

WATER ANALYSIS REPORT

Rep.No: 170406_14080059_0

Date: 06/04/17

Name & Address of Client	M/s. Subham Buildwell R.G. Baruah Road, Village- Japorigog, Mouza-Beltola, Dist: Kamrup, Guwahati, Assam
Sample Description	Ground Water
Date of Sampling	24/03/17
Sample collected by	M/s. En-vision Enviro Technologies North East

SI No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
1	p ^H	---	7.54	Potentiometric	6.5-8.5	No relaxation
2	Turbidity	NTU	BDL	Nephelometric	1.0	5.0
3	TDS	mg/L	141.7	Dried at 105 ^o C	500	2000
4	DO	mg/L	5.5	Azide Modification	----	----
5	Total hardness	mg/L	119.5	EDTA Titrimetric	200	600
6	Calcium	mg/L	38.2	EDTA Titrimetric	75	200
7	Magnesium	mg/L	19.8	EDTA Titrimetric	30	100
8	Total Alkalinity	mg/L	137.4	Titrimetric	200	600
9	Chloride	mg/L	26.30	Argentometric	250	1000
10	Sulphate	mg/L	10.21	Turbidimetric	200	400

Cont...

Sl No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
11	Nitrates	mg/L	5.90	Spectrophotometric	45	No relaxation
12	Fluoride	mg/L	0.55	SPADNS Method	1.0	1.5
13	Residual Chlorine	mg/L	BDL	Iodometric	0.2	1.0
14	Copper	mg/L	0.0197	Flame AAS	0.05	1.5
15	Iron(as Fe)	mg/L	0.2036	Flame AAS	0.3	No relaxation
16	Cadmium	mg/L	BDL	Flame AAS	0.003	No relaxation
17	Lead	mg/L	BDL	Flame AAS	0.01	No relaxation
18	Zinc	mg/L	0.5649	Flame AAS	5	15
19	Total Chromium	mg/L	0.0031	Flame AAS	0.05	No relaxation
20	Manganese	mg/L	0.0624	Flame AAS	0.1	0.3
21	Selenium	mg/L	BDL	Flame AAS	0.01	No relaxation
22	BOD	mg/L	7.4	Incubation 3 days, 27°C	----	----
23	COD	mg/L	28.5	Dichromate Reflux	----	----

All the measurement methods conform to IS 10500:2012 & World Health Organization (WHO) Guidelines.

For En-vision Enviro Technologies North East, Guwahati


 (Quality Control Manager)

Note: i) The results relate only to the parameters tested.
 ii) The test report shall not be reproduced except in full, without written approval of laboratory.

SOIL ANALYSIS REPORT

Rep.No: 170406_14080059_0

Date: 06/04/17

Name & Address of Client	M/S. Subham Buildwell R.G. Baruah Road, Village- Japorigog, Mouza-Beltola, Dist: Kamrup, Guwahati, Assam
Sample Description	Soil collected from Project site
Date of Sampling	24/03/17
Sample collected by	M/s En-vision Enviro Technologies North East

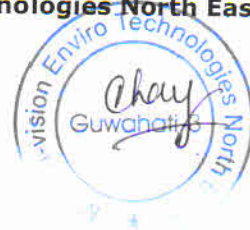
Sl No.	Soil Parameters	Unit	Result	Reference Method
1	p ^H	---	6.43	Potentiometric
2	Soil type	----	Loamy Sand	Hydrometer
	Sand	%	76.5	Hydrometer
	Clay	%	21.2	Hydrometer
	Silt	%	10.7	Hydrometer
3	Nitrogen	kg/ha	195.5	Alkaline KMnO ₄
4	Phosphorus	mg/kg	63.26	Olsen method
5	Potassium	mg/kg	44.39	NH ₄ -acetate extraction
6	Electrical conductivity	mS/cm	1.50	Conductivity Meter
7	Water holding capacity	%	1.64	Standard method

Cont...

Recognized by Pollution Control Board, Assam.

SI No.	Parameters	Unit	Result	Reference Method
8	Organic matter	%	1.52	Titrimetric
9	Salinity	mS/cm	1.49	Conductometric
10	Iron	g/kg	27.35	Flame AAS (mg/kg)
11	Copper	mg/kg	12.59	Flame AAS
12	Nickel	mg/kg	10.46	Flame AAS
13	Manganese	g/kg	2.30	Flame AAS (mg/kg)
14	Zinc	mg/kg	52.69	Flame AAS
15	Sodium Absorption Ratio	mol/kg	0.64	Computation
16	Chlorides	mg/kg	139.2	Argentometric

For En-vision Enviro Technologies North East, Guwahati



(Quality Control Manager)

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