

People's Republic of Bangladesh



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Country Report

Bangladesh

Presented by: Abdul Awal
Assistant meteorologist.

Presenter's Organization : Bangladesh
Meteorological Department

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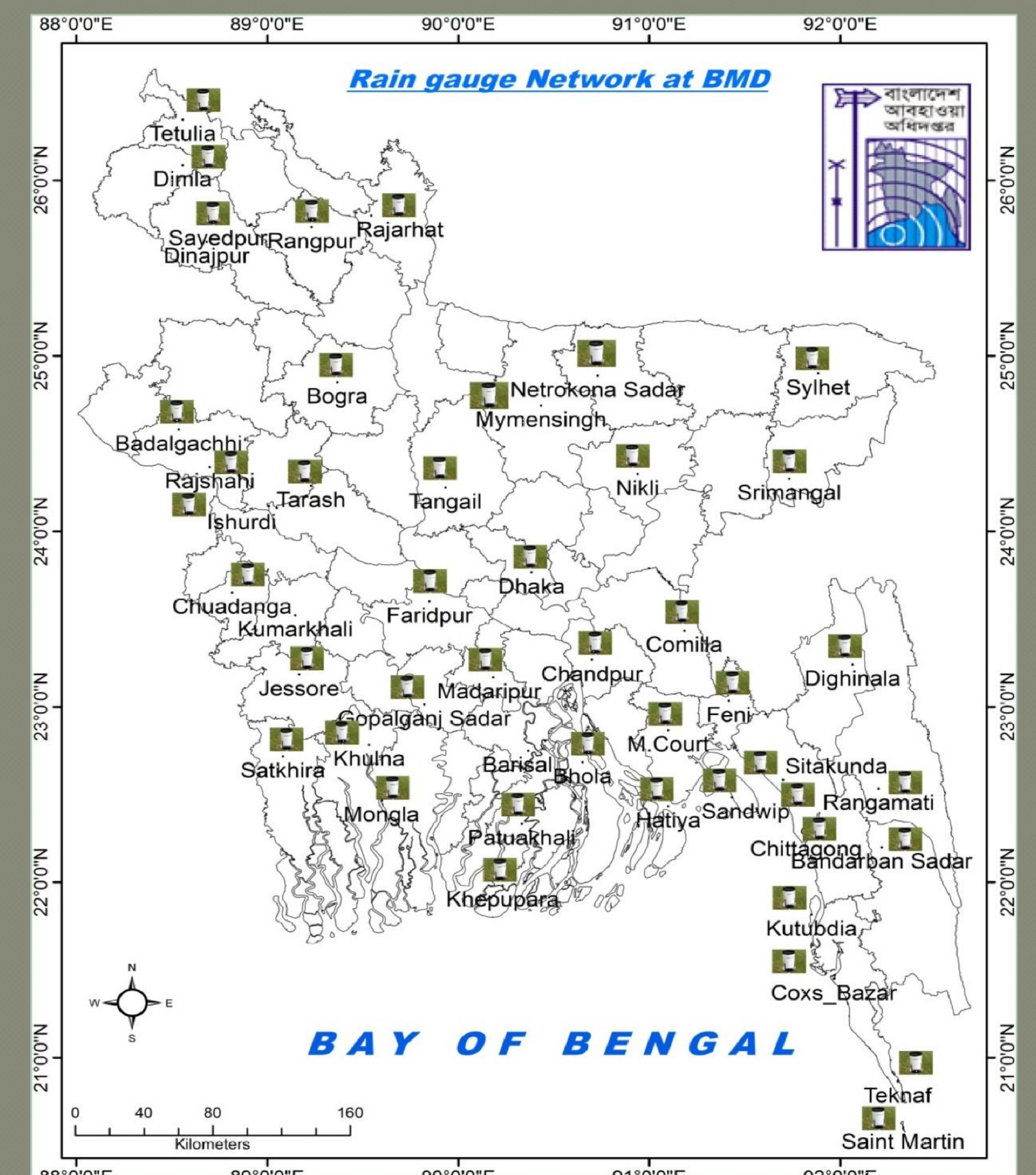
Observational Facilities of BMD

Synoptic observatories	54 Nos.
Pilot Balloon Observatories	10 Nos.
Rawin Sonde Observatories	04 Nos.
Agro Meteorological Observatories	19 Nos.
RADAR Stations (operational. Out of 5,3 are Doppler Radar)	05 Nos.
Earthquake Monitoring Stations	04 Nos.
Synoptic observatories	54 Nos.
Automatic Weather Stations (AWS)	58 Nos.
Geostationary Satellite Receiving System	02 Nos.

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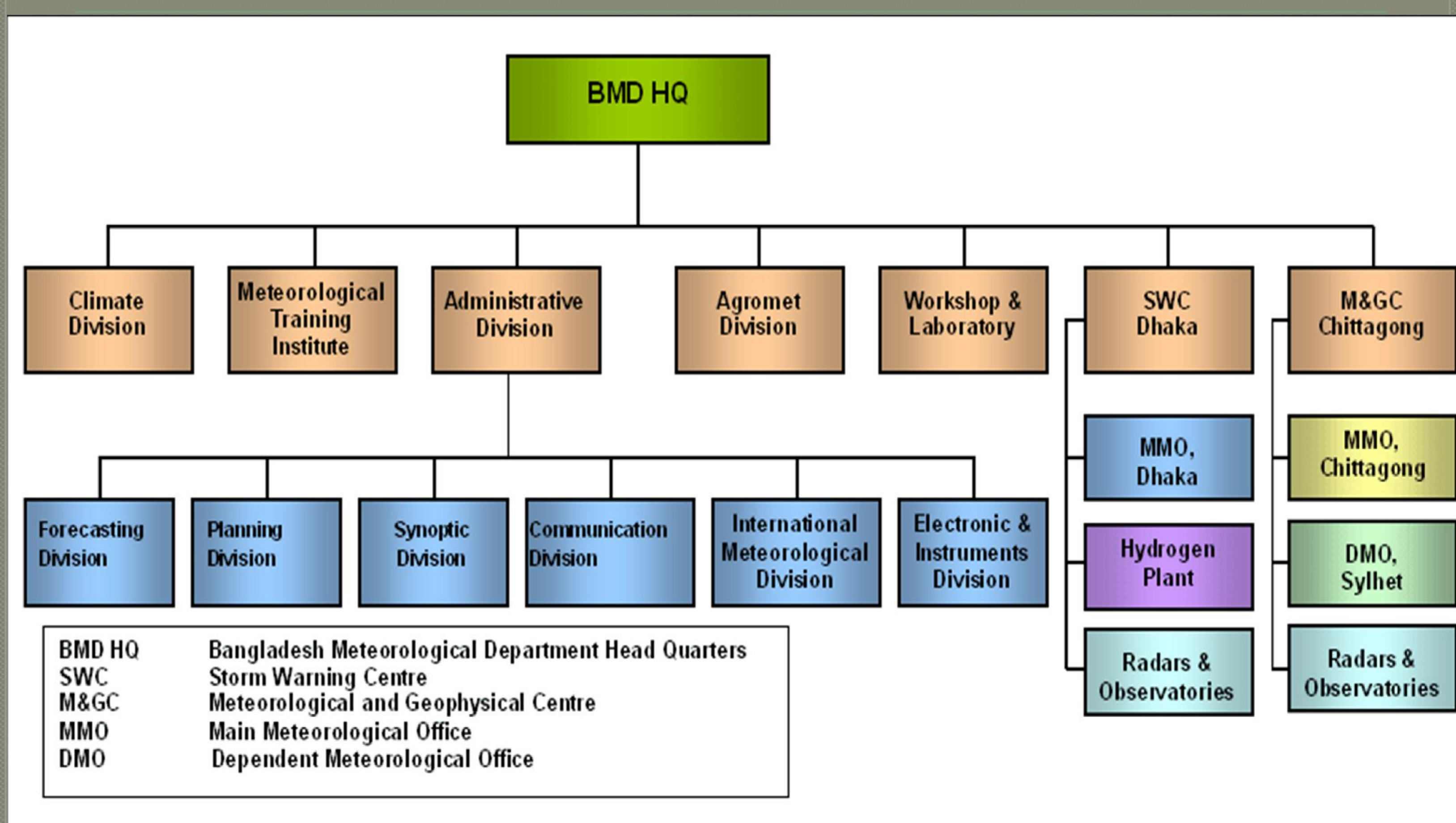


Image of a conventional rain gauge



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Observational Organization Structure



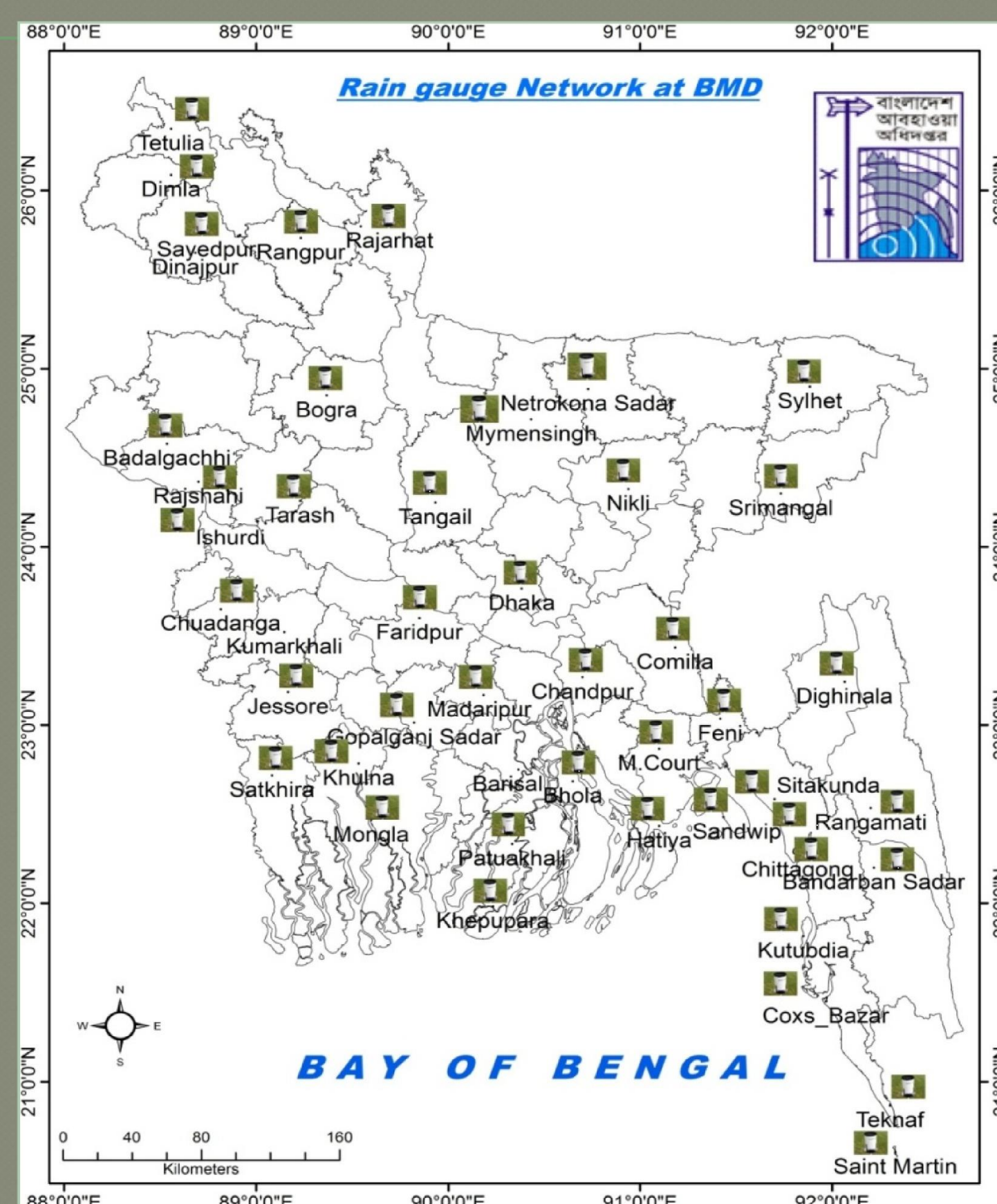
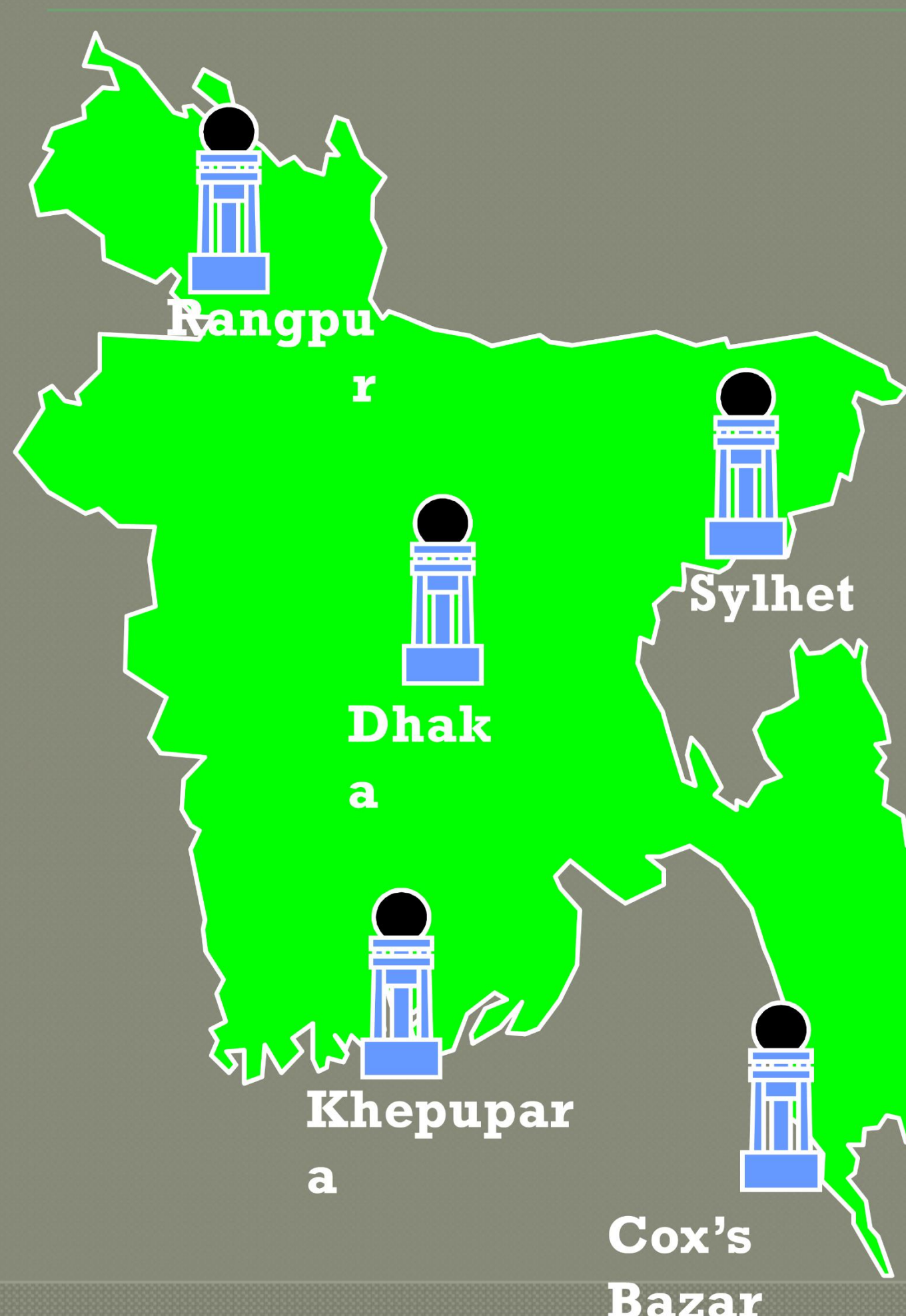
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Quality Management of Observation Data

- ❖ The rain gauges of BMD are calibrated by using a Graduated measuring Jar.
- ❖ Inspectors of BMD routine basis visit every observatory and check the instruments throughout the year.
- ❖ If there is any complain for any instrument they immediately repair or replace that from their reserved.
- ❖ All surface data is scrutinized manually on regular basis at Climate division of BMD. Enters the scrutinized data into the departmental data base. The punched data is corrected by running quality control programs written in fortran programming language and corrected data is preserved in the departmental data base on regular basis.

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Integrated Use of Observation Data



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Observer/expert training course

- | | |
|---|--------------------|
| ▪Class II Forecasters' course | Duration: one year |
| ▪Class III Assistants course | Duration: 35 weeks |
| ▪Class IV Observer course | Duration: 24 weeks |
| ▪Class II Forecasters' Refresher course | Duration: 26 weeks |
| ▪Electronics assistance course | Duration: 13 weeks |
| ▪Class three inspectors course | Duration: 08 weeks |
| ▪Satellite meteorology course | Duration: 03 weeks |
| ▪Supervisor's course | Duration: 03 weeks |

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Plan for developing products

Duration: 2016 – 2020

- Establishment of Numerical Weather Prediction System
- Modernization of upper air Observing System
- Modernization of Meteorological Training Institute
- Modernization of Meteorological Workshop & Laboratory
- Modernization of Existing Agro-Meteorological Observatories

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Expectation for this workshop

- ❖ After this workshop we will be able to gather knowledge from this workshop that will be helpful to maintain quality of our all observational data.
- ❖ Hopefully it will be helpful to increase collaboration in this region and improve quality data and product sharing.
- ❖ In this workshop some idea will be opened to arrange some training program for meteorologist, technical person and observer for capacity building on regular basis.

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Thank you