



RURAL DRINKING WATER & SANITATION DEPARTMENT, GoK
RAICHUR DISTRICT WATER QUALITY TESTING LABORATORY - RDWSD
 CELLAR PORTION, PRED PREMISES, RAICHUR, KARNATAKA, INDIA
 E-mail: rdwsdwqmspraichurlab@gmail.com



TEST REPORT

ULR NO : TC163192600000079F
 Report date: 29/08/2026
 Report Number:RAI26AUG0012
 Reference: Sample receipt Form(Departmental)
 Sample receipt date: 27/08/2026
 Sample code: RAI26AUG0012
 Date of Sample collection: 27/08/2026
 Analysis start date: 29/08/2026
 Analysis completion date: 29/08/2026
 Sample collection protocol: APHA 24th Edition
 Environmental Condition : 25.5° C
 Sample quantity: 1000 mL

TO,
 PM SHRI KENDRIYA VIDYALAYA RAICHUR-584101

SAMPLE DETAILS:
 ADDRESS OF THE SAMPLE LOCATION : AT SCHOOL

Sample Particulars: DRINKING WATER (WPP)

Sl.No	Test	Results	Acceptable Limit IS 10500 : 2012 RA:2018	Permissible Limit IS 10500 : 2012 RA:2018	Protocol
Sample Description / Condition : Clear					
1.	Ph value @25° C	7.84	6.5 – 8.5	No relaxation	IS 3025 (Part-11) : 2022
2.	Specific Conductance, $\mu\text{S}/\text{cm}$ @ Temp 25° C	378	—	—	IS 3025 (Part-14) : 2019
3.	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5) :2018
4.	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part-8) :2023
5.	Colour, Hazen Units	01	5	15	IS 3025 (Part-4) :2021
6.	Turbidity, NTU	0.1	1	5	IS 3025 (Part-10) : 2023
7.	Total Dissolved Solids @ 180°C, mg/l	260	500	2000	IS 3025 (Part-16) : 2023
8.	Total Alkalinity as CaCO_3 , mg/l	38	200	600	IS 3025 (Part-23) : 2023
9.	Total Hardness as CaCO_3 , mg/l	26.02	200	600	IS 3025 (Part-21) : 2019
10.	Calcium as Ca, mg/l	6.41	75	200	IS 3025 (Part-40) : 2024
11.	Magnesium as Mg, mg/l	2.43	30	100	IS 3025 (Part-46) : 2023
12.	Chloride as Cl, mg/l	89	250	1000	IS 3025 (Part-32) : 2019
13.	Sulphate as SO_4 , mg/l	18.40	200	400	IS 3025 (Part-24) :2022
14.	Fluoride as F, mg/l	0.52	1	1.5	APHA 24 th Edition 4500F-D:2023
15.	Nitrate as NO_3 , mg/l	1.87	45	No relaxation	APHA 24 th Edition 4500-NO3- B:2023
16.	Iron as Fe, mg/l	0.10	1	No relaxation	IS 3025 (Part-53) : 2024

Remarks: The given sample Specified Parametrs conforms within the Acceptable of IS 10500:2012 RA:2018 Drinking water specification for above Tested physical & chemical parameters only.

Verified By:

Authorized Signatory

Senior Analyst (TM) / Junior Analyst
 (Sumitra) (Chandrika)

Senior Analyst (TM) / Junior Analyst
 (sumitra) (Chandrika)

Note:

RDWSD/WQMSP/TeR/01

- The above results relate only to the sample tested.
- The report shall not be reproduced except in full without the prior approval of the Quality Manager.
- Traceability: Traceability of measurements is established using CRMs traceable to National/International standards.
- Samples will be discarded after 15 days from the date of report generation.
- Decision rule is applicable as per the procedure mentioned in RDWSD/WQMSP
- Note : BDL-Below Detection Limit. NTU : Nephelometric meter

Dist. Water Testing Laboratory
 RDWSD Division, RAICHUR

----- End of the Report -----



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 Environmental Condition : 25.5° C
 Sample quantity: 1000 mL

TO,
 PM SHRI KENDRIYA VIDYALAYA RAICHUR-584101

SAMPLE DETAILS:
 ADDRESS OF THE SAMPLE LOCATION : AT SCHOOL

Sample Particulars: BORE WELL WATER

Sl.No	Test	Results	Acceptable Limit IS 10500 : 2012 RA:2018	Permissible Limit IS 10500 : 2012 RA:2018	Protocol
Sample Description / Condition : Clear					
1.	Ph value @25° C	8.23	6.5 – 8.5	No relaxation	IS 3025 (Part-11) : 2022
2.	Specific Conductance, $\mu\text{S}/\text{cm}$ @ Temp 25° C	665	—	—	IS 3025 (Part-14) : 2019
3.	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5) :2018
4.	Colour, Hazen Units	02	5	15	IS 3025 (Part-4) :2021
5.	Turbidity, NTU	0.1	1	5	IS 3025 (Part-10) : 2023
6.	Total Dissolved Solids @ 180°C, mg/l	450	500	2000	IS 3025 (Part-16) : 2023
7.	Total Alkalinity as CaCO_3 , mg/l	40	200	600	IS 3025 (Part-23) : 2023
8.	Total Hardness as CaCO_3 , mg/l	28.02	200	600	IS 3025 (Part-21) : 2019
9.	Calcium as Ca, mg/l	7.21	75	200	IS 3025 (Part-40) : 2024
10.	Magnesium as Mg, mg/l	2.43	30	100	IS 3025 (Part-46) : 2023
11.	Chloride as Cl, mg/l	94	250	1000	IS 3025 (Part-32) : 2019
12.	Sulphate as SO_4 , mg/l	22	200	400	IS 3025 (Part-24) :2022
13.	Fluoride as F, mg/l	1.07	1	1.5	APHA 24 th Edition 4500F-D:2023
14.	Nitrate as NO_3 , mg/l	3.58	45	No relaxation	APHA 24 th Edition 4500-NO3- B:2023
15.	Iron as Fe, mg/l	0.18	1	No relaxation	IS 3025 (Part-53) : 2024

Remarks: The given sample Specified Parametrs conforms within the Permissible Limit of IS 10500:2012 RA:2018 Drinking water specification for above Tested physical & chemical parameters only.

Verified By:

Senior Analyst (TM) / Junior Analyst
 (Sumitra) (Chandrika)

Authorized Signatory

Senior Analyst (TM) / Junior Analyst
 (sumitra) (Chandrika)

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