

# Feasibility Study of the Solid Waste Management System in Sana'a and Design of Priority Improvements

## Project Description

In the scope of the World Bank financed Integrated Urban Development Program (IUDP) the Yemeni Ministry of Public Works and Highways has commissioned a consulting consortium led by IU with the implementation of a feasibility study for an improved solid waste management system in Sana'a, the capital city of Yemen. The main tasks are as follows:

- Investigation of the solid waste management system in Sana'a and its vicinity
- Assessment of feasibility of expanding the existing landfill
- Design for the extension of the landfill and for a new waste transfer station
- Identification and assessment of sites for transfer stations (including pre-design)
- Description of measures to strengthen the institutional capacity
- Costs estimates, expected revenues, and financial analyses
- Potential environmental and social impact assessment
- Preparation of design and tender documents
- Preparation of operational manuals

## Results

The feasibility of a modern solid waste management system including landfill rehabilitation and extension will be investigated. Measures to strengthen the institutional capacity will be defined. Tender documents including necessary plant designs will be prepared.

## Our Services

- Status-quo analysis of existing SWM system
- Design of landfill extension and transfer station
- Financial analysis for investment and operation costs of the overall SWM system
- Assessment of environmental and social aspects.
- Preparation of operational manuals and tender documents for project implementation.

## Contact

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### Sector:

Solid Waste Management

### Countries:

Yemen

### Location:

Sana'a



### Employer:

Yemeni Ministry of Public Works and Highways, Sana'a Municipality

### Financing:

World Bank

### Duration:

01/2010 – 12/2010