



EIA PROJECT, GAUHATI UNIVERSITY
DEPARTMENT OF CHEMISTRY
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Reference: Proj/OG/26/05W
Date: 25/09/2013

TEST REPORT

Name & Address of Client	En-vision Enviro Engineers Pvt. Ltd. 208, G-Tower, Shankheshwar Complex, Sagrampura, Surat-395002, Gujarat		
Name of the project or Sample ID	M/S GNRC Institute of Medical Science (A Unit Of GNRC Ltd.) situated at Sila Grant, Sila Senduri Ghopa, North Guwahati, District Kamrup(R), Assam.		
Description of sample	Water collected from Bore Well located at site		
Date of Sampling	23.09.2013	Date of receipt of Sample	23.09.2013
Sample Collected by	En-vision Enviro Engineers Pvt. Ltd. Team		

SN	PARAMETERS FOR WATER	UNIT	RESULT	REFERENCE METHOD	Desirable limit as per IS	DETECTABLE LIMIT
1	pH	--	6.94	Potentiometric	6.5-8.5	0.01
2	Turbidity	NTU	0.3	Nephelometric	10	0.1
3	TDS	mg/L	64	Dried at 185 ^o C	2000	0.1
4	Total hardness	mg/L	70	EDTA Titrimetric	600	0.1
5	Calcium	mg/L	12	EDTA Titrimetric	200	0.1
6	Magnesium	mg/L	9.7	EDTA Titrimetric	100	0.1
7	Total Alkalinity	mg/L	108	Titrimetric	600	0.1
8	Chlorides	mg/L	29.8	Argentometric	1000	0.05
9	Sulphates	mg/L	8.8	Turbidimetric	400	0.05
10	Nitrates	mg/L	2.1	Spectrophotometric	100	0.01
11	Flouride	mg/L	0.19	SPADNS Method	1.5	0.01
12	Residual chlorine	mg/L	BDL	Iodometric	0.2	0.1
13	Copper	mg/L	0.0220	Atomic Absorption	1.5	0.0001
14	Iron	mg/L	0.3590		1.0	0.0001
15	Cadmium	mg/L	0.0210		0.01	0.0001
16	Lead	mg/L	0.1360		0.05	0.0001
17	Zinc	mg/L	0.5170		15	0.0001
18	Chromium	mg/L	0.1555		0.05	0.0001
19	Manganese	mg/L	0.3050		0.3	0.0001
20	Selenium	mg/L	BDL		0.01	0.0001
21	Dissolved Oxygen	mg/L	4.8		Azide modification	--
22	BOD	mg/L	1.3	3 Day 27oC	--	0.1
23	COD	mg/L	6.5	Dichromate Reflux	--	0.1

For Gauhati University,

K G Bhattacharyya
K G Bhattacharyya (Coordinator, EIA project)

4/10/2013

K G Bhattacharyya
Professor of Chemistry
Gauhati University



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TEST REPORT

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Name of the project or Sample ID	M/S GNRC Institute of Medical Science (A Unit Of GNRC Ltd.) situated at Sila Grant, Sila Senduri Ghopa, North Guwahati, District Kamrup(R), Assam.		
Description of sample	Soil collected from project site		
Date of Sampling	23.09.2013	Date of receipt of Sample	23.09.2013
Sample Collected by	En-vision Enviro Engineers Pvt. Ltd. Team		

NO.	PARAMETERS FOR SOIL	UNIT	RESULT	REFERENCE METHOD	DETECTABLE LIMIT
1	pH	--	6.64	Potentiometric	0.01
2	Soil type	--	Loamy Sand	Hydrometer	--
	Sand	%	81.78	Hydrometer	0.01
	Clay	%	6.21	Hydrometer	0.01
	Silt	%	12.01	Hydrometer	0.01
3	Nitrogen	Kg/ha	235.20	Alkaline KMHO ₄	0.05
4	Phosphorus	mg/kg	41.30	Olsen Method	0.05
5	Potassium	mg/kg	53.00	NH ₄ -acetate Extraction	0.01
6	Electrical conductivity	mS/cm	1.30	Conductivity Meter	0.01
7	Water holding capacity	%	33.62	Standard method	0.01
8	Organic matter	%	1.01	Titrimetric	0.01
9	Salinity	mS/cm	1.30	Conductometric	0.01
10	Iron	mg/kg	7980.0	Atomic Absorption	0.0001
11	Copper	mg/kg	26.8002		0.0001
12	Nickel	mg/kg	25.5007		0.0001
13	Manganese	mg/kg	170.3001		0.0001
14	Zinc	mg/kg	26.0702		0.0001
15	Sodium Absorption Ratio	mol/kg	0.30	Computation	0.01
16	Chlorides	mg/kg	142.1	Argentometric	0.1

Note:

For Guwahati University,

K G Bhattacharyya

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(Coordinator, EIA project)

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