

**MALE DECLARATION REGIONAL REFRESHER
TRAINING**

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Monitoring Activities

Two stations are set up

- Thimphu Station
 - Initially started with two RDS in Thimphu
 - Urban and peri-urban
 - The urban station has to be discontinued in last few months, and identified new station location,
 - Air quality: PM_{10} (particulate mass of particles with diameters $<10\mu m$) or Respirable Suspended Particulate Matter (RSPM) or, Total Suspended Particulate Matter (TSPM)

Monitoring Activities

- Bhur in Gelephu under Sarpang District
 - Bhur, Gelephu (27°0'N; 90°30'E): Passive Sampling station
 - Monitoring Sulphur dioxide (SO₂) and Nitrogen dioxide (NO₂), Wet deposition: pH, and Electric Conductivity (EC)
 - PM10 is not monitored at the site due to lack of power supply
 - Additional Monitoring stations
 - Additional Passive Sampling Station established under RAPIDC for Surface Ozone, NO_x and Sox as an experiential impact assessment study

Data Completeness & Challenges

- Data Completeness
 - Effort are being made for data completeness
- Challenges
 - Capacity is still a concern
 - In house analyses of samples
 - Set up monitoring system
 - Financial Resources

Brief Plan for next 2 years

- Existing stations will be strengthened, with PM monitoring facilities in Bhur
- Additional Stations will be set up to provide spatial coverage
- Effectively engaging academics for monitoring activities for sustainability of the programme
- Emission Inventory report will be updated
- Data system will be strengthened with additional monitoring parameters
- Information dissemination on air pollution
- Impact study will be initiated

Thank you