

# Bangladesh POPs/Obsolete Pesticide Project



Presented by  
Prof. Dr. Md. Mahbubar Rahman  
on-behalf of  
Mr. Mark Davis, FAO

Dhaka  
November 2007



# Background

- Persistent Organic Pollutants (POPs)
- National Implementation Plan (NIP) project – UNDP with GEF fund
- Draft NIP submitted (2006/7)
- Stockholm Convention Ratified (12 March 2007 )



- FAO Mission : Mr. Mark Davis
- Mission Period : November 5 to  
November 12 2007



Organizations/ Departments/Sites Visited	Officials Met
DOE & MOEF	DG, Secretary, other Officials
DGHS & MOHFP	Director, Secretary, Officials
DAE, PPW, BARC, AEC, IPM & MOA	DG, Directors, Executive Chairman, Secretary, Officials
BCPA	President, and committee members
Bilateral Donor Agencies	UNDP, ADB, USAID, Danish Embassy
MSD Warehouse	Div Director, MSD In-charge

# FINDINGS



- POPs/Obsolete Pesticides Stockpiles
  - DDT : 530 MT +
  - Other pesticides 12 MT+
  - Disposal highly prioritized
- Pesticide management very poor/Misuse
- Increasing trend of pesticide use
- Quality Control Lab not equipped
- No Residue Lab at PPW/DAE
- DANIDA AEC/ICM 201 UZs, 244 UZs GOB IPM
- Significant poisoning case; very inadequate training
- Needs of training emphasized

??



# NIP Priorities

## Near term (1-5 years):

National POPs management capacity building project.	?
Creation of national SMOC laboratory network and laboratory capacity for analysis of POPs compounds.	?
Safe packaging, labeling and storage of (DDT) obsolete stockpiles.	✓
Shipment of (DDT) obsolete stockpiles for destruction. Identification of POPs contaminated sites.	✓
Identification of POPs contaminated sites.	?



# Proposed project

Capacity building  
for better life cycle  
management of  
pesticides

in accordance with the  
international Code of Conduct on  
the Distribution and Use of  
Pesticides

Identification and  
environmentally  
sound destruction  
of all POPs and  
other obsolete  
pesticide stocks in  
Bangladesh



# Component 1: Disposal

- Comprehensive national inventory & risk assessment;
- Environmental management plan;
- Collection, repackaging & centralization;
- Export;
- Destruction

**700 tonnes = US\$3,000,000 = 2-3 years**

# Component 2: Capacity Building



- Capacity building programme for **pesticide life cycle management** and implementation of the International Code of Conduct on the Distribution and Use of Pesticides;
- Laboratory for pesticide residue analysis;
- Capacity building for environmental authorities to **monitor pesticides in the environment**;
- Training and needs assessment for **poison management** in the Ministry of Health
- Capacity building for **pesticide management** in the Ministry of **Health**

**US\$ 8,100,000 = 4 years**

# Pesticide Life Cycle Management



- **Import controls**
- **Training & awareness – all levels**
- **Communications programme - farmers**
- **Vendor training**
- **Pesticide storage**
- **Application equipment**
- **Container management**

**US\$3,000,000 = 4 years**



# Pesticide residue analysis

- Establishment of a laboratory to:
  - Analyse pesticide residues in food
    - For domestic market
    - For export market
  - Analyse environmental residues of pesticides e.g in soil, water, wildlife

**US\$3,000,000 = 4 years**

# Monitor Pesticides in the Environment



- Training on monitoring techniques
- Provision of sampling equipment
- Pilot sampling programmes
- Analysis
- Reporting – workshop & publication

**US\$1,000,000 = 4 years**

# Poison Management



- Needs assessment
- Establishment of poison control centre
- Training for DoH policy makers
- ToT for medical practitioners
- Establish monitoring & reporting system

**US\$1,000,000 = 4 years**

# Pesticide Management in Health



- Awareness raising programme
- ToT on pesticide storage/use

US\$100,000 = 2 years



# Funding

- Total estimated budget = US\$ 11 million
- GEF =  $\pm 40\%$  (\$4.5 million)
- GoB = 5-10% (\$0.55-1.1 million)
- Bilateral donors = 50% (\$6 million)



# Action Points & Timetable

Legal status of DDT to be resolved	DoH	Jan 2008
Preliminary survey of additional obsolete pesticides	PPW	Jan 2008
Prepare GEF PIF	FAO	Jan 2008
Prepare project concept note	FAO	Dec 2007
Presentation to LCG Ag & Env	FAO	Dec 2007
Prioritize project with ERD	DoE DoA	Dec 2007