

**DISTRICT WATER TESTING LABORATORY**  
(National Drinking Water Mission)

District- Surguja

**Samples**

- (i) Date of Collection- 17.08.2022
- (ii) Date of Received- 17.08.2022
- (iii) Date of Analysis - 17.08.2022

**Details of Source & Location**  
**D.A.V.MUKHYAMANTRI PUBLIC SCHOOL**  
PARSA, BLOCK - AMBIKAPUR, DISTT.- SURGUJA(C.G.)  
**Water sample** – Bore well/Filter water

Ref. No./DAVMPS/PARSA/2022-23/028  
Note- Water sample brought by Staff.

Date : 16/08/2022

S No	Characteristics	Unit Table	Acceptable	Cause of rejection	Results				
					(i)	(ii)	(iii)	(iv)	(v)
<b>PHYSICAL</b>									
1	Temperature								
2	Turbidity	N.T.U	1.0	5.0	2.43				
3	Colour	Pt Cobalt Scale	5.0	25	5.00				
4	Taste&Odour	-	Unobjectionable	objectionable	Nil				
<b>Chemical</b>									
5	pH	pH Scale	6.5 to 8.5	<6.5 or >9.2	7.00				
6	Conductivity	Micro mhos/cm	-	-	248				
7	Total Alkalinity	mg/l	200	600	76.84				
8	Chlorides	mg/l	200	1000	45.0				
9	Nitrates	mg/l	45	45	3.00				
10	Total Hardness (as CaCO3)	mg/l	200	600	100.7				
11	Calcium (as ca)	mg/l	75	200	25.08				
12	Magnesium (as Mg)	mg/l	30	150	9.23				
13	Iron	mg/l	0.1	1.0	N.D.				
14	Fluorides	mg/l	1.0	1.5	0.35				
15	Sulphates (as S04)	mg/l	200	400	20.0				
16	Total dissolved Solids	mg/l	500	2000	159				
17	Residual Chlorine	mg/l	0.2	1.0	N.D.				
18	Coagulant Dose(Jar tests)	mg/l	-	-					
19	Dissolve Oxygen	-	-	-					
20	B.O.D.	-	-	-					
21	C.O.D.	-	-	-					
<b>BACTERIOLOGICAL (H2S Vials kits analysis)</b>									
22	Coli form organisms At 37° C	M.P.N/ 100ml	24 Hrs		Absent				
			48 Hrs		Absent				
23	Faecal Coli form Special test-	Per 100 ml							

REMARK - To remove Nitrate by Chlorination.

\* N.D.- Not Dedecte

  
 Quality Manager  
 District Water Testing Laboratory  
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 PHED, Ambikapur, Surguja (C.G.)