



# KERALA WATER AUTHORITY

QUALITY CONTROL DISTRICT LABORATORY, PALAKKAD-1

Phone: 0491-2545550

## REPORT ON ANALYSIS OF WATER

I. Name & Address : *Bapsu English medium school Palakkad*

III. Date of Collection : *22/3/15*

II. Date of Testing :

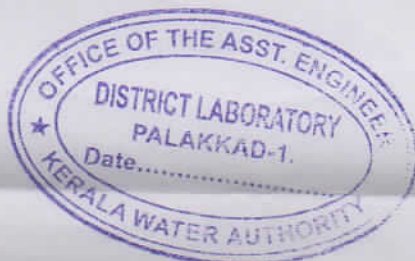
IV. Sample is collected by : *poorly*

Specification BIS 10500:2012

Sl. No.	Characteristics	Unit	Acceptable Limit	Permissible Limit	Actual Contents / Samples	
					1	2
<b>PHYSICAL PARAMETERS</b>						
1.	Turbidity	NTU	1	5	<i>1.0</i>	
2.	Electrical Conductivity	Micro mhos/cm			<i>369</i>	
3.	pH		6.5 to 8.5	No. Relaxation	<i>6.9</i>	
4.	Total Dissolved Solids	mg/litre	500	2000	<i>284.13</i>	
<b>CHEMICAL PARAMETERS</b>						
5.	Acidity	mg/litre			<i>20</i>	
6.	Alkalinity	mg/litre	200	600	<i>116</i>	
7.	Total Hardness (as Ca CO <sub>3</sub> )	mg/litre	200	600	<i>146</i>	
8.	Calcium (as Ca)	mg/litre	75	200	<i>32.06</i>	
9.	Magnesium (as Mg)	mg/litre	30	100	<i>16.03</i>	
10.	Chloride (as Cl)	mg/litre	250	1000	<i>22</i>	
11.	Fluoride	mg/litre	1.0	1.5	<i>0.83</i>	
12.	Iron (as Fe)	mg/litre	0.3	1.0	<i>0.58</i>	
13.	Nitrate (as NO <sub>3</sub> )	mg/litre	45		<i>1.24</i>	
14.	Sulphate (as SO <sub>4</sub> )	mg/litre	200	400	<i>18.16</i>	
15.	Dissolved Oxygen	mg/litre				
16.	Biochemical Oxygen Demand (BOD)	mg/litre				
17.	Chemical Oxygen Demand (COD)	mg/litre				
18.	Residual Chlorine (Min)	mg/litre	0.2	1		
19.	Phosphate (as PO <sub>4</sub> )	mg/litre				
20.	Manganese	mg/litre	0.1	0.3		
21.	Others					
<b>BACTERIOLOGICAL ANALYSIS</b>						
22.	Coliforms	No. of Coliforms/100ml	Shall not be detectable in any		<i>0</i>	
23.	Echerichia Coli	No. of E Coli/100ml	100ml sample			

24. Remarks *1000 above desirable but within permissible limit.*

Chemist *[Signature]*



*[Signature]*  
Signature of Assistant Engineer  
QUALITY CONTROL DISTRICT LA  
KERALA WATER AUTHORITY  
PALAKKAD