



**Kadam Environmental
Consultants**

PROJECTS OF STATE POLLUTIN CONTROL BOARD (SPCB)

The list of projects and factsheets of Solid waste Management and Landfill Design executed by KEC for SPCB is as shown below:

List of Projects

Sr. No.	Name of the Project	Client	Status of Project
1	Consultancy Services for Assessment of Contamination, Design of Remediation Plan, Bid Preparation and Supervision of Remedial Activities for the Dhapa Municipal Dumpsite in Kolkata, West Bengal	West Bengal Pollution Control Board (WBPCB)	Completed
2	Closure and Containment of Municipal Solid Waste Site at Ukkayapalli, Kadapa in Andhra Pradesh	Andhra Pradesh Pollution Control Board	Ongoing

Fact Sheets

Assignment name: Consultancy Services for Assessment of Contamination, Design of Remediation Plan, Bid Preparation and Supervision of Remedial Activities for the Dhapa Municipal Dumpsite in Kolkata, West Bengal	Country: India
Location within country: Kolkata, West Bengal, India	Duration of assignment (months): 6
Name of Client: West Bengal Pollution Control Board (WBPCB)	Total No. of staff-months of the assignment: 13 experts & supporting staff
Address: West Bengal Pollution Control Board (WBPCB), "Parivesh Bhawan", 10 A, Block – LA, Sector – III Bidhannagar, Kolkata – 700 098	
Start date: April 2012 Completion date: October 2013	No. of professional staff-months provided by associated Consultants: 4 months
Name of associated Consultants, if any: Witteveen+Bos	
Narrative description of Project: Project of Assessment of Site Contamination, Design of Remediation Plan, Bid Preparation and Supervision over execution of Remediation Plan for Dhapa Closed MSW Dump Site (site area of 11.6 Ha), Kolkata, West Bengal, India. Capacity Building for Industrial Pollution Management (CBIPM), Ministry of Environment and Forests (MOEF & West Bengal Pollution Control Board WBPCB), World Bank Funded under National Programme for Rehabilitation of Polluted Sites (NPRPS).	

Description of actual services provided within the assignment:

Scope of Services includes:

- Reconnaissance and Preliminary Site Assessment
- Inception Report
- Sampling Protocol and Sample analysis of Waste, Surface and Ground Water for baseline monitoring - Field Borehole drilling work and other investigations
- Baseline Monitoring by taking ground water, surface water, soil etc. from new Boreholes drilled / existing tube wells / surface water ponds / drains nearby the site etc. & Municipal Solid Waste Characterization and chemical analysis from different areas of the dump site
- Development of Concept Site Model – Source, Pathways and Receptors - Study of Impacts
- Impact Identification by comparing the results of analysis of sampling with standards.
- Preparation of an Environmental & Social Impact Assessment report due to the existing dump site as per World Bank guidelines.
- Identification of Impacts due to the dump site and its mitigation measures
- Environmental Risk Assessment due to closed dump site.
- Preparation of Environmental and Social Management Plan based on the identified impacts and mitigation measures.
- Detailed designs & Development of Remediation Plans – Scientific Containment and Closure of MSW Landfill site of 4.2 Ha.
- Preparation of Bid Documents for execution of works for landfill closure as per National / International Competitive Bidding Procedure of World Bank.
- Execution Supervision of the entire Project.
- Remediation validation and Long Term Monitoring Plan