

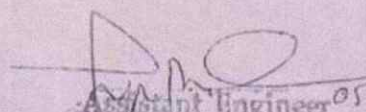
Government of Andhra Pradesh IWQM Water Testing Laboratory  
 O/o The Executive Engineer  
 Rural Water Supply & Sanitation Department Penukonda  
**TEST REPORT ON CHEMICAL ANALYSIS OF WATER(DRINKING)**  
 General physical Chemical Parameters and Bacteriological Analysis

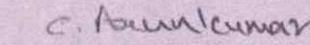
Name of Address: **Global Gen English Medium High School, Madakasira Road of Penkonda mandal (Treated Water)**

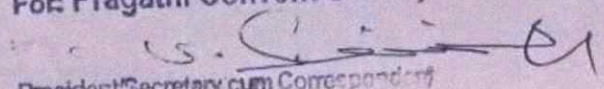
Test Report ID No **167**  
 Description of the test items: Chemical Analysis  
 Date of Collection : 05.12.2023  
 Date of Receipt : 05.12.2023


Date of Analysis : 05.12.2023  
 Date of Issue: 05.12.2023

Sl. No	Physico-Chemical Parameters	Units	Bore water before filtration	Bore water after filtration	VMC tap water	Water at Delivery point	As per IS (10500 - 2012)	
							Requirement (Acceptable Limit)	Permissible Limit (in the absence of alternative source)
1	Colour	Co-Pt						
2	Turbidity	NTU		1.00			1.0	5.0
3	pH			6.80			6.5-8.5	No relaxation
4	Electrical Conductivity (EC)	micromhos/cm		78			-	-
5	Total Dissolved Solids(TDS)	mg/lit		50			500	2000
6	Total Alkalinity as CaCO <sub>3</sub>	mg/lit		60			200	600
7	Total Hardness as CaCO <sub>3</sub>	mg/lit		24			200	600
8	Calcium as Ca <sup>++</sup>	mg/lit		12			75	200
9	Magnesium as Mg <sup>++</sup>	mg/lit		2.92			30	100
10	Flouride as F <sup>-</sup>	mg/lit		0.50			1.0	1.5
11	Chloride as Cl <sup>-</sup>	mg/lit		72			250	1000
12	Nitrate as NO <sub>3</sub>	mg/lit		0.00			45	No relaxation
13	Total Iron as Fe	mg/lit		0.00			0.3	1

  
 Assistant Engineer 05/12/23  
 RWS & S Division, Penukonda

  
 Assistant Chemist  
 Division Level Water Testing Laboratory  
 Rural Water Supply & Sanitation Dept  
 Penukonda, Sathya Sai (Dist.)

**For: Pragathi Convent Society**  
  
 President/Secretary cum Correspondent

  
**PRINCIPAL**  
 Global Gen English Medium High School