

A Report on

General assessment of Govt. /NGO /private water testing laboratories in Kabul, Afghanistan

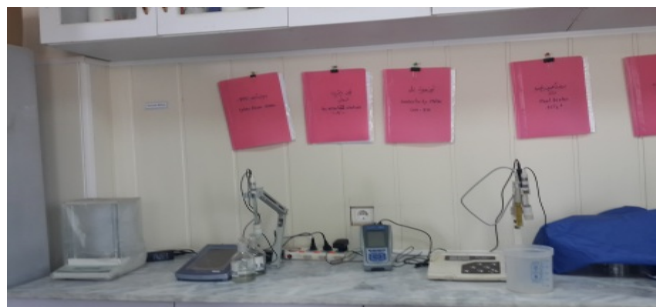
List of water testing laboratories assessed in Kabul

1. A
2. B
3. C
4. D
5. E
6. F

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Pictorial view of A laboratory



Physico-chemical
analytical tools



Samples



Bacteriological
analytical tools



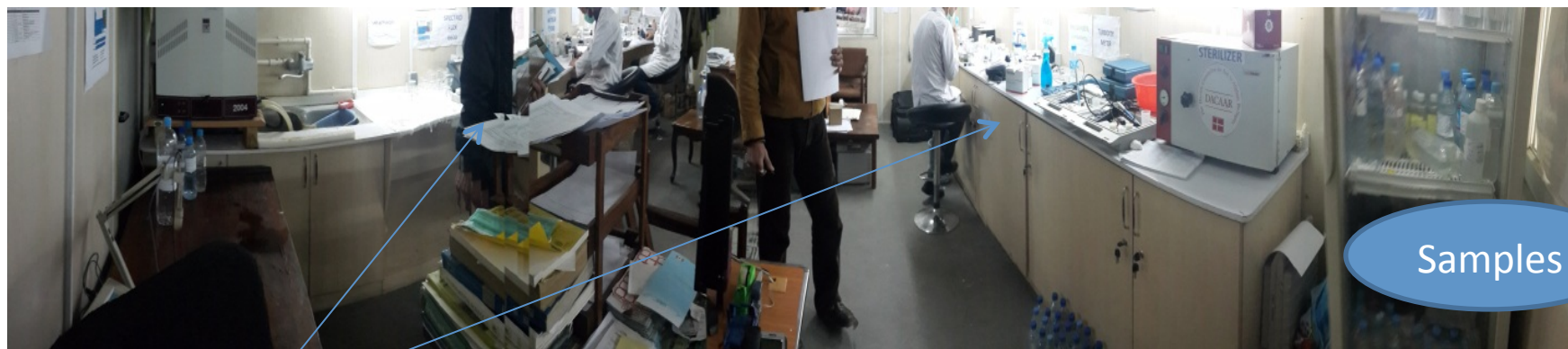
Chemicals
stored



Other analytical
instruments



Pictorial view of **B** laboratory



Physico-chemical &
Bacteriological
analytical tools



Pictorial view of C laboratory

Chemicals
stored



Samples



Physico-chemical
analytical tools



Findings

- 80% laboratories doesn't have regular sampling.
- 80% laboratory staff trained but still lack of standard laboratory knowledge.
- 50% have developed/following SOP (Standard Operation Procedure).
- 50% laboratories are not following Afghanistan National Standards for drinking water quality.
- 50% laboratories analyze samples by only test kits.
- Staff from irrelevant fields (qualifications) has been appointed as chemists in some laboratories.
- All laboratories have adopted all most all essential parameters for water analyses.
- No sample storage and preservation techniques adopted in any laboratory.

Findings *contd...*

- No reagent preparation in 70% of laboratories surveyed.
- Only drinking water is being analyzed, no wastewater analyses have been carried out so far yet.
- No statistical interpretation of analytical data for accurate reporting by any laboratory.
- No standard quality control in laboratories surveyed (justified by pictorial representation of each laboratory).
- No laboratory waste management in any laboratory.

**Your comments and suggestions are
highly needed**

Thank you!!!