

# Municipal Demand Side Management (MuDSM) – Water Pumping

## Overview

The majority of Indian Municipality water pumping system and infrastructure is inefficient designed. Inefficiency persist in operation and maintenance. As a result, energy consumption of water pumping is high, and municipalities spend large amount of their revenue on purchasing energy for local public services.

The use of efficient pumping system can help in reducing the energy usage between 20 to 25%. For instance, replace the inefficient pumping system with energy efficient pumping system.

## MuDSM Projects on ESCO Mode

### ➤ Status of the Detailed Project Report's

Project Name	Number of Pump Sets	Status
Gujarat Urban Development company (GUDC)	79	Completed
Delhi Jal board (DJB)	2 Sewage Pumping Stations	Completed
Bathinda Municipal Corporation	7	Completed
Karnataka Rural Water Supply and Sanitation Agency (KRWSSA)	4079	Completed
Karnataka Renewable Energy Development Limited (KREDL)	20	Completed

### ➤ Status of the Implementation of MuDSM Project

Project Name	Number of Pump Sets Replaced	Date of Completion	Energy Saved in Percentage (%)
Meerut Municipal Corporation (MMC)	Pilot demonstration of pump sets to MMC	5 November, 2011	
Karnataka Renewable Energy Development Limited (KREDL), Gulbarga	20	16 June, 2015	32%
Gujarat Urban Development Company (GUDC)	79	Under progress	

## Benefits to Municipality

- ✓ Reduced Energy consumption
- ✓ Expand drinking water pumps in additional area
- ✓ Easy to Control & Monitoring
- ✓ Reduction in O & M cost
- ✓ Enhanced Service Quality
- ✓ Manage their network effectively & surplus energy to other needy area

# (Replacement of Pump Sets in Govt. Hospitals of KREDL, Gulbarga)

