

**33rd Asia Pacific Metrology Programme General Assembly**  
**24 November – 1 December 2017**  
**New Delhi, India**

**Laboratory Report**

*National Metrology Laboratory of the Philippines*

**Section 1: Laboratory Related Matters**

Quite a number of new measurement standards and equipment aimed at strengthening the measurement capabilities of the NML in the fields of mass, volume, density, length, temperature and humidity have been acquired through the 5-year Metrology Program which was implemented at the start of this year.

Several laboratory rooms have also been renovated to accommodate the new equipment and to ensure that appropriate environmental conditions are maintained for accurate measurements.

Specialized technical trainings of NML personnel were accommodated by NMIJ and some private companies in Japan in the fields of length, volume, density, pressure and mass. This is aimed at developing technical competencies to enhance our existing calibration capabilities and to provide traceability and new services to our secondary calibration laboratories. In the fields of temperature and humidity, technical trainings of NML personnel at NMC Singapore have been pre-arranged.

**Section 2: CIPM MRA Related Activities**

Reports of the bilateral comparison, APMP.M.P-K7.2 and trilateral comparison, APMP.M.P-S9 to support the CMC claim of the NML in the pressure field are still being awaited.

**Section 3: International and Regional Cooperation**

The bilateral project of the Philippines with the Federal Republic of Germany under the German Technical Cooperation being implemented by PTB on “Strengthening of the National Quality Infrastructure in the Philippines” is on its last year and will come to an end very soon.

Within the framework of the MEDEA PTB Project, the NML participated in several training courses on the verification of bulk flow metering system, traceability in Rice Moisture Meters, verification of weighbridges and water meters, and Concluding Workshop on GPS Time Transfer.

The MEDEA project had also fully supported NML's participation in the Joint APLMF/APMP Workshop on Modernizing National Metrological Infrastructure and Validation workshop on the evaluation of the current MEDEA Phase.

The NML also participated in the Global Metrology Academy Group Course offered by KRISS on Mass and Related Quantities and Length and Dimensional Metrology through the support the APMP DEC.

The MiC team participated in the APEC Workshop on Capacity Building of Measurement Standards and Technologies in Grain Food Safety held at the NIM Changping Campus, China and MEDEA Workshop of Production of Certified Reference Materials in Singapore.

#### **Section 4: Activities relevant to APMP's "Focus Groups"**

*[Members are invited to include here any current activities or planned initiatives relevant to the work of the established focus groups: Medical Metrology, Energy Efficiency, Food Safety, Climate Change, and Clean Water.]*

The MiC Team participated in the APMP Focus Group on Metrology for Clean Water Meeting "Quality Water for Quality Life" held on 19-20 September 2017 in Indonesia.

#### **Section 5: Future Plans, Priorities and the Role of APMP**

Strengthening of NML's capabilities in force, pressure and flow measurements are the immediate needs that were identified and these will be addressed next year in terms of measurement standards and facility requirement, and will definitely require technical trainings of our personnel at other developed NMIs.

In order to provide the training needs of our secondary calibration laboratories on measurement uncertainty, we plan to seek the cooperation of developed NMIs to offer a comprehensive train-the-trainer course to selected NML personnel at their NMIs or to invite a resource person from developed NMIs to the Philippines to train our NML personnel to be trainers.

However, if this is a common need of DE NMIs, probably the training can be an activity of the DEC.

