

**WATER ANALYSIS REPORT  
SURATGARH TPS**

## CLARIFIED WATER ANALYSIS

Sl. No.	Constituent	Unit	Value
1.	pH	-	8.5
2.	Color and Odor		
3.	Oil and grease	mg/l	ND
4.	BOD		3
5.	COD		20
6.	Suspended solids	mg/l	<15
7.	Turbidity	NTU	<15
8.	Calcium hardness as CaCO <sub>3</sub>	mg/l	74
9.	Magnesium hardness as CaCO <sub>3</sub>	mg/l	52
10.	Sodium as Na	mg/l	61
11.	Potassium	mg/l	-
12.	Chloride as Cl	mg/l	39
13.	Sulphate as SO <sub>4</sub>	mg/l	48
14.	Sulphide	mg/l	-
15.	M- Alkalinity as CaCO <sub>3</sub>	mg/l	140
16.	P-Alkalinity as CaCO <sub>3</sub>	mg/l	Nil
17.	Nitrates as No <sub>3</sub>	mg/l	17
18.	Nitrite	mg/l	Nil
19.	Silica as SiO <sub>2</sub> – Dissolved	mg/l	15
20.	Silica as SiO <sub>2</sub> – Colloidal	mg/l	0.6
21.	Iron as Fe-dissolved	mg/l	0.5
22.	Iron as Fe-suspended	mg/l	0.1
23.	Total dissolved solids	mg/l	393
24.	Conductivity at 250 <sup>0</sup> C	mho/cm	500
25.	Dissolved Oxygen as O <sub>2</sub>	mg/l	5.0
26.	Carbon dioxide free	mg/l	5