

**USAID Indonesia Urban Water Sanitation and Hygiene  
Penyehatan Lingkungan untuk Semua (IUWASH PLUS)  
SOW**

**Type of Request: "Consultant for Assessment of WTP uprating in Depok, West Java  
Province**

**Issued Date: June 12, 2017**

**Deadline for Submitting Proposal: June 30, 2017**

**Issuing Office: USAID/IUWASH, Jakarta**

**Submission: Electronic (PDF)**

**Submission Address: IUWASH\_PLUS\_Procurement@dai.com**

**Confirmation Receipt: Please confirm receipt of this Request for Proposal**

**Type of Award: Fixed Priced Purchase Order**

**Background:**

The USAID Indonesia Urban Water, Sanitation and Hygiene 'Penyehatan Lingkungan Untuk Semua' (IUWASH PLUS) program is a five-year, \$39.6 million initiative designed to assist the Government of Indonesia (GOI) in increasing access to water supply and sanitation services as well as improving key hygiene behaviors among urban poor and vulnerable populations. Implemented by DAI Global LLC, IUWASH PLUS works with governmental agencies, the private sector, NGOs, communities and others to achieve the following "high level" results:

1. An increase of one million people in urban areas with access to improved water supply of which at least 500,000 are from the poorest 40% of the population; and
2. An increase of 500,000 people in urban areas with access to an improved sanitation facility and all of whom are from the poorest 40% of the population.

In order to achieve the above, IUWASH PLUS undertakes activities through four (4) interrelated components, including:

1. Improving household WASH services;
2. Strengthening city WASH institutional performance;
3. Strengthening the WASH financing environment; and
4. Advancing national WASH advocacy, coordination and communication

**Description of the Program:**

The Government Regulation No. 26 Year 2008 (PP No.26 Tahun 2008) about National Spatial Plan (RTRWN) and the Indonesian Presidential Regulation No. 62 year 2011 (Perpres No.62 Tahun

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2011) established areas of Depok City, as national strategic area with focus on economic development, and development of basic sectors, including water supply system to meet universal access 100% drinking water coverage. 100-0-100 initiative is a commitment of the Directorate General of Human Settlements to be achieved within the next 5 years through the implementation of various programs that support

PDAM Tirta Asasta Kota Depok is one of PDAMs that is assisted by IUWASH PLUS and they initiated on improvements of water services with the target area include 7 Sub-Districts in Kota Depok. PDAM Kota Depok currently has about 54,000 customers. The customers are served by some of Water Treatment Plants (WTP), which are spread across some branches of service, 2 units of existing WTP plan to be up rated, that is WTP Legong the current capacity is 320 liters/ sec and WTP Citayam 60 liter/sec.

Along with population growth of Kota Depok, the greater the need for drinking water. An effort that could be made to serve the increasing needs of drinking water is to optimize the capacity of existing IPA. In this regard, in accordance with the request of PDAM Kota Depok, IUWASH PLUS Regional West Java, DKI Jakarta and Tangerang, plans to conduct a study of optimization of WTP. The WTP that will be the study object are the concrete WTP with capacity of 320 liter/second in the Legong and the steel WTP with capacity of 60 liters/second in the village Citayam, Branch that serve communities at Sub District Sukmajaya, Cimanggis, Cilodong and Tapos currently is not able to full-fill the demand anymore especially at peak hour. The concrete WTP only has been operating not more than 320 liters/second. The other Branch that serve communities at Sub District Beji, Pancoran Mas and Cipayang from steel WTP Citayam currently has average operating capacity of 60 liters/second. The raw water source for the 2 WTPs were taken from Ciliwung River but different location with straight distance around 2 km of each other.

Considering the water demand and the estimation cost of re-rating /up-rating are cheaper than to build new WTP, it is recommended to evaluate how to re-rate the concrete WTP capacity 320 l/s at Legong and the steel WTP 60 liters/ second at Citayam at PDAM Kota Depok.

It is estimated that the implementation re-rating cost will not too expensive and according to PDAM, the funding for these activities comes from Central Government budget (APBN).

### **Purpose of the activities:**

The purpose of this activity is the assessment of uprating Water Treatment Plant Legong and Water Treatment Plant Citayam in Depok City

### **Scope of Works:**

The general scope of works Consultant for Assessment of WTP uprating in Depok consists but not limited to:

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- Secondary data collection of operational WTP Legong and WTP Citayam including other secondary data from relevant institution
- Primary data collection of raw water sources 2 (two) samplings each location, including water quality test of physical and chemical parameters at water quality laboratory.
- Conduct field survey to identify the condition, capacity, dimension, performance, and operational of WTP Legong and WTP Citayam, including raw water intake and reservoir.
- Analysis of existing performance of each unit process and unit operation of WTP Legong and WTP Citayam
- Evaluation of potential uprating capacity of WTP Legong and WTP Citayam
- Discussions with PDAM and IUWASH Plus for planned uprating capacity agreements.
- Calculation and preliminary design of WTP uprating both for WTP Legong and WTP Citayam
- Prepare cost estimate and technical specification
- Prepare recommendation for supporting unit particularly for raw water intake and reservoir.

## Reporting

Reports, which need to be prepared and submitted to IUWASH PLUS and other stakeholders, are:

1. Inception Report covering:

- General information of study area
- Working Methodology, Work Plan
- Results of existing WTPs capacity analysis

Inception report has to be submitted 3 weeks after contract signing, 5 set hard copy and 2 soft copy.

2. Draft Final report covering , but not limited to:

- General information of study area
- Results of existing WTPs capacity analysis
- Potential uprating capacity of WTP Legong and WTP Citayam, including agreement of WTP uprating capacity planed.
- Draft Design note and preliminary design of WTP uprating both for WTP Legong and WTP Citayam

- Draft Cost estimate and draft technical specification
- Draft recommendation for supporting unit particularly for raw water intake and reservoir.

This report has to be submitted at 8 weeks after contract signing, and submitted 5 sets hard copy and 2 soft copies.

Consultant has to present this report to IUWASH PLUS team, PDAM and or related. This report should be prepared in such a way, that the Final Report does not require significant adjustment from this report.

### 3. Final Report

Final report is an improved report of the draft final report in accordance with the inputs and agreements of the parties, includes but not limited to:

- Main Report
- Cost Estimate
- Preliminary design drawings size A3

The final report has to be approved by IUWASH PLUS and PDAM and has to be submitted at 10 weeks after contract signing 10 sets hard copy and 5 soft copies.

### Specialist Required

Manpower required for this program is a Water Supply Expert, who responsible for all design aspect of this program, coordination with relevant parties, analysis / calculation and design of WTP upgrading, at least S1, preferably has 20 years' experience in water treatment design. The expert can be supported by other expert like civil engineer and or mechanical & electrical engineer as a team member.

### Time Allocated

Time allocated to implement this program is 12 weeks after contract signing.

### Report Submission and Payment Schedule

Report submission and payment schedule for program is as on the table below

No	Deliverables	Due date	Payment
1	Inception Report	3 <sup>rd</sup> week	20%
2	Draft Final Report	End of 8 <sup>th</sup> week	40%
3	Final Report	End of 12 <sup>nd</sup> week	40%

## Cost Estimate

The cost for implementing this program will be paid by IUWASHPLUS to Third Party selected through a competitive tender procedure. Budget for implementation of the work program is estimated at around Rp 140 million (one hundred and forty million rupiah). The Cost proposal format as attached is only as guidelines that can be used in cost proposal for this work. But consultants can adjust it customize it to fit with the methodology of work proposed by the consultants

### Process Tender Estimation:

- a) RFP issued to potential bidders : 12 June 2017
- b) Pre Bid Meeting : 16 June 2017
- c) Proposal Submission : 30 June 2017, latest 16.00 o'clock
- d) Proposal Evaluation : 3 – 4 July 2017
- e) Proposal Clarification : 10 July 2017
- f) Contract signing : 14 July 2017

## Evaluation Component


The submitted Proposal will be evaluated by IUWASHPLUS team, and the components will be evaluated are

- a) Methodology (50 points);
- b) Qualification of specialist proposed for this program (50 points);

### Others information:

1. Issuance of this RFP shall not constitute any form of agreement by DAI to any party.
2. The proposal must be accompanied by a bid covering letter written on A4 size paper.
3. Budget/cost proposal can be written in the attached format, or bidders can customize it in accordance with their proposed methodology.
4. Proposals to be sent by email in pdf format no later than 30 June, latest 16.00 o'clock to email address: IUWASH\_PLUS\_Procurement@dai.com
5. Proposal 2 set hard copy + 1 CD must be submitted in a sealed envelope no later than 30 June 2017 at 16.00 pm, to the address of  
**Consultant for Assessment of WTP uprating in Depok, West Java Province**  
Proposal untuk : Indonesian Urban Water Sanitation and Hygiene (IUWASHPLUS)  
Mayapada Tower Lantai 10, Jl Sudirman Kav 28, Jakarta, 12920
6. On the top left on the proposal envelope, please write:

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Nama of Company/Institution

Full address

No Telp/Fax

Email address

Contact Person, Position, phone number

7. Only short-listed and selected bidders will be called for technical clarification and negotiation costs before publishing the contract.
8. No cost reimbursement, whatsoever for matters relating to the bidding and preparation of this Proposal shall be provided
9. All payments will be made in "Rupiah" currency and all project invoices/payments memorandum may only be denominated in Rupiah.

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