

**GOVERNMENT OF TRIPURA**  
**DWS, WATER TESTING LABORATORY, MELAGHAR**  
**UNDER AE, DWS-SUB-DIVISION, MELAGHAR**  
**MELAGHAR, SEPAHIJALA, TRIPURA**

**REPORT ON PHYSICAL, CHEMICAL & BACTERIOLOGICAL ANALYSIS OF WATER SAMPLE**

Name of Scheme : OHP at School Date of Sample collection : 14/05/2025  
 Location of Sample : Melaghar English Medium H.S. School. Date of Sample Received : 14/05/2025  
 Name of G.P./VC/NPA : Melaghar Municipality Council. Date of Testing : 16/05/2025  
 Name of habitation/Ward No. :  
 Sample collected by :

Sl No.	Description of Tests	Result	Requirement as per IS: 10500:2012		Remarks
			Acceptance Limit	Permissible Limit	
1-	Temperature of the sample in C		05	15	
2	Colour in Hazen unit		Agreeable	Agreeable	
3	Odour		Agreeable	Agreeable	
4	Taste		01	05	
5	Turbidity in NTU	0.420	6.5 to 8.5	No relaxation	
6	pH value	6.91	500	2000	
7	Total Dissolved Solid (mg/l)		200	600	
8	Total Hardness as CaCO <sub>3</sub> (mg/l)		200	600	
9	Total Alkalinity as CaCO <sub>3</sub> (mg/l)		1	No relaxation	
10	Iron as Fe (mg/l)	0.104	250	1000	
11	Chloride as Cl (mg/l)		0.2	1	
12	Free Residual Chlorine (mg/l)	00	0.1	0.3	
13	Manganese as Mn (mg/l)		75	200	
14	Calcium as Ca (mg/l)		30	100	
15	Magnesium Mg (mg/l)		0.01	No relaxation	
16	Arsenic as As (mg/l)		1.0	1.5	
17	Flouride as F (mg/l)		200	400	
18	Sulphate as SO <sub>4</sub> (mg/l)		45	No relaxation	
19	Nitrate as NO <sub>3</sub> (mg/l)		06 or >06	No relaxation	
20	Dissolve Oxygen as O <sub>2</sub> (mg/l)		0(Zero)no./100 ml	0(Zero)no./100 ml	
21	Total Coliform Bacteria (MNP)	00	0(Zero)no./100 ml	0(Zero)no./100 ml	
22	Fecal Coliform Bacteria (MNP)		0(Zero)no./100 ml	0(Zero)no./100 ml	

Analysed by

B 16/05/2025  
 Sr. Research Assistant  
 DWS Water Testing (Lab)  
 DWS, Sub-Division, Melaghar  
 Melaghar, Sepahijala, Tripura

[Signature]  
 Assistant Engineer  
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