



EIA PROJECT, GAUHATI UNIVERSITY

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Ref. Proj-ongoing/26/En-vision NE/Teron Construction/2016-17/GW/78
Date 30/11/2016

TEST REPORT WATER

Ref.: 160920_1502049_1
Date: 20-09-2016

Name & Address of Client	Envision Enviro Technologies North East H/N-6, 1st Floor, Sankardev Path, Pub-Sarania, Chandmari, Guwahati-781003, Assam, India		
Name of the project or Sample ID	M/s. Teron Construction Pvt. Ltd. "Uttarayan Ville" Narakasur Ganesh Turning Kahilipara, Guwahati-781019, Assam		
Description of sample	Ground Water		
Date of Sampling	20-09-2016	Date of receipt	20-09-2016
Sample Collected by	M/S En-vision Enviro Technologies North East		

S N	Parameter	Unit	Result	Method	Detection limit	IS 10500 : 2012	
						Acceptable limit	Permissible limit
1	pH	--	7.02	Potentiometric	0.01	6.5-8.5	No relaxation
2	Turbidity	NTU	BDL	Nephelometric	0.1	1.0	5.0
3	TDS	mg/L	78.8	Dried at 105°C	0.1	500	2000
4	DO	mg/L	5.2	Azide modification	0.1	--	--
5	Hardness	mg/L	59.4	EDTA Titrimetric	0.1	200	600
6	Calcium	mg/L	40.6	EDTA Titrimetric	0.1	75	200
7	Magnesium	mg/L	18.8	EDTA Titrimetric	0.1	30	100
8	Alkalinity	mg/L	108.3	Titrimetric	0.1	200	600
9	Chloride	mg/L	28.5	Argentometric	0.05	250	1000
10	Sulphate	mg/L	14.2	Turbidimetric	0.05	200	400
11	Nitrate	mg/L	11.6	Spectrophotometric	0.01	45	No relaxation
12	Fluoride	mg/L	0.48	SPADNS spectrophotometry	0.01	1.0	1.5
13	R chlorine	mg/L	BDL	Iodometric	0.1	0.2	1.0
14	Copper	mg/L	0.0284	Flame AAS	0.0001	0.05	1.5
15	Iron (as Fe)	mg/L	0.1605	Flame AAS	0.0001	0.3	No relaxation
16	Cadmium	mg/L	0.0008	Flame AAS	0.0001	0.003	No relaxation
17	Lead	mg/L	0.0012	Flame AAS	0.0001	0.01	No relaxation

18	Zinc	mg/L	0.6624	Flame AAS	0.0001	5	15
19	Chromium	mg/L	0.0024	Flame AAS	0.0001	0.05	No relaxation
20	Manganese	mg/L	0.0556	Flame AAS	0.0001	0.1	0.3
21	Selenium	mg/L	BDL	Flame AAS	0.0001	0.01	No relaxation
22.	BOD	mg/L	6.6	3 Day, 27°C	0.1	--	--
23.	COD	mg/L	20.1	Dichromate reflux	0.1	--	--

TDS Total Dissolved Solids, DO Dissolved Oxygen, BOD Biochemical Oxygen Demand, COD Chemical Oxygen Demand. Hardness, Alkalinity, Chromium refer to their Total Values. R Chlorine Residual Chlorine.

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

For EIA Project, Gauhati University,

KAB

K G Bhattacharyya
Coordinator

30/11/16

Co-ordinator
EIA PROJECT