

Issued to:

M/s Vijay Kumar Baghel Dgm (Chemistry)
Vikas Bhawan, NTPC Korba Post-Jamnipali,
Distt-Korba Chhattigarh-495450



QR-0302

Report No. : 29267241125GEN1143
Date of Issue : 11.12.2024
Date of Receipt : 25.11.2024
Party Ref No. : Nil,
Letter Date : 18.11.2024

Sample Description: - Described as Township Drinking Water was received
Mark:- Sample No- 1

TEST REPORT

S. No.	Test	Requirements Acceptable limit IS: 10500/2012, Amd No.- 1,2,3 & 4	Results	Permissible Limit/IS:10500/2012, in the absence of Alternate Source Amd No.- 1,2,3 & 4	Test Method
I. Chemical Testing (Water)					
Table-1 Organoleptic and Physical parameter (clause 4)					
1.	Colour, Hazen unit, Max.	5	< 2	15	IS:3025(P-4)
2.	Odour	Agreeable	Agreeable	Agreeable	IS:3025(P-5)
3.	Taste	Agreeable	Agreeable	Agreeable	IS:3025(P-7 & 8)
4.	Turbidity NTU, Max	1	<1	5	IS:3025(P-10)
5.	pH value	6.5 to 8.5	7.16	No Relaxation	IS:3025(P-11)
6.	Total Dissolved Solids, mg/l, Max.	500	98.0	2000	IS:3025 (P-16)
Table-2 General Parameters Concerning Substances undesirable in excessive amounts (Clause 4)					
1.	Total Hardness (as CaCO ₃) mg/l, Max.	200	45.6	600	IS:3025(P-21)
2.	Iron (as Fe) mg/l, Max.	1.0	BLQ (0.001)	No Relaxation	IS:3025(P-65)
3.	Chloride (as Cl) mg/l, Max.	250	6.0	1000	IS:3025(P-32)
4.	*Residual free chlorine mg/l, Min.	0.2	BLQ(0.1)	1.0	IS:3025(P-26)
5.	Fluoride (as F) mg/l, Max.	1.0	< 0.2	1.5	APHA.4500F ⁺ 24 th Edition
6.	Calcium (as Ca) mg/l, Max.	75	14.0	200	IS:3025(P-40)
7.	Magnesium (as Mg) mg/l, Max.	30	2.4	100	IS:3025(P-46)
8.	Copper (as Cu) mg/l, Max.	0.05	BLQ(0.001)	1.5	IS:3025(P-65)
9.	Manganese (as Mn) mg/l, Max.	0.1	BLQ(0.001)	0.3	IS:3025(P-65)
10.	Sulphate (as SO ₄) mg/l, Max.	200	3.1	400	IS:3025(P-24/Sec-1)
11.	Nitrate (as NO ₃), mg/l, Max.	45	BLQ(0.5)	No Relaxation	IS:3025(P-34/sec-)
12.	Ammonia (as Total ammonia-N), mg/l Max.	0.5	BLQ(0.5)	No Relaxation	IS:3025(P-34/sec-1)
13.	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max.	0.001	BLQ(0.001)	0.002	IS:3025(P-43/Sec-1)
14.	Zinc (as Zn), mg/l, Max.	5	BLQ(0.001)	15	IS:3025(P-65)
15.	Aluminium (as Al), mg/l Max.	0.03	BLQ(0.001)	0.2	IS:3025(P-65)
16.	Anionic detergents (as MBAS), mg/l Max.	0.2	BLQ(0.05)	1.0	IS:3025(P-68)

ULR TC1446124000005803F

Page 1 of 3

M.C. GOEL
Authorised Signatory - Director

Director

Issued to:

M/s Vijay Kumar Baghel Dgm (Chemistry)
Vikas Bhawan, NTPC Korba Post-Jamnipali,



TC-14461

QR-0302

Report No. : 29267241125GEN1143

Date of Issue : 11.12.2024

Sample Description: - Described as Township Drinking Water was received

Mark:- Sample No- 1

TEST REPORT

S. No.	Test	Requirements Acceptable limit IS: 10500/2012, Amd No.- 1,2,3 & 4	Results	Permissible Limit/IS:10500/201 2, In the absence of Alternate Source Amd No.- 1,2,3 & 4	Test Method
17.	Barium (as Ba), mg/l, Max.	0.7	BLQ(0.001)	No Relaxation	IS:3025(P-65)
18.	Boron (as B), mg/l Max.	0.5	BLQ(0.2)	2.4	IS:3025(P-57)
19.	Chloramines (as Cl ₂), mg/l, Max.	4.0	BLQ(0.1)	No Relaxation	IS:3025(P-26)
20.	Mineral Oil, mg/l, Max.	1.0	BLQ(0.2)	No Relaxation	IS:3025(P-39)
21.	Selenium (as Se), mg/l Max.	0.01	BLQ(0.001)	No Relaxation	IS:3025(P-65)
22.	Silver (As Ag), mg/l, Max.	0.1	BLQ(0.001)	No Relaxation	IS:3025(P-65)
23.	Sulphide (as H ₂ S), mg/l, Max.	0.05	BLQ(0.005)	No Relaxation	IS:3025(P-29)
24.	Total Alkalinity (as CaCO ₃), mg/l, Max.	200	25.9	600	IS:3025(P-23)

Table-3 Parameters Concerning Toxic Substances (Clause 4)

1.	Cadmium (as cd), mg/l Max.	0.003	BLQ(0.001)	No Relaxation	IS:3025(P-65)
2.	Cyanide (as CN), mg/l Max.	0.05	BLQ(0.01)	No Relaxation	IS:3025(P-27/sec-1)
3.	Lead (as Pb), mg/l, Max.	0.01	BLQ(0.001)	No Relaxation	IS:3025(P-65)
4.	Mercury (as Hg), mg/l Max.	0.001	BLQ(0.001)	No Relaxation	IS:3025(P-65)
5.	Uranium (as U), mg/l, Max	0.03	BLQ(0.001)	No Relaxation	IS:3025(P-65)
6.	Molybdenum (as Mo), mg/l Max.	0.07	BLQ(0.001)	No Relaxation	IS:3025(P-65)
7.	Nickel (as Ni), mg/l Max.	0.02	BLQ(0.001)	No Relaxation	IS:3025(P-65)
8.	Total Arsenic (as As), mg/l Max.	0.01	BLQ(0.001)	No Relaxation	IS:3025(P-65)
9.	Total Chromium (as Cr), mg/l Max.	0.05	BLQ(0.001)	No Relaxation	IS:3025(P-65)
10.	Poly chlorinated biphenyls, mg/l Max.	0.0005	BLQ(0.00005)	No Relaxation	DTH/SOP/CHEM/INST/65
11.	Poly nuclear aromatic hydrocarbons (as PAH), mg/l,Max.	0.0001	BLQ(0.00005)	No Relaxation	DTH/SOP/CHEM/INST/65
12.	Trihalomethanes: a) Bromoform, mg/l Max. b) Dibromochloromethane mg/l Max c) Bromochloromethane mg/l Max. d) Chloroform, mg/l, Max.	0.1 0.1 0.06 0.2	BLQ(0.0005) BLQ(0.0005) BLQ(0.0005) BLQ(0.0005)	No Relaxation No Relaxation No Relaxation No Relaxation	DTH/SOP/Chem/Inst/57

ULR TC1446124000005803F

Page 2of 3

M.C. GOEL
(Signature)
Authorised Signatory - Director
Director

Issued to:

M/s Vijay Kumar Baghel Dgm (Chemistry)
Vikas Bhawan, NTPC Korba Post-Jamnipali,



QR-0302

Report No. : 29267241125GEN1143

Date of Issue : 11.12.2024

Sample Description: - Described as Township Drinking Water was received

Mark:- Sample No- 1

TEST REPORT

TEST REPORT					
S. No.	Test	Requirements Acceptable limit IS: 10500/2012, Amd No.- 1,2,3 &4	Results	Permissible Limit/IS:10500/2012, In the absence of Alternate Source Amd No.- 1,2,3 & 4	Test Method
III	Biological Testing (Water)				
Table-6 Bacteriological Test as per Clause 4.1.1					
S. No.	Test	Requirements Acceptable limit IS: 10500/2012, Amd No.- 1,2,3 &4	Results	Test Method	
1.	Coliform Organisms/100ml	Shall be not detected	Not Detected	IS:15185	
2.	E.Coli/100 ml	Shall be not detected	Not Detected	IS:15185	

Remarks: - The Sample Conforms to the IS: 10500:2012 with respect to above test only

Note: 1 BLQ- Below Limit of Quantification

2. Figure in Bracket Indicate Minimum Limit of Quantification.

3. *Applicable only when water is chlorinated.

Note: 4. No Deviation from the Standard Test Method/Specification is done unless specified or requested by the client.

5. While giving the conformity statement laboratory does not consider Uncertainty Measurement into account.

6. General terms & conditions are given on the back side of the report.

Date of start of testing : 25.11.2024

Date of completion of testing : 02.12.2024

ULR TC144612400005803F For report verification email to report_verify@delhitesthouse.com

Page 3 of 3


Reviewed By

END OF REPORT

M.C. GOEL

Authorised Signatory - Director
Director