

Introduction to CDM and Status of CDM Projects in Bangladesh

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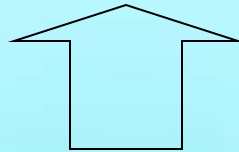
Outline of Presentation

- o DNA Structure
- o Approval Process of CDM Projects
- o Potential sectors
- o Status of CDM Projects in Bangladesh
 - o Registered Projects
 - o DNA Approved projects

Designated National Authority (DNA) for Bangladesh

Structure of DNA

National CDM Board



National CDM Committee

Department of Environment (DoE)
is the Secretariat of the DNA

National CDM Board

Chairman of the Board

Principal Secretary to the Prime Minister

Members

- Secretary, Ministry of Environment & Forests
 - Member, Planning Commission
- Secretary/Secretaries of the Relevant Ministry

Member-Secretary

Director General, Department of Environment

National CDM Committee

Chairman of the Committee

Secretary, Ministry of Environment & Forests

Members

Members from Govt. Sectors

Planning Commission; Ministry of Environment and Forests, Industries, Agriculture, Foreign Affairs, Roads and Transport, Science and Technology, Power, Energy & Mineral Resources; ERD, LGED, BOI, Bangladesh Bank, Department of Environment.

Members from outside Government

FBCCI, BIDS, BUET, Waste Concern, BCAS.

Member-Secretary

Director, Department of Environment

Approval Process of CDM Projects

- Entrepreneurs submit Project Idea Note (PIN)/Project Design Document (PDD) to Department of Environment (DoE) or Ministry of Environment (MoEF)
- DoE evaluates the project; Check location and Environmental Clearance, Seek clarification (if needed)
- Prepare a summary and place it before the National CDM Committee
- Invite the Project proponent to defend their project before the National CDM Committee
- If the PDD is recommended by the National CDM Committee, then it is placed before National CDM Board for approval.
- Host Country approval letter is provided to the local entrepreneurs (by Dept. of Environment) after the approval by board.
- Entrepreneurs take initiative for validation and registration at CDM Executive Board under UNFCCC.
- No fee is charged to the Project proponents.

Registered projects at CDM Executive Board (EB)

S1	Name of Project and Implementing Organization	Relevant Information	Status
1	Landfill gas Extraction and Utilization at Matuail Dumpsite, Dhaka; by Waste Concern	Expected to generate 3-5 MW Electricity from the extracted methane	Registered at the CDM Executive Board (EB).
2	Composting Project at Matuail Dumpsite, Dhaka; by Waste Concern	kitchen market waste is composted	Registered at the CDM EB and <u>CERs issued</u> .

Cont..

	Name of the Project and Implementing Organization	Relevant Information	Status
5	Improved Cook Stoves in Bangladesh; by SZ Consultancy Service Ltd and Grameen Shakti.	One million conventional stoves will be replaced with improved cook- stoves.	Registered at CDM EB and <u>CERs issued.</u>
6	Improving Kiln Efficiency in the Brick Making industry in Bangladesh; Industrial and Infrastructure Development Finance Company Ltd (IIDFC)	Programmatic CDM; 18 Hybrid Hoffman Kilns will be brought under the CDM project.	Registered at CDM EB and <u>CERs issued.</u>

Cont..

	Name of Project and Implementing Organization	Relevant Information	Status
3	Solar Home System (SHS) of Grameen Shakti (WB supported); by Grameen Shakti	805,892 SHS will be distributed.	Registered at the CDM EB.
4	Solar Home System by IDCOL (WB supported); by Infrastructure Development Company Ltd (IDCOL)	226,700 units Solar Home Systems will be distributed.	Registered at the CDM EB.

Cont..

	Name of the Project and Implementing Organization	Relevant Information	Status
7	Efficient Lighting Initiative of Bangladesh (ELIB) (WB supported) by Infrastructure Development Company Ltd (IDCOL) and Rural Electrification Board (REB)	10.5 million CFL have been distributed.	Registered at CDM EB. Registration suspended.
8	Energy Efficiency Program in Rural Bangladesh; BRAC Impact Ventures Ltd (BIVL)	10,00,000 water purifier filter will be distributed through this project.	Registered at CDM EB.

Cont..

	Name of the Project and Implementing Organization	Relevant Information	Status
9	Energy and Water Saving Promotion Programme for Textile Dyeing Process of Bangladesh Textile and Garment Industries	Water and energy will be saved in the dying process.	Registered at CDM EB on 01 May '14

Approved CDM projects by DNA in Bangladesh

	Name of the Project and Implementing Organization	Relevant Information	Status
1	Rural Solar Lighting Programme; by Australia Bangladesh Solar Power Ltd.	13 million Solar Lantern will be distributed throughout off-grid areas on Bangladesh	In Validation stage.
2	Akij Particle Biomass Thermal Energy Project; by Rahimafrooz Renewable Energy Ltd.	Replace usage of fossil fuel with residual biomass to provide thermal energy generation plant	In Validation stage

Cont..

	Name of the Project and Implementing Organization	Relevant Information	Status
3	Bundle Waste Heat Recovery CDM projects in Bangladesh; by Rahimafrooz Renewable Energy Ltd.	Considerable amount of heat will be collected for the production process from Waste Heat Recovery Boiler.	In Validation stage.
4	Energy Efficiency in Solid and Hollow Brick Making in Bangladesh; by Clean Energy Alternatives Inc (CEA)	15 Hybrid Hoffman Kiln will be established;	Validation is completed. Registration process at CDM EB is ongoing.

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	Name of the Project and Implementing Organization	Relevant Information	Status
5	Chunati Reforestation Project: Mitigation of GHG Emission through Co-Management of Chunati wildlife Sanctuary; by Department of Forests.	--	---
6	Programme for Promotion of Access to Domestic Biomass in Rural Bangladesh; by Infrastructure Development Company Ltd (IDCOL)	100,000 biogas plants will be established under the project;	Validation is completed. Registration process at CDM EB is ongoing.

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	Name of the Project and Implementing Organization	Relevant Information	Status
7	Programmatic CDM project using organic municipal waste of all City Corporations /municipalities	Started with one pilot project	Validation completed
8	Reducing Gas Leakage from the Titas gas transmission and distribution System	--	Validation completed.

Potential Sectors for CDM Projects in Bangladesh

Agriculture Sector

- Solar PV irrigation pumps
- Efficient pumping system

Residential Sector

- Metering residential gas supply and Improved gas stoves
- Solar PV lanterns to replace kerosene lamps

Transport Sector

- Mass Rapid Transit (MRT)
- Bus Rapid Transit (BRT)

Potential CDM Projects in Bangladesh

Industry Sector (both public and private sector)

- New Urea fertilizer plants
- Sugar mills (cogeneration plant efficiency improvement)
- Steel re-rolling mills efficiency improvement
- Brick making – Higher efficiency kilns
- Industrial cogeneration for captive generators
- Boiler and Motor efficiency improvement

Commercial Sector

- Use of hollow bricks as partition walls

Potential CDM Projects in Bangladesh

Energy Sector (Electricity)

- CCGT to replace old Steam Turbine (ST) plants
- Electricity distribution loss reduction
- Supercritical boilers for coal fired power plants

Cross Sectoral Options

- Efficient fans
- Efficient lighting

Biomass Options

- Efficiency improvement of parboiling
- Biogas plants

Thank You



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