg/l	30	21	25	20
5.	COD	mg/l	250	99	122	108

For ENVIROTECH EAST (P) LIMITED

(Authorized Signatory)