

Annual Network Meeting : 2006

Malé Declaration of on Control and Prevention of Air Pollution And Its Likely Transboundary Effects for South Asia

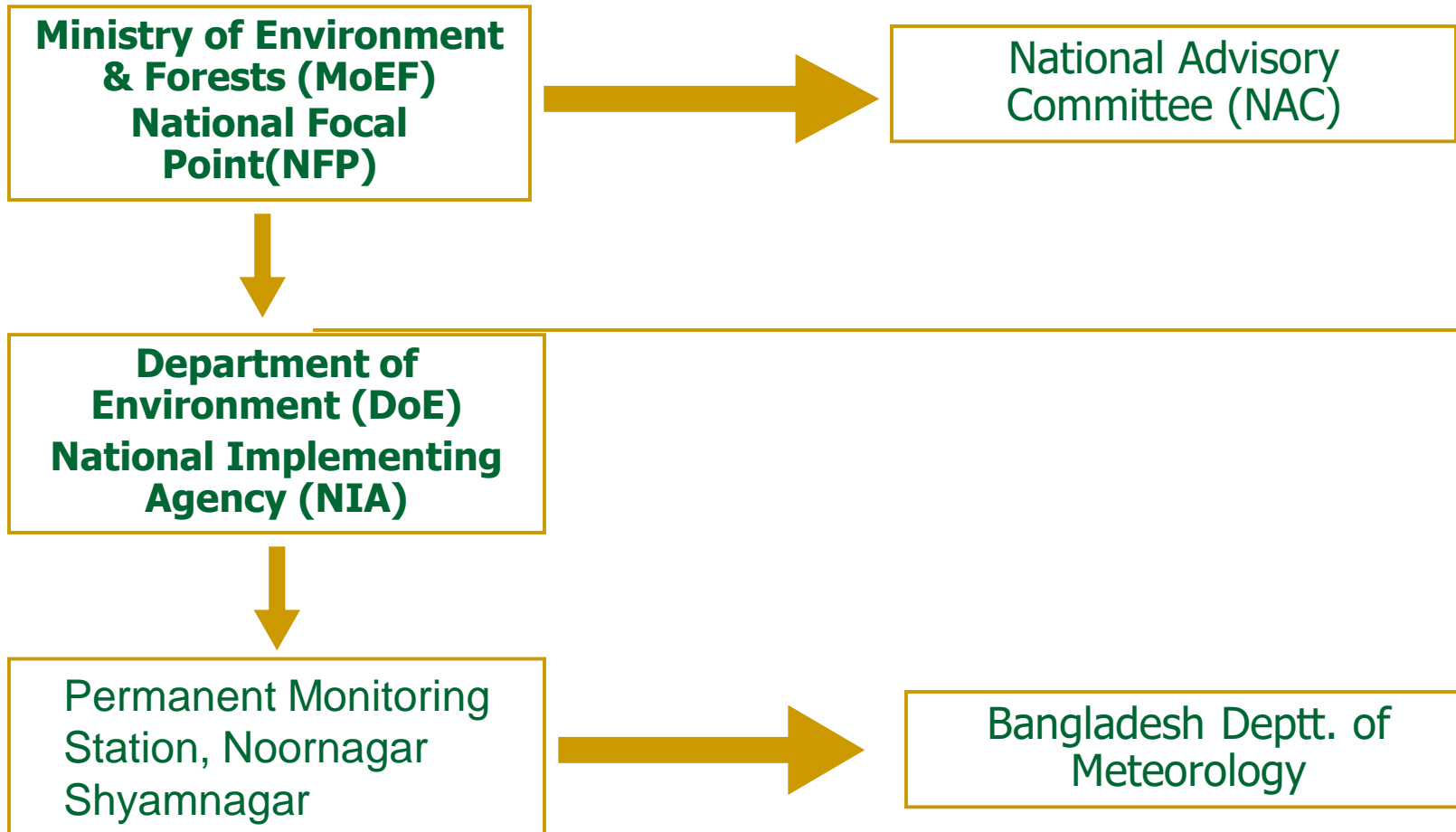
Presentation on the Bangladesh National Activities of Malé Declaration

Progress of Implementation

- Routine monitoring activities carried out.
 - Monitoring of Ozone as a pollutants by passive samplers.
 - Health Impact Study Proposal prepared.
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Progress of Implementation

Institutional Arrangement



Progress of Implementation

National Focal point

Ministry of Environment and Forest (MoEF)

- Management of environment and ecology.
 - Matters relating to environment pollution control.
 - Conservation of forests and development of forest resources (government and private), forest inventory, grading and quality control of forest products.
 - Planning cell is responsible for preparation of schemes and coordination in respect of forest.
 - Protection of wild birds and animals and establishment of sanctuaries.
 - Liaison with international organizations and matters relating to treaties and agreements with other countries and world bodies relating to subjects allotted to this Ministry.
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Progress of Implementation

Principal Activities of DOE

- Analysis of water quality
 - Analysis of ambient air quality
 - Analysis of industrial wastes
 - Survey of industries
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- Issuance of Environmental Clearance of industries & projects following the procedures under Environment Conservation Act (ECA)'95 and Environment Conservation Rules (ECR)'97
 - Act as technical arm of Ministry of Environment & Forest (MOEF)
 - Carryout national activities under different International Agreements, Conventions & Protocols

Progress of Implementation

- **National Advisory Committee (NAC)**

- **Members are:**

- | | |
|------------------------------------------------|---------------------|
| ■ Ministry of Environment and Forests | Convener |
| ■ Bangladesh Meteorological Department | Member |
| ■ Department of Environment | Member |
| ■ Bangladesh Atomic Energy Commission | Member |
| ■ Department of Science, Khulna University | Member |
| ■ Department of Chemistry, Dhaka University | Member |
| ■ Department of Microbiology, Dhaka University | Member |
| ■ IMED, Ministry of Finance | Member |
| ■ FF&L wing of Planning Commission | Member |
| ■ CEN | Member |
| ■ FBCCI | Member |
| ■ BARC | Member |
| ■ SRDI | Member |
| ■ Project Director | Member
Secretary |

Progress of Implementation

Decisions of 1st Meeting of NAC

- Monitoring results may be hoisted in the website of the department.
- Following institutes/organizations could be given the responsibility for air pollution impact studies.

Sl.No.	Subject on Impact Assessment of Air Pollution	Expert Institute
1.	Provide guidance and nominate an expert institution for the crop impact assessment programme.	Environmental Science Department ,Bangladesh Agricultural University, Mymensingh.
2.	Provide guidance and nominate an expert institution for the human health impact assessment programme.	National Institute of Preventive and Social Medicine (NIPSOM), Mahakhali, Dhaka.
3.	Provide guidance and nominate an expert institution for the corrosion impact assessment programme.	Department of Chemical Engineering, BUET, Dhaka.

Progress of Implementation

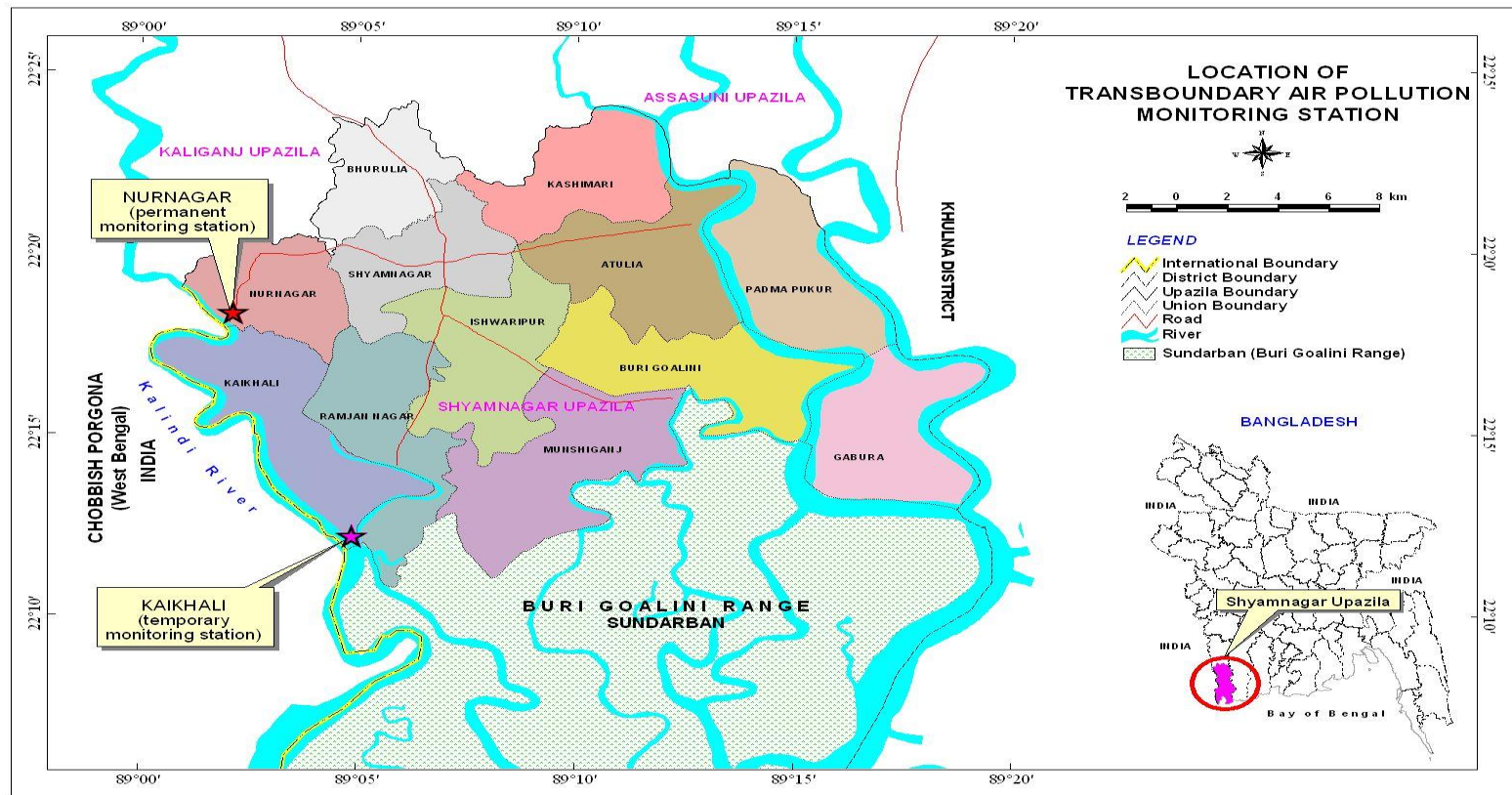
Decisions of 1st Meeting of NAC (Contd.)

Sl.No.	Subject on Impact Assessment of Air Pollution	Expert Institute
4.	Provide guidance and nominate an expert institution for the impact study on soil acidification.	Soil Resources Development Institute (SRDI), Dhaka.
5.	Provide guidance and nominate an expert institution for training on emission inventory, modeling and scenario development.	Department of Environmental Science, University of Khulna, Khulna.

- **Prof. Md. Saliquzzaman, Head, Environmental Science Discipline of Khulna University, may be involved with the operation of AAS.**
- **UNEP RRC.AP may be requested to supply Air Matrix Sampler (Low Volume), to monitor PM₁₀, at the monitoring site.**

Details of Monitoring activities

Monitoring Station



Details of Monitoring activities

Monitoring Station



Details of Monitoring activities

Equipment used:

- **Passive Sampler**
- **Bulk collector**
- **Wet only collector**
- **pH meter**
- **EC meter**

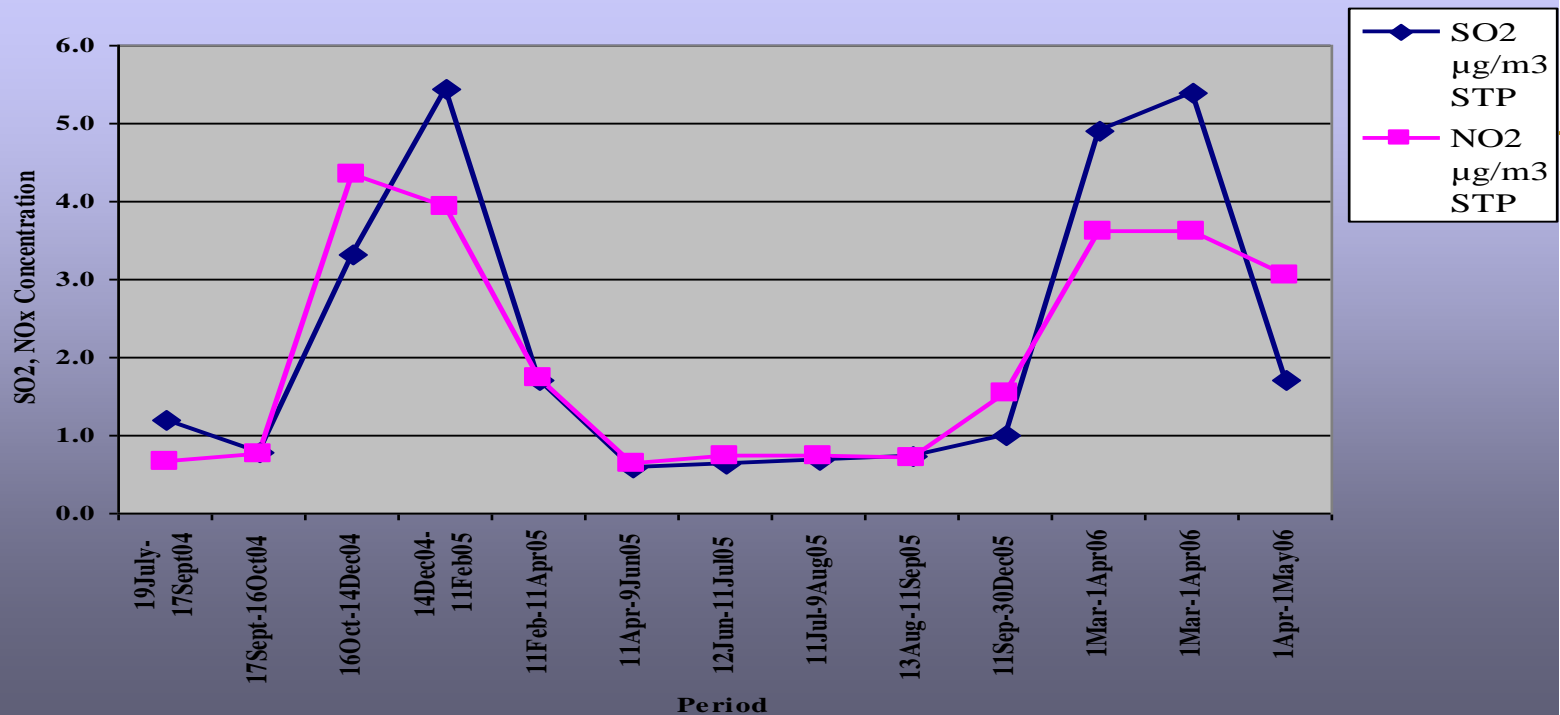


Monitoring activities

Database Completeness

Air Concentration analysis for Diffusive Sampler

Bangladesh: Data analysis report of Diffusive Samplers



Capacity Building

- Two officials from DoE and one official from BMD attended the Training workshop on Malé Declaration emission inventory preparation, scenarios and atmospheric transport modelling during 03-08 July 2006 at AIT, Bangkok.

Capacity Building

- Installation and training of Atomic Absorption Spectrophotometer (AAS) organized from 26-27 Feb. 2006 in Khulna.



Impact Assessment Activities

Health Impact Study.

- Project Proposal prepared and submitted.



- Dr. Frank Murray, Dean of Graduate Study, Murdoch University of Australia is giving presentation on air pollution impacts on health.

Plan for the Next 2 Years

Institutional Arrangement Plan

- No change in the institutional arrangement.
- National Advisory Committee (NAC) meeting will be organized.

Plan for Next 2 Years

Monitoring Plan

- Water Quality parameters will be analyzed by AAS.
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- Air Concentration will be analyzed by High Volume Sampler or Air Matrix.

Plan for the Next 2 Years

Plan for Impact Assessment identified institution

Health Impact

Identified Institution :

National Institute of Social & Prevention Medicine (NIPSOM), Mohakhali, Dhaka

Plan for the Next 2 Years

Plan for Impact Assessment identified institution

Crops Impact

Identified Institution :

Environment Science Department
Bangladesh Agriculture University
Mymensingh

Plan for Next 2 Years

Plan for Impact Assessment identified institution

Corrosion Impact

Identified Institute :

Department of Chemical Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka

Plan for Next 2 Years

Plan for Awareness Programme

Awareness programme on impacts of air pollution through print, electronic and other media could be undertaken, if fund is made available.



Thank You

