



**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                                                                                                                                                                                             |                                              |           |                                                                                                                 |                                                           |                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------|
| TO,<br>ROYAL KIDS INTERNATIONAL SCHOOL<br>YARAMARAS ROAD, SIRWAR CROSS, DEVADURGA.<br>RAICHUR-584111<br><br><u>SAMPLE DETAILS:</u><br>ADDRESS OF THE SAMPLE LOCATION : IN SCHOOL                        |                                              |           |                                                                                                                 | ULR NO : TC163192600000090F                               |                                                |
|                                                                                                                                                                                                         |                                              |           |                                                                                                                 | Report date: 23/09/2026                                   |                                                |
|                                                                                                                                                                                                         |                                              |           |                                                                                                                 | Report Number: DEV26SEP0006                               |                                                |
|                                                                                                                                                                                                         |                                              |           |                                                                                                                 | Reference: Sample receipt Form(Departmental)              |                                                |
|                                                                                                                                                                                                         |                                              |           |                                                                                                                 | Sample receipt date: 22/09/2026                           |                                                |
|                                                                                                                                                                                                         |                                              |           |                                                                                                                 | Sample code: DEV26SEP0006                                 |                                                |
|                                                                                                                                                                                                         |                                              |           |                                                                                                                 | Date of Sample collection: 22/09/2026                     |                                                |
|                                                                                                                                                                                                         |                                              |           |                                                                                                                 | Analysis start date: 23/09/2026                           |                                                |
|                                                                                                                                                                                                         |                                              |           |                                                                                                                 | Analysis completion date: 23/09/2026                      |                                                |
|                                                                                                                                                                                                         |                                              |           |                                                                                                                 | Sample collection protocol: APHA 24 <sup>th</sup> Edition |                                                |
| Environmental Condition : 25.5° C                                                                                                                                                                       |                                              |           |                                                                                                                 |                                                           |                                                |
| Sample Particulars: <b>BORE WELL WATER</b>                                                                                                                                                              |                                              |           |                                                                                                                 | Sample quantity: 1000 mL                                  |                                                |
| 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                              | 7.16      | 6.5 – 8.5                                                                                                       | No relaxation                                             | IS 3025 (Part-11) : 2022                       |
| 2.                                                                                                                                                                                                      | Specific Conductance, µS/cm@ Temp 25° C      | 514       | —                                                                                                               | —                                                         | IS 3025 (Part-14) : 2019                       |
| 3.                                                                                                                                                                                                      | Odour                                        | Agreeable | Agreeable                                                                                                       | Agreeable                                                 | IS 3025 (Part-5 ):2018                         |
| 4.                                                                                                                                                                                                      | Colour, Hazen Units                          | 01        | 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         | 320       | 500                                                                                                             | 2000                                                      | IS 3025 (Part-16) : 2023                       |
| 7.                                                                                                                                                                                                      | Total Alkalinity as CaCO <sub>3</sub> , mg/l | 84        | 200                                                                                                             | 600                                                       | IS 3025 (Part-23) : 2023                       |
| 8.                                                                                                                                                                                                      | Total Hardness as CaCO <sub>3</sub> , mg/l   | 120.10    | 200                                                                                                             | 600                                                       | IS 3025 (Part-21) : 2019                       |
| 9.                                                                                                                                                                                                      | Calcium as Ca, mg/l                          | 38.46     | 75                                                                                                              | 200                                                       | IS 3025 (Part-40) : 2024                       |
| 10.                                                                                                                                                                                                     | Magnesium as Mg, mg/l                        | 6.31      | 30                                                                                                              | 100                                                       | IS 3025 (Part-46) : 2023                       |
| 11.                                                                                                                                                                                                     | Chloride as Cl, mg/l                         | 42        | 250                                                                                                             | 1000                                                      | IS 3025 (Part-32) : 2019                       |
| 12.                                                                                                                                                                                                     | Sulphate as SO <sub>4</sub> , mg/l           | 2.3       | 200                                                                                                             | 400                                                       | IS 3025 (Part-24) :2022                        |
| 13.                                                                                                                                                                                                     | Fluoride as F, mg/l                          | 1.36      | 1                                                                                                               | 1.5                                                       | APHA 24 <sup>th</sup> Edition 4500F-D:2023     |
| 14.                                                                                                                                                                                                     | Nitrate as NO <sub>3</sub> , mg/l            | 15        | 45                                                                                                              | No relaxation                                             | APHA 24 <sup>th</sup> Edition 4500-NO3- B:2023 |
| 15.                                                                                                                                                                                                     | Iron as Fe, mg/l                             | 0.26      | 1                                                                                                               | No relaxation                                             | IS 3025 (Part-53) : 2024                       |
| <b>Remarks:</b> The given sample Specified Parametrns conforms within the Permissible Limit of IS 10500:2012 RA:2018 Drinking water specification for above Tested physical & chemical parameters only. |                                              |           |                                                                                                                 |                                                           |                                                |
| Verified By:<br><br>Senior Analyst (TM) / Junior Analyst<br>(Sumitra) (Chandrika)                                                                                                                       |                                              |           | Authorized Signatory<br><br>Senior Analyst (TM) / Junior Analyst<br>(sumitra) (Chandrika)<br>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 National/International standards.
- 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
- 6) Note : BDL-Below Detection Limit. NTU : Nephelometric meter

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