



**KERALA WATER AUTHORITY**  
**QUALITY CONTROL DISTRICT LABORATORY**  
**MALAPPURAM-676505 PHONE: 0483-2738735**  
**REPORT ON ANALYSIS OF WATER**

Code No:HI 96

Name & Address:		<b>HIRA Public School, Poolamanna</b>				
Source of Sample: Bore Well (Unsealed sample brought by party).						
Date of Collection:			23.12.2020		Date of Testing: 23.12.2020	
Amount to be Collected		850.00	Receipt No 599596		Date 23.12.2020	
Sl. No	Charecteristics	Unit	As Per IS 10500 : 2012		Actual Contents	
			Desirable Limits	Permissible Limit	1	2
1	Turbidity	NTU	1	5	0.9	
2	Appearance				Clear	
3	Odour				Agreeable	
4	pH		6.5-8.5	6.5-8.5	7.56	
5	Electrical Conductivity	mho/cm			424.0	
6	Total Dissolved Solids	mg/litre	500	2000	284.1	
7	Acidity	mg/litre			4.0	
8	Alkalinity (Total)	mg/litre	200	600	138.0	
9	Total Hardness(as CaCO <sub>3</sub> )	mg/litre	200	600	192.0	
10	Calcium	mg/litre	75	200	40.08	
11	Magnesium	mg/litre	30	100	22.36	
12	Chloride	mg/litre	250	1000	22.0	
13	Flouride	mg/litre	1	1.5	BDL	
14	Iron	mg/litre	0.3	0.3	0.20	
15	Nitrate	mg/litre	45	45	1.1	
16	Sulphate	mg/litre	200	400	BDL	
17	Ammonia	mg/litre	0.5	0.5	BDL	
18	Residual Chlorine		0.2	0.5	Nil	
19	Total Coliforms	No./100ml	Zero	Zero	Nil	
20	E-Coli	No of colonies / 100ml	Absent	Absent	Absent	

\*BDL- Below Detectable Limit      TNTC - Too Numerous To Count

**Remarks:** All above teste parameters are within the desirable limit.

**Chemist**  
*[Signature]*  
 Assistant Engineer, Quality Control District Lab  
 Kottakkunnu, Malappuram  
 676505

- General Suggestions based on the information furnished during the interaction*
1. Well surrounding should be kept dry and clean.
  2. To avoid waste water intrusion, septic tank, soak pit, solid waste pit, kitchen / laundry waste water collecting pit etc should properly constructed and maintained minimum 15 meters away from the well.
  3. Well water should be analysed at least once in every year.

**SUSHAMA DEVI.A.S**  
**PRINCIPAL**  
**HIRA PUBLIC SCHOOL**  
 (Affiliated to CBSE, New Delhi, Aff.No: 931173)  
 Poolamanna - Tuvvur, Pin: 679 327

*[Signature]*  
 Assistant Engineer  
 QUALITY CONTROL DISTRICT LAB  
 KERALA WATER AUTHORITY  
 KOTTAKKUNNU, MALAPPURAM

*[Signature]*