



contact:

Waste Concern Consultants
Level - 3, House - 21 (Side B)
Road-7, Block-G
Banani Model Town, Dhaka-1213
Bangladesh

phone: +88-02-9884774, +88-02-9873002
fax: +88-02-9884774, +88-02-9884738
email: wastecon@dhaka.agni.com & office@wasteconcern.org
web: www.wasteconcern.org

June, 2005

graphic design: md. tarek haider/ 0169-288399



waste concern consultants



consultancy services for
*poverty reduction, environmental
improvement and sustainable
development*



waste concern consultants



Mission

Waste Concern Consultants is a leading consultancy firm based in Bangladesh, providing consulting services and project assistance since 2000. Waste Concern and Waste Concern Consultants are sister organizations with a common vision to contribute to poverty reduction, waste recycling, environmental improvement and sustainable development through professional knowledge sharing and the provision of advisory services in the low and middle income countries.

While providing consultancy services to its clients, Waste Concern Consultants adopt multi-disciplinary and participatory approaches, so that most appropriate technological solutions consistent with the prevailing social, economical and institutional contexts are applicable. Moreover, while planning and designing solutions or technical advisory services, we take into account the perceptions, needs and preferences of the users and their long-term financial capabilities.

Waste Concern Consultants provides consultancy services, project assistance and support for institutional development, capacity building and innovation in the fields of:

- Solid Waste Management and Resource Recovery.
- Clinical and Hazardous Waste Management.
- Waste Water Treatment.
- Environmental Sanitation.
- Community Based Environmental Improvement.
- Urban Environmental Management.
- Municipal Services Planning.
- Environmental Impact Assessment.
- Industrial Pollution Control.
- Environmental Management System (ISO 14001).
- Climate Change & Clean Development Mechanism.
- Eco-friendly Agriculture and Organic Farming.
- Environmental Laboratory Facility.
- Energy Efficient Building Design and Sustainable Human Settlement Planning.
- Socio-economic studies / surveys.

Waste Concern Consultants has established a comprehensive knowledge base to support and provide consultancy services in the aforementioned fields. We aim at long-term cooperation with our partners/clients to build local capacity and we also strive for sustainable utilization of natural resources.



Recent Projects

Some selected projects recently undertaken by Waste Concern Consultants are:

Solid Waste Management and Resource Recovery

- Preparation of action plan for solid waste management in eight towns of Bangladesh;
- Design of community based decentralized composting plants in Matale municipality in Sri Lanka and Qui Nhon municipality in Vietnam;
- Pilot schemes on solid waste management and composting in fourteen towns of Bangladesh;
- Design of landfill gas collection and electricity generation system in Dhaka and Chittagong along with leachate collection and treatment system;
- Design of 200 tons/day capacity compost plant;
- Baseline survey on plastic waste generation and development of plastic waste recycling system for Dhaka city;
- Resource recovery planning for several cities/towns;
- Baseline survey on solid waste management for several cities and towns;
- Preparation of community mobilization materials for several cities and towns; and
- Design of transfer stations.

Clinical and Hazardous Waste Management

- Design of hospital and clinical waste management system in clinics and hospitals in Dhaka.

- Development of bio-medical waste management manual for hospital and clinics in Bangladesh.
- Study on lead-acid battery recycling in Bangladesh.
- Development of environmental management system for hospitals and clinics.

Waste Water Treatment

- Design of waste water treatment and management system for pesticide formulation factory, tea garden and pathological laboratory.
- Design of waste water treatment system for secondary towns in Bangladesh.

Environmental Sanitation

- Preparation of action plan for sanitation in eight towns of Bangladesh.
- Design of faecal sludge collection and treatment system for secondary towns of Bangladesh.
- Design of eco-toilets for several towns.

Community Based Environmental Improvement

- Design of community based solid waste collection, recycling and resource recovery (composting system) for Dhaka and several towns in Bangladesh.
- Design of community based waste management system for slum and squatter settlements.

Municipal Services Planning

- Evaluation and documentation of water supply facility in low-income settlements of Dhaka city being provided using public-private-community partnership model.
- Infrastructure planning for secondary towns.

Environmental Impact Assessment

- Preparation of initial environmental examination (IEE) and environmental impact assessment (EIA) reports for landfill gas recovery and electricity generation, composting and several urban infrastructure projects.
- Conducted stakeholders meetings regarding infrastructural projects to discuss environmental implications.





Industrial Pollution Mitigation and Environmental Management Systems

- Industrial pollution control, monitoring and abatement system.
- Development of environmental management system (EMS) for different industries leading to ISO-14001 certification.
- Environmental auditing for several industries.

Climate Change and Clean Development Mechanism (CDM)

- Developed project identification note (PIN) and project design documents (PDD) for landfill gas and composting projects.
- Developed new methodology for waste sector projects.
- Evaluated potential of poultry waste management project as CDM.
- Evaluated potential of ecological sanitation and organic farming projects as CDM.
- Prepared business plan for several CDM projects.
- Evaluated the potential of biomass based CDM projects.
- Identified potential sectors for CDM projects in Bangladesh.

Eco-friendly Agriculture and Organic Farming

- Developed organic and enriched compost usage methodology, application dose for various crops and soil types.
- Monitoring of change in yields and soil characteristics by use of various types of enriched compost as well as compost.

Energy Efficient Building Design and Sustainable Human Settlement Planning

- Designed ecological village based on 4 R principal in Bangladesh.
- Designed energy efficient industrial buildings in Bangladesh.
- Designed landscape for various industrial building, residential and institutional buildings.

- Developed manual for low-income settlement planning.
- Preparation of physical plan for several towns.

Cross-cutting issues

- Institutional and capacity building on clean development mechanism (CDM), solid waste management, bio-medical waste management, environmental management systems and resource recovery for various organizations (public, private and NGOs)..
- Micro enterprise development and promotion.
- Networking, workshops, seminar, training programs and knowledge sharing programs in conjunction with the Waste Concern.
- Preparation of guidelines, policies, procedure and strategies for waste management, pro-poor public-private partnerships and low-cost urban environmental infrastructures.
- Environmental laboratory back-up services on waste (solid and liquid), waste water, soil, water quality, fertilizer, heavy metal, noise and sound level analysis etc.
- Gender strategy and action plan for urban and rural infrastructure projects.



Team

Waste Concern Consultants has a team of fifteen professionals, headed by Mr. A.H.Md. Maqsood Sinha as Principal Architect-Urban and Regional Planner and Mr. Iftekhar Enayetullah as Principal Civil/Environmental Engineer-Urban Planner, having more than fourteen years of local and international experiences with consulting firms, international agencies, universities and non-government organizations. Both Mr. Sinha and Mr. Enayetullah are managing partners of Waste Concern Consultants. For their professional excellence, they have been awarded several international and national awards, which include:

- United Nations Poverty Eradication Award.
- Tech Museum Award, USA.
- Fast Fifty Award, USA.
- Outstanding Social Entrepreneur of the Schwab Foundation, Switzerland.
- Ashoka Fellow, USA.
- Institute of Engineers Bangladesh (IEB) Outstanding Engineers Award.
- Daily Star Newspaper Outstanding Professional Award.

Network

In addition to aforementioned team members, Waste Concern Consultants has a group of highly qualified associates to offer a wide range of services. Networking and partnerships has always been an important component of Waste Concern Consultants business strategy. We maintain close relationships with a wide range of experienced individuals and organizations in both Bangladesh and abroad, with whom we put together project teams to suit many different types assignments in a flexible manner.

Waste Concern Consultants and Waste Concern

Waste Concern Consultants works together very closely with its sister organization, Waste Concern - a non-governmental research organization and resource center which provides and promotes exchange of knowledge and experience in various ways such as design and implementation of pilot projects, trainings, workshops, publications as well as networking.



What we do

In addition to professional consultancies, our services include:

- Engineering design of various infrastructure.
- Project appraisal, planning, implementation and evaluation.
- Quality control.
- Laboratory analysis and field testing.
- Preparation of concepts and master plans.
- Organize workshops and training programs.
- Preparation of publications (technical reports, manuals, guidelines, information materials).
- Institutional capacity building.
- Socio-economic studies and surveys.
- Physical planning.
- Environmental auditing.
- Environmental studies.
- Preparation of business plan for environmental projects.
- Design of environmental management system for Industries.
- Preparation of strategy, action plan and policies.



Who we work with

The list of our clients includes:

Asian Development Bank (ADB), CIDA, World Bank, UNDP, UNICEF, UNIDO, WHO and UN-ESCAP. External support agencies of the Netherlands, Switzerland and United Kingdom and public sector agencies of Government of Bangladesh.

What facilities we have

Types of facilities available in-house include:

- State of the art environmental engineering laboratory.
- Computerized architectural and engineering design facility.
- Library facility with latest books, journals, reports on various subjects including engineering, architecture, urban and regional planning and environmental management.
- Publication and graphics design facility.
- Fully networked (LAN) system office with on-line facility.
- Seminar, training, workshop facility with all multi-media equipments.
- Hands-on training and demonstration facility for waste management, ecological sanitation, rainwater harvesting, waste water treatment, and organic/eco-friendly agriculture within Dhaka city.

