



Request for Proposals

Implementation of Indonesia Multiple-Recipient Water Operator Partnership: Replicating Best Practices in Septage Management

Background

Mandated by the Local Government Regulation, PD PAL Jaya (PD PAL), a wastewater service provider in Jakarta, plans to take over septage management services from the local city agency in the near term. PD PAL currently provides limited services to a small area and therefore seeks to build its own capacity before fully expanding its operations. Having invested in new desludging vehicles, it is further seeking technical assistance in developing septage management systems such as desludging frequency; collection and treatment standards; database development; and vehicle operations. In 2011, PD PAL intends to pilot an initiative to showcase its capabilities and build confidence in its own staff and Jakarta residents of its services. Following the pilot, PD PAL plans to scale-up its services throughout Jakarta.

PDAM Kota Bandung currently provides sewerage services through a centralized facility for about 33% of Bandung residents, but levies wastewater fees for 58% of those in its service areas. The remaining 25% of its customers that are not connected to the centralized system have limited access to septic tank desludging. With the local government currently calling for more frequent desludging and to avoid liability issues with its current customers, PDAM Kota Bandung seeks to strengthen its septage management operations. It currently operates five desludging vehicles and manages several more through private sector outsourcing for five service areas throughout Bandung. In 2011, it plans to optimize its septage operations and better manage its private sector contracts.

To take this important step, PD PAL and PDAM Kota Bandung have expressed the need for technical assistance on improving desludging operations, septage treatment and disposal, operations and maintenance of collection and treatment systems and pumping stations, implementing building and house connections, troubleshooting and quality control, and on learning more about efficient customer database and inventory, and other planning tools. Practical experiences and inputs from wastewater practitioners in the region on effective septage collection and treatment shared through water operator partnerships (or WOPs) will be important to help these service providers meet their capacity building needs.

To support the two service providers, AECOM, as the implementer of Environmental Cooperation – Asia (a regional program funded by USAID) and facilitator of WOPs, seeks a wastewater service provider that will provide technical support or mentoring in septage management program development and implementation. Key selection criteria include:

- (1) Proven experience in participating in WOPs as a mentor on septage management
- (2) Capability to develop and provide training/capacity building using practical lessons and experiences in septage management
- (3) Willingness to commit resources (in-kind or at cost) to support the partnership, such as through cost-sharing of own staff time/labor, provision of materials/documents, and others

Duration

The duration for the WOP is for 12-15 months. The anticipated start date for this activity is March 2011.

Scope of Work

Through the WOP, the mentor wastewater services provider will perform the following activities:

- Assess current operations and capacity building needs of PD PAL and PDAM Kota Bandung
- Conduct on-the-job/classroom training and knowledge sharing activities on:
 - Overview of septage management
 - Exposure to various septage treatment technologies
 - Reviewing facility design, and programming cycles
 - Re-engineering design, retrofitting, and related procurement
 - Private sector participation/public-private partnership, and outsourcing
 - Improving collection strategies, databases, and recordkeeping
 - Reviewing and improving septic tank management and O&M
 - Operators' training and certification
 - Improving sludge disposal options
- Provide intermittent remote consultations via email, fax or telephone to assist with applying best practices shared
- Arrange logistics for own staff travel to Indonesia that include international/domestic air tickets, accommodations, local transport, and per diem
- Arrange logistics and program requirements for participants from Indonesia that include local transport, workshop logistics, handout materials, use of mock facilities, and site visit coordination
- Complete regular and final close out report as specified in the joint work plan that will be developed.

Expected Partnership Outcomes

- Improved access to improved septage management services for at least 15,000 people in Jakarta and Bandung
- Strengthened capacities of the two wastewater service providers to operate and manage septage management programs in their service areas
- Adoption and application of new practices and policies on septage management introduced through the WOP by the wastewater service providers

Principal Deliverables

Outputs	Anticipated Deadline
1. Diagnostic audit for PD PAL and PDAM Kota Bandung and WOP work plan	15 Mar 2011
2. Kickoff workshop and orientation on septage treatment systems, initial planning, environmental issues, and programming cycles	30 Apr 2011
3. Training on engineering design and retrofitting, technology selection and procurement, private sector participation/public-private partnership, and outsourcing/managing contracts	30 Jun 2011
4. Training on developing collection strategies, databases, and recordkeeping	31 Aug 2011
5. Training on facility operations and maintenance, septic tank management, desludging truck operations and maintenance	30 Sep 2011
6. Training on commissioning, testing M&E, operators' training and certification, business planning and R&D/sludge disposal strategies	31 Jan 2011

Solicitation

Interested organizations should submit a 2-3 page proposal that outlines their technical approach and briefly details their organizational capabilities. Interested organizations should also submit a detailed proposed budget for all the activities. The budget should clearly indicate cost-share inputs opportunities by the offeror. All costs should be reflected in U.S. dollars.

ECO-Asia will select the top proposal according to their technical approach, organizational capabilities, cost appropriateness and adherence to ECO-Asia values, including regional sharing and financial cost-share.

Please contact info@eco-asia.org for any questions on this opportunity.

Proposals are due to info@eco-asia.org by **February 18, 2011**. Only electronic submissions will be accepted.