



Industrial Wastewater Management Issue in Cambodia From Group A

Two key implementation barriers of industrial wastewater management in Cambodia

- Institutional Issue
- Operational Issue

1. Institutional Issue

- ▶ This includes weak law enforcement, weak manpower /Human resources support to effectively implement the law, inadequate networking and information dissemination to stakeholders, lack of data and information to support decision making and long term detailed/specific framework planning process with time frame and targets

2 Operational/Management Issues

- ▶ This include the low capacity /capability of the industry in putting up wastewater treatment facility in compliance to effluent standard set by the law in term financial and technology, Lack of consciousness and willingness of the industries on their responsibility to protect the environment

**Possible measure to address
the selected barriers and
capacity development needs
to implement identified
possible measures/ policy
tools**

Group A-Team Members

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Measures to address the Institutional Issue

- Identify the gaps and weaknesses of the existing laws and amend a more effective environmental pollution law.
- Capacitate law enforcers, regulators and government personnel involved in wastewater treatment evaluation, design and efficient operation.
- Capacitate technical and operational capability of the government in terms of monitoring technologies, protocols, methodologies, and financial mechanism options to sustain effective wastewater management.

Measures to Address Institutional Issue

- Implement polluter pay principle through market-based instruments (Charge system).
- Educate and disseminate information to public and private industries.

Measures to Address Institutional Issue

- Strengthen networking and cooperation and participation among stakeholders and industries.
- Database augmentation and management through research , and cooperation of the industry sector , academic institution and other government entities.
- Develop relevant and responsive action plan consistent with development goal of Cambodia.

Measure to address operational/Management Issues

- ▶ Provision of incentives system in form of tax holidays to support compliance by the industries on wastewater effluent standards for the first three to five years. **(Principle of sustainable development)**
- ▶ Promote Corporate Social Responsibility. **(CSR)**

Measures to address Operational/Management Issues

- ▶ Promote the allocation of environmental and social funds and strictly comply with endowment fund /trust fund by industries to be used in the event of environmental damage due to disposal of untreated wastewater.

Measures to Address Operational/Management Issues

- ▶ Promote the allocation of environmental and social funds and strictly comply with endowment fund /trust fund by industries to be used in the event of environmental damage due to disposal of untreated wastewater.
- ▶ Install Decentralized wastewater treatment facility to serve industry needs in economic zones administered by the government with corresponding service fees from the industries.

Capacity Development needs

- ▶ Training of Government Personnel on laws and regulation on industrial wastewater management.
- ▶ Technology development and application for industrial wastewater management and operations.
- ▶ Review and testing of water quality effluent standards.
- ▶ Creation and mobilization of a multi-sectoral governance of water quality management areas.
- ▶ Development of more effective monitoring tools and strategies.
- ▶ Training on value formation among the stakeholder to be responsible citizen to protect the environment.

*Thank you for your Kind
Attention*