


RURAL DRINKING WATER & SANITATION DEPARTMENT, GoK

District Water Quality Testing Laboratory Mandya

O/o Executive Engineer, Rural Drinking Water & Sanitation Division,

Opp.Rural Police Station, Bannuru road, Mandya 571401

e-mail: rdwsd.wqmsp.mandya@gmail.com

TEST REPORT					
KENDRIYA VIDYALAYA MANDYA			Report date:31.07.2024		
			Date of Sample collection: 29.07.2024		
			Analysis start date:30.07.2024		
			Analysis completion date:30.07.2024		
			Sample collection protocol: APHA(23rd Edition)1060		
Sample Particulars:RO(DRINKING WATER) (S183)			Sample quantity: 1 Ltr		
Sl.No	Test	Result	Acceptable Limit IS 10500 : 2012	Permissible Limit IS 10500 : 2012	Test Methods
1	Colour, Hazen Units	< 1	5	15	IS 3025 (Part-4) :2021
2	Odour	Agreeable	Agreeable	not Agreeable	IS 3025 (Part-5):2018
3	pH Value @Temp	7.11@ 25°C	6.5 – 8.5	No relaxation	IS 3025 (Part-11) : 2022
4	Turbidity, NTU	< 0.5	1	5	IS 3025 (Part-10) : 2023
5	Specific Conductance, µS/cm @ Temp	70.75µS/cm @ 25°C	–	–	IS 3025 (Part-14) : 2013
6	Total Dissolved Solids @180°C, mg/l	40	500	2000	IS 3025 (Part-16) : 2023
7	Alkalinity as CaCO ₃ , mg/l	20.3	200	600	IS 3025 (Part-23) : 2023
8	Total Hardness as CaCO ₃ , mg/l	24.3	200	600	IS 3025 (Part-21) : 2009
9	Calcium as Ca, mg/l	6.5	75	200	IS 3025 (Part-40) : 1991
10	Magnesium as Mg, mg/l	2	30	100	IS 3025 (Part-46) : 2023
11	Chloride as Cl, mg/l	13.8	250	1000	IS 3025 (Part-32) : 1988
12	Fluoride as F, mg/l	0.13	1	1.5	APHA 24 th Edition 4500-F:D
13	Sulphate as SO ₄ , mg/l	0.1	200	400	IS 3025 (Part-24/Sec 1) : 2022
14	Nitrate as NO ₃ , mg/l	1.33	45	No relaxation	APHA 24 th Edition 4500-NO3-B
15	Iron as Fe, mg/l	< 0.1	1	No relaxation	IS 3025 (Part-53) : 2024
Remark: All the above Tested Parameter Conforms Acceptable Limit, As per IS 10500:2012 Specification.					
Reviewed by:				Authorized Signatory:	
Quality Manager				Technical Manager	
(ASHWINI S)				(JAYASHEELA R S)	

RDWSD/WQMSP/TeR/01

Note:

- 1) The above results relate only to the sample tested.
- 2) The report shall not be reproduced except in full without the prior approval of the Quality Manager.
- 3) Traceability: Traceability of measurements is established using CRMs traceable to
- 4) Samples will be discarded after 15 days from the date of report generation.
- 5) Decision rule is applicable as per the procedure mentioned in RDWSD/WQMSP/DR-01.

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			Date of Sample collection: 29.07.2024		
			Analysis start date:30.07.2024		
			Analysis completion date:30.07.2024		
Sample collection protocol: APHA(23rd Edition)1060					
Sample Particulars:BORE WELL WATER (S182)			Sample quantity: 1 Ltr		
Sl.No	Test	Result	Acceptable Limit IS 10500 : 2012	Permissible Limit IS 10500 : 2012	Test Methods
1	Colour, Hazen Units	< 1	5	15	IS 3025 (Part-4) :2021
2	Odour	Agreeable	Agreeable	not Agreeable	IS 3025 (Part-5):2018
3	pH Value @Temp	8.07@ 25°C	6.5 – 8.5	No relaxation	IS 3025 (Part-11) : 2022
4	Turbidity, NTU	< 0.5	1	5	IS 3025 (Part-10) : 2023
5	Specific Conductance, µS/cm @ Temp	1790µS/cm @ 25°C	-	-	IS 3025 (Part-14) : 2013
6	Total Dissolved Solids @180°C, mg/l	1074	500	2000	IS 3025 (Part-16) : 2023
7	Alkalinity as CaCO ₃ , mg/l	751.1	200	600	IS 3025 (Part-23) : 2023
8	Total Hardness as CaCO ₃ , mg/l	485.2	200	600	IS 3025 (Part-21) : 2009
9	Calcium as Ca, mg/l	68	75	200	IS 3025 (Part-40) : 1991
10	Magnesium as Mg, mg/l	76.6	30	100	IS 3025 (Part-46) : 2023
11	Chloride as Cl, mg/l	173.4	250	1000	IS 3025 (Part-32) : 1988
12	Fluoride as F, mg/l	0.69	1	1.5	APHA 24 rd Edition 4500-F:D
13	Sulphate as SO ₄ , mg/l	87	200	400	IS 3025 (Part-24/Sec 1) : 2022
14	Nitrate as NO ₃ , mg/l	23.31	45	No relaxation	APHA 24 rd Edition 4500-NO3-B
15	Iron as Fe, mg/l	< 0.1	1	No relaxation	IS 3025 (Part-53) : 2024
Remark: All the above Tested Parameter Conforms Permissible Limit, As per IS 10500:2012 Specification.Except Alkalinity.					
Reviewed by: Quality Manager (ASHWINI S)			Authorized Signatory: Technical Manager (JAYASHEELA R S)		

RDWSD/WQMSP/TeR/01

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