



NUMALIGARH REFINERY LIMITED **(Quality Control Department)**

ANALYSIS OF GROUND WATER AROUND SLF FOR THE MONTH OF AUGUST , 2017

DATE OF SAMPLING : 16.08.2017

Annexure-I

SL	Substance or Characteristic	Analysis data of ground water around SLF before commissioning of SLF(max)	Results of piezometric tubes			
			No. # 1	No. # 2	No. # 3	No. # 4
1	Odour	Nil	Nil	Nil	Nil	Nil
2	pH Value	7.6	8.0	8.0	8.5	8.0
3	Iron (as Fe), mg/lit (Max.)	1.5	0.24	0.29	0.36	0.40
4.	Chlorides (as Cl) mg/lit (Max.)	28	28.0	26.5	25.5	23.5
5.	Residual free chlorine, mg/lit (Min.)	Nil	Nil	Nil	Nil	Nil
6.	Copper (as Cu), mg/lit (Max.)	0.04	0.031	0.029	0.030	0.027
7.	Manganese (as Mn), mg/lit (Max.)	0.03	Nil	Nil	Nil	Nil
8	Nitrate (as NO ₃), mg/lit (Max.)	0.4	0.29	0.26	0.30	0.33
9.	Fluoride (as F), mg/lit (Max.)	0.3	0.26	0.22	0.24	0.29
10.	Cadmium (as Cd), mg/lit (Max.)	Nil	Nil	Nil	Nil	Nil
11.	Arsenic (as As). mg/lit (Max.)	Nil	Nil	Nil	Nil	Nil
12.	Cyanide (as CN), mg/lit (Max.)	Nil	Nil	Nil	Nil	Nil
13.	Lead (as Pb), mg/lit (Max.)	0.05	0.031	0.027	0.029	0.036
14.	Zinc (as Zn), mg/lit (Max.)	0.2	0.20	0.19	0.18	0.16
15.	Chromium(asCr) Mg/lit (Max)	Nil	Nil	Nil	Nil	Nil

