E-waste Management Scenario in Bangladesh

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Country Status of E-waste

- No inventory has been made to assess the extent of E- waste problem Bangladesh.
- Total number of PCs, TVs and Refrigerators in the year 2006 was 600,000, 1,252,000 and 2,200,000.
- The total number of Mobile Phone active subscribers in Bangladesh was 58.36 million at the end of May 2010.
- Reuse of E-equipment is a common practice in Bangladesh.
- E-equipment recycling and dismantling is a growing business.
- No E-waste dismantling facility in formal sector.
- All the recycling is being carried out by the informal sector.

RECYCLING INDUSTRIES IN DHAKA CITY



ALUMINIUM



PLASTIC



GLASS



PAPER



BONES



POLYTHENE

- **120,000** urban poor from the informal sector are involved in the recycling trade chain of Dhaka city

- **15%** of the total generated waste in Dhaka (mainly inorganic) which amounts 475 tonnes/day are recycled daily.

RECYCLING OF OLD COMPUTERS IN DHAKA CITY BY INFORMAL SECTOR





Legal & Regulatory Regime

- Bangladesh adopted its National Environmental Policy in the year of 1992 highlighting the regulating all activities that pollute and destroy the environment
- The Environment conservation act, 1995 authorize the Director General to undertake any activity necessary to conserve and enhance the quality of environment and to control, prevent and mitigate pollution
- Medical Waste Management Rules, 2008 addresses the waste management issus for the medical sector including E-waste.

Legal & Regulatory Regime

Right now no regulations specifically dealing with E-waste in Bangladesh. Preparation of Electrical and Electronic Waste (Management and Handling) Rules, 2011 is the priority of the Government Bangladesh

- **Government already prepared draft National 3R (Reduce, Reuse & Recycle) Strategy and in that draft e-waste issues were addressed.**

- **Hazardous Waste Management Rules is under preparation and still time to incorporate E-waste management issues for proper management of E-waste among others.**

Legal & Regulatory Regime

- We prepared draft solid waste management rules which is now in consultation stage and still time to include E-waste management issues in that rule.
- Bangladesh is a signatory to Basel convention prohibiting trans-boundary movement of hazardous waste.
- Import of any kind of waste requires Government permission.

Some common features of proposed **Electrical and Electronic Waste (Management and Handling) Rules, 2011**

- These rules shall apply to every producer(s), dealer(s), collection centre(s), refurbisher(s), dismantler(s), recycler(s), auctioneer(s) consumer(s) or bulk consumer(s) involved in the manufacture, sale, purchase and processing of electrical and electronic equipment or components

The proposed rule defines

- Responsibilities of the producer
- Responsibilities of dealers.
- Responsibilities of refurbisher
- Responsibilities of collection centers
- Responsibilities of consumer or bulk consumer
- Responsibilities of dismantler
- Responsibilities of recycler/ reprocessor

Some common features of proposed **Electrical and Electronic Waste (Management and Handling) Rules, 2011**

The proposed rules describes

- **Procedure for grant of authorization**
- **Power to suspend or cancel an authorization**
- **Procedure for registration/Environmental Clearance/Renewal**
- **Procedure for storage of e-waste**

Other features of proposed rule

The proposed rules also describes about:

- Transportation of e-waste
- Accident reporting and follow-up
- Liability of the producer, collection centre, transporter dismantler and recycler of e-waste
- The collection, storage, transportation, segregation, refurbishment, dismantling recycling and disposal of e-waste

Schedules of proposed rule

- Schedule-1: Describes about E-waste categories
- Schedule-2: Describes about list of products covered under the categories given in schedule-I
- Schedule-3: Describes about threshold limits for use of certain hazardous substances

Schedule-4: Describes about authorities and corresponding responsibility

Challenges

- Inventory of E-waste in large cities of Bangladesh.
- Further consultation about proposed **Electrical and Electronic Waste (Management and Handling) Rules, 2011** with the relevant stakeholders.
- Establish efficient collection system at least for selected electronic waste.
- Registration and capacity development of E-waste recyclers.
- Introduction of Environmental Management System in E-waste sector.
- Establish E-waste tracking mechanism in order to update the inventory.
- Awareness raising.

Thank you



Dept of Environment