



Request for Quotation for Portable Water Testing Kits

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Habitat Nepal invites companies to submit a quotation for the supply of **two (2) Portable Water Testing Kits** as per the specifications outlined below. The kits will be used for testing drinking water quality and must meet the minimum technical and functional requirements.

1. General Requirements

- Portable and lightweight design, suitable for field and laboratory use.
- Rugged and weather-resistant carrying case.
- Easy to operate with minimal training.
- Includes all essential accessories and consumables for at least 100 tests.
- Clear instruction manual in English.

2. Parameters to be Tested

The kit must be capable of testing the following parameters:

- pH
- Turbidity
- Free and Total Chlorine
- Total Dissolved Solids (TDS) / Conductivity
- Temperature
- Hardness
- Nitrate / Nitrite
- Iron
- Fluoride
- Arsenic (if applicable)
- Total and Faecal Coliforms (microbiological testing)
- Other recommended tests by the Government of Nepal.

3. Microbiological Testing

- Portable incubator maintaining $37^{\circ}\text{C} \pm 1^{\circ}\text{C}$ and $44^{\circ}\text{C} \pm 1^{\circ}\text{C}$.
- Power options: mains, battery, or vehicle.
- Minimum capacity: 10–20 samples per cycle.
- Operates for at least 5 cycles per full charge.
- Includes membrane filtration apparatus, petri dishes, sterile absorbent pads.
- Media for at least 100 microbiological tests.

4. Chemical and Physical Testing

- Digital meters or visual comparators for pH, chlorine, turbidity.

- Reagents for at least 100 chemical tests.
- Clearly labeled reagents with name, quantity, and expiry date.
- Simple color comparator charts or digital display for result interpretation.

5. Power Supply

- Rechargeable battery and AC mains power (220V $\pm$ 10%, 50Hz).
- Optional vehicle adapter cable (12V DC).
- Minimum battery life for 5 complete test cycles per charge.

6. Documentation

- Operation and maintenance manual in English.
- Calibration certificate for digital meters and incubator.
- Consumables list and ordering details.

7. Supplier Responsibilities

- On-site training for operators.
- Availability of consumables and spare parts for at least 3 years.
- Calibration and technical support as needed.

8. Warranty and After-Sales Service

- One-year comprehensive warranty
- Spare parts and service support available within Nepal
- Contact details of authorized service centers

9. Submission Instructions

Please submit your quotation including:

- Unit price and total cost for 2 kits
- Delivery timeline
- Warranty and after-sales service details
- Validity of quotation
- Company registration Certificate
- VAT Registration Certificate
- Latest Tax Clearance Certificate

Interested firms/suppliers should submit their stamped financial quotation including the above-mentioned documents. Please write “**Water Testing Kit**” in the subject line of the email and submit the proposal no later than 23 November 2025 at procurement@habitatnepal.org

For any queries contact info@habitatnepal.org

Deadline for submission: 23 November 2025