

Regional Stakeholder Meeting: 2005

Malé Declaration of on Control and prevention of Air Pollution And It's Likely Transboundary Effects for South Asia

Presentation on the National Activity of Bangladesh

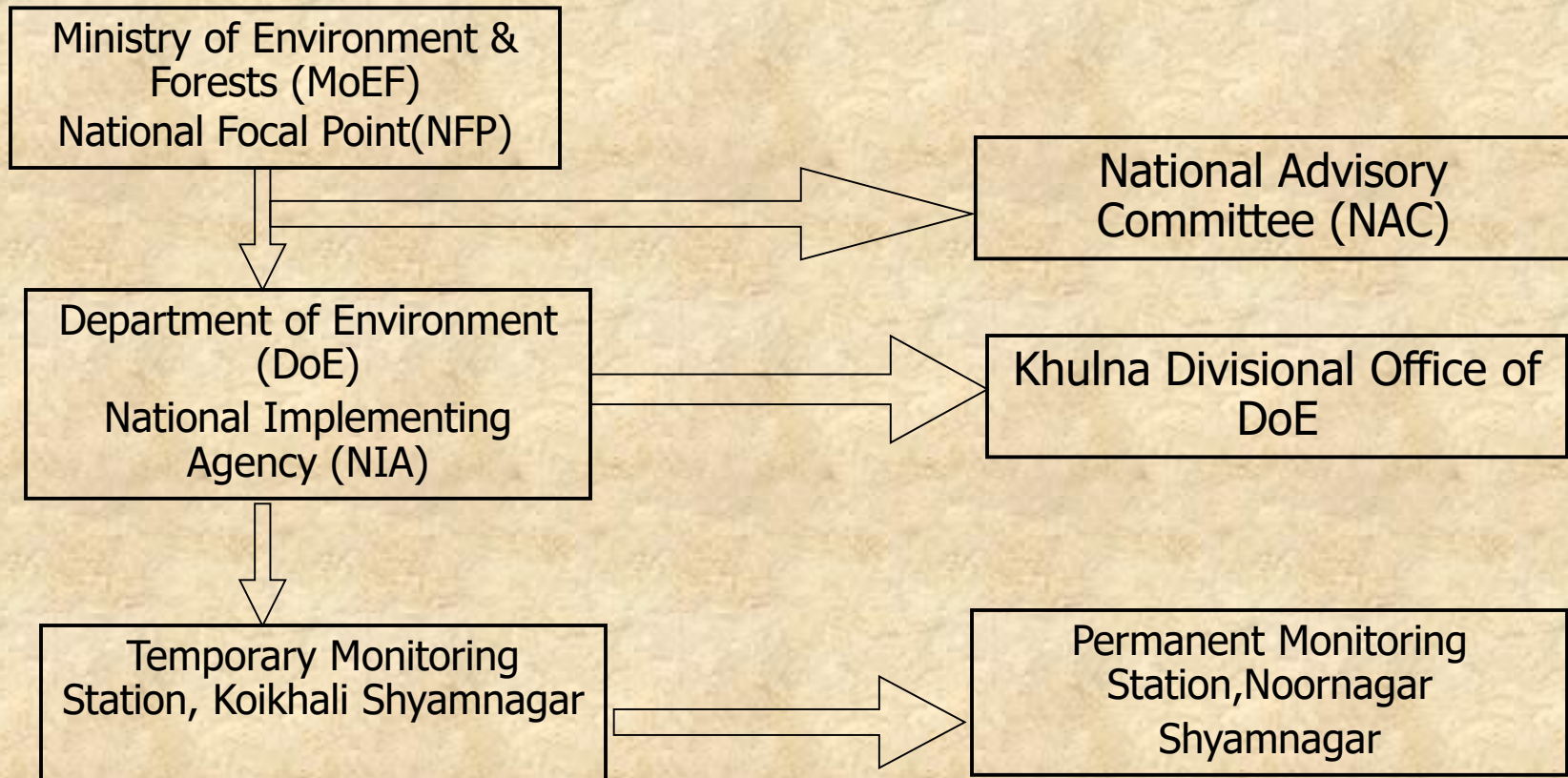
Details of the National Implementing Agency

Malé Phase II Activities

- Expanding Network
- Capacity Building
- Training
- Installation of Equipments
- Establishment of Monitoring Stations

Details of the National Implementing Agency

Institutional Arrangement



Details of the National Implementing Agency

Formation of National Advisory Committee

Joint Secretary, MOEF, Convener.
Representative from BMD
Representative from DoF
Representative from BAEC
Representative from Department of Science, KU
Representative from Department of Chemistry, DU
Representative from Department of Microbiology, DU
Representative from IMED
Representative from FF&L wing of Planning Commission
Representative from CEN
Representative from FBCCI
Representative from BARC
Representative from SRDI
Project Director, Member Secretary

Details of the National Implementing Agency

Capacity Building

- In Country Training Organized from 19-23 October 2003



Details of the National Monitoring activities

Establishment of Monitoring Site

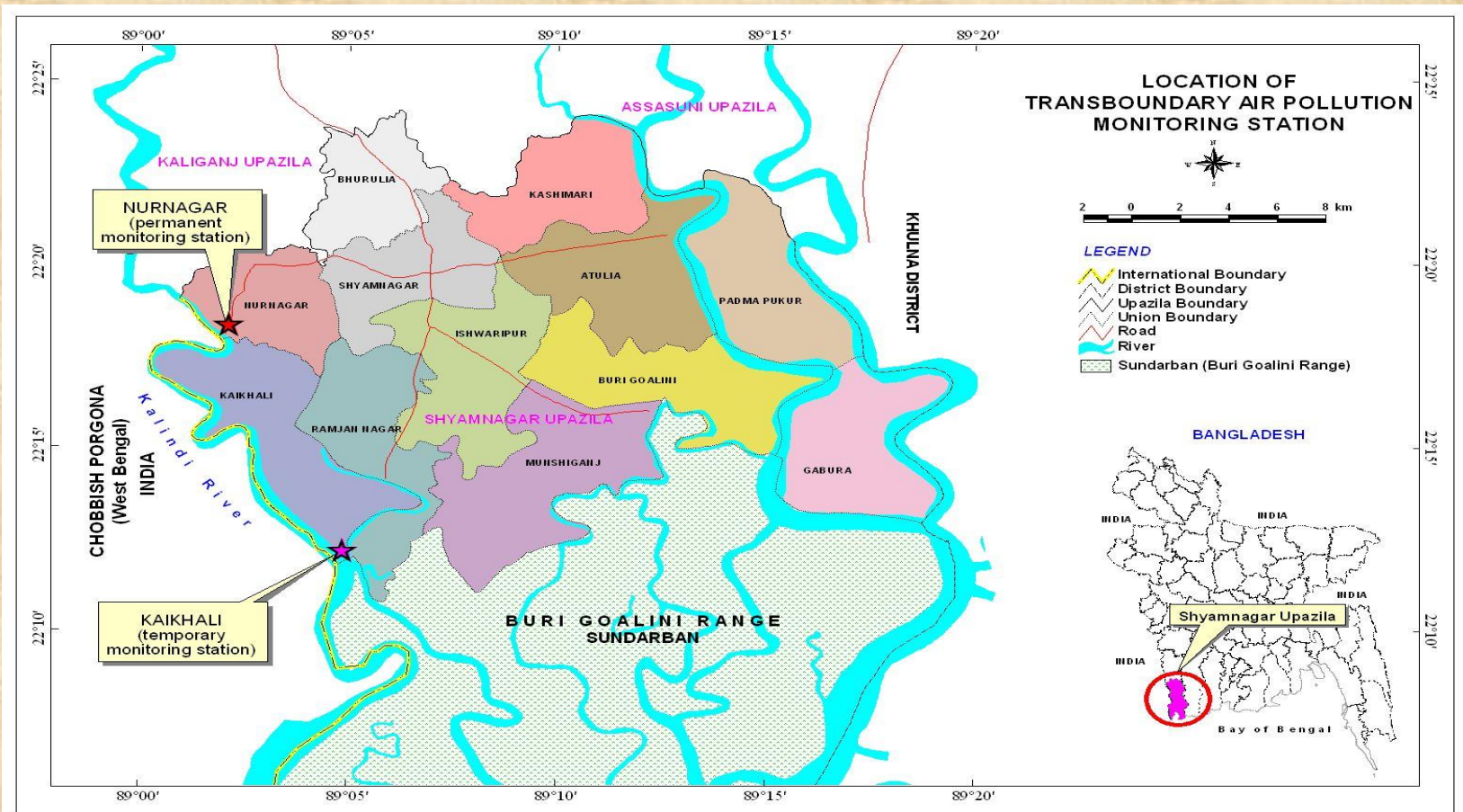
- Selection and Finalization of Monitoring Site



MOC members visited proposed sites on 9-10-2003

Details of the Monitoring activities under Malé Declaration in Bangladesh

Expanding Network



Details of the National Monitoring activities

Establishment of Monitoring Site



Temporary Monitoring Station Functioning from 19 July 2004 at Koikhali Forest Office, Shyamnagar, Shathkhira

Details of the National Monitoring activities

Establishment of Monitoring Site

- Collecting rainwater by Bulk Collector



Rainwater Collection at Temporary Monitoring Site

Details of the National Implementing Agency

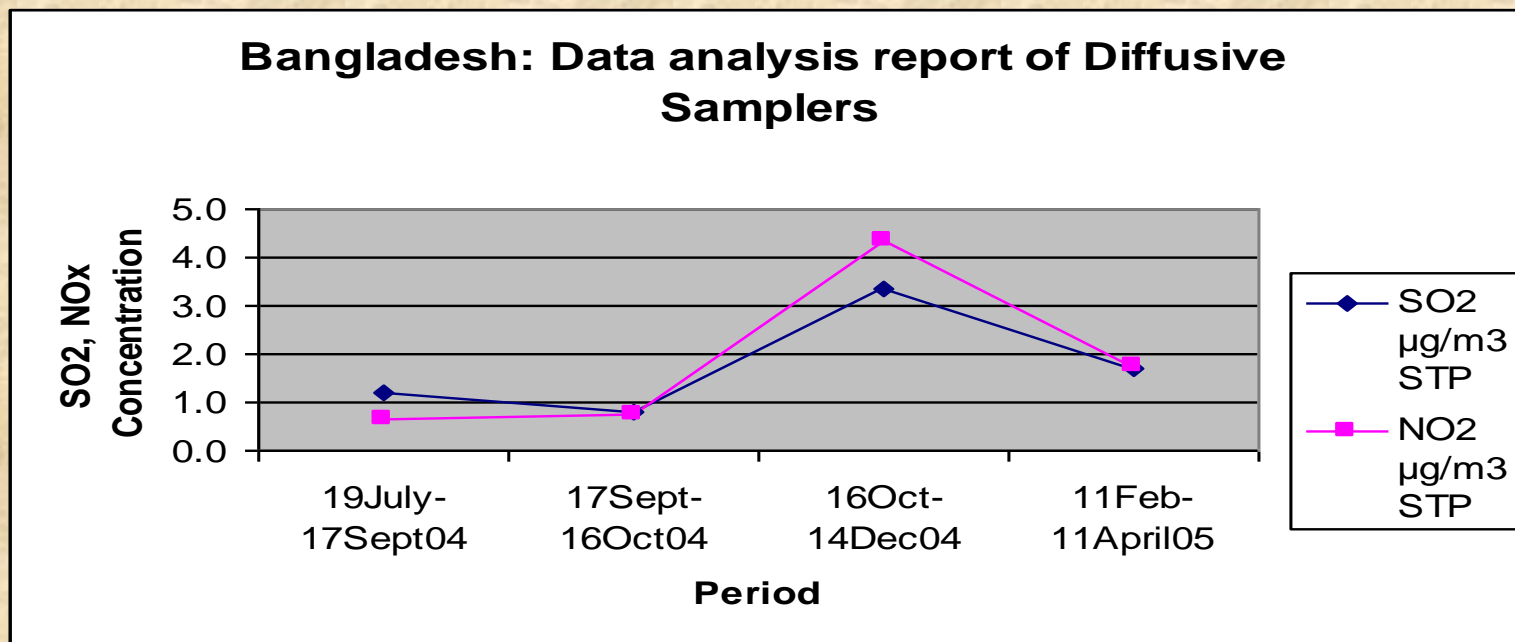
Air Concentration Analysis for Passive Sampler

Form: (Air P)		Results of air concentration analysis (Passive Sampler)					
Site name:	Bangladesh, Stn 7					Site Classification:	
Name of Laboratory:	IVL						
Unit:	$\mu\text{g}/\text{m}^3$						
Station	Sampling period		Temp C	Gas		NO ₂ $\mu\text{g}/\text{m}^3$ STP	*
	Start time	Stop time		SO ₂ $\mu\text{g}/\text{m}^3$ STP	*		
Bangladesh, Stn 7	7/19/2004 16:50	9/17/2004 16:12	29.4	1.2		0.7	
Bangladesh, Stn 7	9/17/2004 16:16	10/16/2004 15:40	29.6	0.8		0.7	
Bangladesh, Stn 7	10/16/2004 15:45	12/14/2004 8:20	27.4	3.3		4.4	
Bangladesh, Stn 7	2/11/2005 16:15	4/11/2005 11:03	24.0	1.7		1.7	
Bangladesh, Field blank	7/19/2004 16:50	8/17/2004 17:23	29.2	0.6		0.7	
Bangladesh, Field blank	8/17/2004 17:25	9/17/2004 16:15	29.6	0.8		1.0	
Bangladesh, Field blank	12/14/2004 8:25	2/11/2005 16:13	20.0	5.5		3.9	
STP=Standard Temperature and Pressure 20C 1013hPa							
*Status: b = below detection limit							



Details of the National Implementing Agency

Air Concentration analysis for Diffusive Sampler



Details of the Stakeholder Participation on Malé Activities

- National Stakeholders Forum
- Regional Stakeholder Forum



Plan for Next 3 Years

Institutional Arrangement Plan

- Will remain almost same as per last 3 years
- Regular meeting of the National Advisory Committee (NAC) will be organized
- Laboratory under Khulna Divisional Office of DoE will be developed to provide laboratory support
- Local level Monitoring Committee may be formed

Plan for Next 3 Years

Monitoring Plan

- Existing temporary station at Koikhali will be shifted to permanent monitoring station
- Installation of equipments in the permanent monitoring station and make it fully operational
- Laboratory under Khulna Divisional Office of DoE will be developed to provide necessary Laboratory support to the Malé Monitoring Activities

Plan for Next 3 Years

Monitoring Plan

Following parameters may be included at the permanent monitoring station at NoorNagar :

Air Quality Parameters

- PM₁₀ (Particulate matter having a diameter of $< 10\mu\text{m}$)
- Total Suspended Particulate Matter (TSPM)
- Sulphur Dioxide (SO₂)
- Nitrogen Dioxide (NO₂)

New Station may be set up, if fund is available

Plan for Next 3 Years

Plan for emission inventory and modeling

- Emission Inventory and modeling may be done following Emissions Inventory Manual and associated software
- Training will be required for Emission Inventory Preparation Team

Plan for Next 3 Years

Plan for Impact Assessment including proposed institution

Health Impact :

- Estimating total impact
- Health Studies

Proposed Institution :

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

Plan for Next 3 Years

Plan for Impact Assessment including proposed institution

Crops Impact :

- Mapping Risk and using Indicator Plants
- Assessing Yield Reduction

Proposed Institution :

- BSMR Agriculture University, Shalna, Gazipur

Plan for Next 3 Years

Plan for Impact Assessment including proposed institution

Corrosion Impact :

- Exposing to samples on racks
- Exposure to Kits
- Stock at risk study

Proposed Institute :

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

Plan for Next 3 Years

Plan for Impact Assessment including proposed institution

Acidification Studies :

- Mapping sensitivity of soils/ ecosystem to acidification
- Time development of acidification

Proposed Institution :

- Soil Research Development Institute (SRDI), Savar

Thank You



পরিবেশ অধিদপ্তর
Department of Environment