



GLOBAL EXPERTS
(A Techno-Enviro. Consultant)
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ANALYSIS REPORT OF DRINKING WATER

Name of Industry & Address	:	M/s SHIVA CEMENT LIMITED Teleghana, Kutra, Sundargarh
Date of Sampling	:	24-06-14
Date of Analysis	:	28-06-14
Reference No.	:	DW-5(a)/14

Sl. No.	Parameters	Unit	Bore well (Inside Plant)	Desirable Limits as per IS:10500 (Max)
1.	pH	-	6.62	6.5 - 8.5
2.	Colour	Hazen	1	5
3.	Odour	Un Objectionable	UO	UO
4.	Taste		Agreeable	Agreeable
5.	Turbidity	NTU	1.8	5
6.	Total Hardness as CaCO ₃	mg/l	80	300
7.	Iron as Fe	mg/l	0.14	0.3
8.	Chloride as Cl	mg/l	35.9	250
9.	Residual Chlorine	mg/l	ND	0.2
10.	Total Dissolved Solid	mg/l	81	500
11.	Calcium as Ca	mg/l	22.4	75
12.	Magnesium as Mg	mg/l	3.6	30
13.	Copper as Cu	mg/l	0.001	0.05
14.	Manganese as Mn	mg/l	<0.001	0.1
15.	Sulphate as SO ₄	mg/l	2.7	200
16.	Nitrate as NO ₃ -N	mg/l	0.28	45
17.	Fluoride as F	mg/l	0.26	1.0
18.	Phenolic Compound C ₆ H ₅ OH	mg/l	ND	0.001
19.	Mercury ad Hg	mg/l	0.001	0.001
20.	Cadmium as Cd	mg/l	<0.001	0.01
21.	Selenium as Se	mg/l	ND	0.01
22.	Arsenic as As	mg/l	ND	0.02
23.	Cyanide as CN	mg/l	ND	0.05
24.	Lead as Pb	mg/l	0.002	0.5
25.	Zinc as Zn	mg/l	0.004	5
26.	Anionic Detergent as MBAS	mg/l	ND	0.2
27.	Chromium as Cr ⁺⁶	mg/l	0.001	0.05
28.	Mineral Oil	mg/l	ND	0.01
29.	Pesticide	mg/l	Absent	Absent
30.	Aluminium as Al	mg/l	<0.001	0.03
31.	Boron as B	mg/l	0.004	1

*ND- Not Detectable

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(Authorised Signatory)