

Establishment of Master Plan for the Advancement of National Meteorological System in Myanmar



Project Background

Myanmar is one of the vulnerable countries to climate change and its adverse effects such as intense and severe natural disasters. In 2008, Cyclone Nargis hit the south-central region of Myanmar with a wind speed of 52.7 m/s. As many as 20,000 houses were destroyed in Yangon only. According to an official report, Nargis left 77,738 people dead and 55,917 went missing.

Increasing economic, social and environmental impacts from natural disasters have required Myanmar to enhance its capacity in natural disaster monitoring and forecasting.

As a national meteorological service provider, the Department of Meteorology and Hydrology (DMH) under the Ministry of Transport in Myanmar is responsible for providing weather and climate information for natural disaster monitoring and forecasting. In this regard, there was increasing demand for the DMH to establish a long and medium term plan for the national meteorological system improvement to provide weather and climate information in a more accurate and timely manner.

The Korea Meteorological Administration (KMA) has supported the DMH in establishing a master plan for the advancement of the national meteorological system with its own experience and knowledge obtained during the process of rapid modernization and development of the national meteorological system.

Project Objectives

The objective of this project is to establish a master plan to support the modernization of forecasting and warning system for natural disasters in Myanmar.

Project Summary

Duration: 2015-2016 (2 years)

Management Agency:
Korea Meteorological Administration (KMA)

Implementing Agency:
Korea Meteorological Institute (KMI)

Beneficiary Agency:
Department of Meteorology and Hydrology (DMH), Ministry of Transport

Funding Source: KMA

Project Budget: 0.6 M USD



Key Activities

- Establishing a strategic plan for the advancement of national meteorological observation system
- Designing a comprehensive weather and climate forecasting system customized to Myanmar
- Developing a meteorological information delivery system for the government, public and private sector
- Establishing a plan for capacity building

Outputs

- The established master plan to support the modernization of forecasting and warning system for natural disasters in Myanmar
- Trained 10 meteorological professionals in Myanmar through capacity building

Outcomes

- Enhanced institutional capacity by having a national meteorological modernization plan
- Enhanced capacity of meteorological professionals in Myanmar for forecasting and natural disaster response



▲ Meeting with the Ambassador of Korea to Myanmar



▲ Field investigation at DMH Headquarters



▲ KMA/KMIPA-DMH-implementing agency meeting



▲ Presentation of project master plan 2016

"The ODA project by Korea will be an important opportunity for the meteorological development in Myanmar."

- Dr. Hrin Nei Thiam, Director General of DMH -