

## Technical Assistance for Water Quality Testing and Quality Assurance in Nepal Multiple Indicator Cluster Survey (NMICS) 2019

**Status: Completed**

<b>Project Partners:</b>	UNICEF
<b>Project Area:</b>	All 77 districts of Nepal
<b>Project Duration:</b>	December 2018 to December 2019

### **Aim:**

- To assure quality data generation for water quality testing from MICS survey;
- To develop a manual of 'Water Quality Testing' in Nepali and train measurers for water quality testing;
- To verify the field test kits to be used for water quality testing in field.

### **Project Description:**

MICS provides data that are essential for developing evidence-based policies as well as monitoring progress towards national goals and global commitments aimed at promoting the welfare of children, including the Millennium Development Goals (MDGs). Since 1995, UNICEF has supported the implementation of MICS, assisting countries in generating high quality data on the situation of children.

Nepal MICS (NMICS) 2014, for the first time, included water quality testing module which generated valuable microbial water quality data of the water that is actually being consumed within the households in Nepal, in terms of *E. coli* and coliform bacteria. ENPHO provided its technical assistance in training on water quality testing and assuring quality of the activity in Nepal MICS 2019 as well.

### **Project Outputs:**

- Produced report on 'Technical Assistance for Water Quality Testing and Quality Assurance in Nepal Multiple Indicator Cluster Survey (NMICS) 2019';
- Produced a kit verification report- 'Verification of Coliform and Arsenic Kits for the Nepal Multiple Indicator Cluster (NMICS) 2019';
- Prepared Proceedings of Training on Water Quality Testing for Measurers 2019;
- Prepared Water Quality Testing Monitoring Reports on Phase I, II and III Monitoring Performance of Measurers;
- Revised English and Water Quality Questionnaire and the manual;
- Revised Instructions for filling Water Quality Questionnaire;
- Organized Project Review Workshop;
- Prepared Proceeding of Review Workshop;
- Prepared brief report on Measurers Feedback on Water Quality Module, NMICS 2019;
- Prepared validation report of duplicate testing for Arsenic;
- Prepared Proceeding of Review Workshop;
- Prepared brief report on Measurers Feedback on Water Quality Module, NMICS 2019;
- Prepared validation report of duplicate testing for Arsenic;

### Major Achievements:

- Pre-test of the EAWAG Millipore Bacteriological Field Test kit and Quick Arsenic Test Kit to be used for water quality testing;
- Revised version of English and Nepali Water Quality Questionnaire was prepared;
- Trained 18 water quality measurers for water quality testing for E. coli and Arsenic in field;
- Validation of duplicated testing for Arsenic;
- Completed performance monitoring of through observation and duplicate test, and suggesting corrective measures when required;
- Preparation of compilation report on Monitoring of performance of measurers.

### Beneficiaries:



2560 HHs



12,800 people reached