



GLOBAL EXPERTS
(A Techno-Enviro. Consultant)
An ISO-9001:2008 Certified Company

C-23, BJB Nagar,
Bhubaneswar-751014
Ph.: 0674-2436853
Fax:- 0674-2433487
E-mail- globalexerts@rediffmail.com
globalexerts@gmail.com
consult@globalexerts.in
visit us: www.globalexerts.in

ANALYSIS REPORT OF DRINKING WATER

Name of Industry & Address	:	M/s SHIVA CEMENT LIMITED Teleghana, Kutra, Sundargarh
Date of Sampling	:	23-12-14
Date of Analysis	:	26-12-14
Reference No.	:	DW-48(a)/ 14

Sl No.	Parameters	Unit	Bore well (Inside Plant)	Desirable Limits as per IS:10500 (Max)
1.	pH	-	6.81	6.5 - 8.5
2.	Colour	Hazen	1	5
3.	Odour	Un Objectionable	UO	UO
4.	Taste		Agreeable	Agreeable
5.	Turbidity	NTU	1.5	5
6.	Total Hardness as CaCO ₃	mg/l	68	300
7.	Iron as Fe	mg/l	0.18	0.3
8.	Chloride as Cl	mg/l	38.9	250
9.	Residual Chlorine	mg/l	ND	0.2
10.	Total Dissolved Solid	mg/l	108	500
11.	Calcium as Ca	mg/l	20	75
12.	Magnesium as Mg	mg/l	3.4	30
13.	Copper as Cu	mg/l	0.006	0.05
14.	Manganese as Mn	mg/l	<0.001	0.1
15.	Sulphate as SO ₄	mg/l	3.8	200
16.	Nitrate as NO ₃ -N	mg/l	0.42	45
17.	Fluoride as F	mg/l	0.38	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	0.008	5
26.	Anionic Detergent as MBAS	mg/l	ND	0.2
27.	Chromium as Cr ⁶⁺	mg/l	0.002	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	0.005	1

*ND- Not Detectable

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(Authorised Signatory)