

**REQUEST FOR INFORMATION (RFI)****Title of the RFI:**

Provision of Wastewater Treatment Facilities and Solutions in Support of All UN Field Missions

**Date of this RFI:** 18 November 2020**Closing Date for Receipt of RFI at PD:** 2 December 2020**RFI Number:** RFILC6350**Address RFI response by fax or e-mail to the Attention of:** Lee Ting Chan**Fax Number:** n.a.**E-mail Address:** lee.chan@un.org**UNSPSC Code:** 47100000,81101527,41103211,83101506,40151510,40151500**DESCRIPTION OF REQUIREMENTS**

The UN Office of Supply Chain Management (OSCM) is developing a sourcing strategy for provision of wastewater-related goods and services for our Department of Operational Support (DOS) supported field offices, and would like to better understand the supply markets and determine the most appropriate framework for the solicitation of these goods and services.

The wastewater-related goods and services will serve field offices with typically 50, 100, 200, 500 and 1000 people. Wastewater sources primarily consist of ablutions (both grey and black water) and other specialized accommodations with specific pretreatment considerations (i.e. grease traps at kitchens and oil/water separators at workshops). The wastewater treatment goods shall be able to operate under diverse climatic conditions (e.g., hot/cold, dry/wet, dusty). They shall have a compact design, and facilitate rapid deployment and installation (e.g., be containerized).

The companies are requested to provide information on the following points as part of their response to the RFI by completing the Excel spreadsheet

1. Does your company typically provide the below list of goods?
2. Does your company have ISO 9001 and ISO 14001 certifications (or equivalent)?
3. Does your company provide after-sales support services for: spare parts, training and technical services for commissioning and operation/maintenance purposes?
4. Does your company provide service to take back materials and equipment?
5. Does your company provide leasing services for any of the below list of goods?

6. Does your company provide turnkey services for provision and commissioning of wastewater goods? If so, does your company also provide follow-on operation and maintenance services for the associated wastewater treatment systems?

Specific wastewater goods of interest are as follows:

#### Pump Stations

A minimum of two pumps shall be provided with duty / standby configuration. Pumps shall have option for in-built grinders.

#### Septic Tanks

Tank shall have a two compartment or chamber design and provide a minimum hydraulic retention time of 24 hours.

#### Extended Aeration Activated Sludge Plants

Plant shall receive raw blackwater by gravity or through pump station. Pretreatment facilities shall be provided, if needed, to ensure proper plant operation. Treated effluent quality shall meet the following requirements:

- (1) 5-day Biochemical Oxygen Demand – 30 ppm
- (2) Total Suspended Solids - 30 ppm

#### Effluent Filtration Systems

System shall receive greywater or treated effluent from extended aeration activated sludge plant.

Treated effluent quality shall meet the following requirements:

- (1) Turbidity – 2 NTU

With disinfection using chlorine, treated effluent quality shall meet the following additional requirements:

- (1) Fecal Coliforms - less than 1/100 ml
- (2) Free Chlorine - 0.5 to 1 mg/l at point of use

#### Membrane Bioreactor Plants

Plant shall receive raw blackwater by gravity or through pump station. Pretreatment facilities shall be provided, if needed, to ensure proper plant operation.

Treated effluent quality shall meet the following requirements:

- (1) 5-day Biochemical Oxygen Demand – 30 ppm
- (2) Total Suspended Solids - 30 ppm
- (3) Turbidity – 2 NTU

With disinfection using chlorine, treated effluent quality shall meet the following additional requirements:

- (1) Fecal Coliforms - less than 1/100 ml
- (2) Free Chlorine - 0.5 to 1 mg/l at point of use

#### Disinfection Systems

System shall disinfect treated effluent from effluent filtration system or membrane bioreactor plant.

With disinfection using chlorine, treated effluent quality shall meet the following requirements:

- (1) Fecal Coliforms - less than 1/100 ml
- (2) Free Chlorine - 0.5 to 1 mg/l at point of use

#### Sludge Dewatering Units

Unit shall receive septage from septic tank, or sludge from extended aeration activated sludge plant or membrane bioreactor plant.

Unit shall increase solid content of septage or sludge to at least 40 percent.

#### Infiltration / Leaching Systems

System shall facilitate sub-surface treatment/disposal of septic tank effluent or greywater. System shall be modular and include leaching chambers or perforated pipes.

#### Pre-treatment Assets

Assets shall include prefabricated grease traps and prefabricated oil-water separators.

- Grease traps shall be used for pretreatment of greywater generated from commercial kitchens.
- Oil-water separators shall be used for pretreatment at transport workshops and diesel power

generation retention basins before discharge into storm drainage system.

#### Portable Analytical Laboratories

Portable laboratory shall provide water quality data for critical plant process monitoring and to verify treated effluent quality requirements specified for membrane bioreactor plants. Services are expected to include take-back schemes for expired and used reagents.

#### **SPECIFIC REQUIREMENTS / INFORMATION (IF ANY)**

The company is requested to provide the information requested in English language. If technical leaflets of products are provided, they must be in English language as well.

Please see also the specific questions in the RFI - Question Annex from which you can download at:  
<https://www.un.org/Depts/ptd/sites/www.un.org.Depts.ptd/files/pdf/RFI%20-%20Questions%20Annex.xlsx>

Please fill the vendor response from below (page 4) AND provide the information requested including the Excel Table (RFI - Questions Annex) and submit to Ms. Lee Ting CHAN at [lee.chan@un.org](mailto:lee.chan@un.org) on or before 2 December 2020.

Note: This RFI serves the purpose of a UN-internal evaluation. Your information provided will not be published, not be shared with any outside party or vendor, nor used in other public forums.

Thank you very much for your interest!

#### **NOTE**

Information on tendering for the UN Procurement System is **available free of charge** at the following address: <https://www.ungm.org/Public/Notice>

Only the United Nations Global Marketplace (UNGM) has been authorised to collect a nominal fee from vendors that wish to receive automatically Procurement Notices or Requests for Expression Of Interest. Vendors interested in this Tender Alert Service are invited to subscribe on <http://www.ungm.org>

# VENDOR RESPONSE FORM

**TO:** Lee Ting Chan  
**Email:** lee.chan@un.org  
**FAX:** n.a.

**RFI Number:**

**FROM:**

**SUBJECT:** Provision of Wastewater Treatment Facilities and Solutions in Support of All UN Field Missions

*To be filled by the Vendor (All fields marked with an '\*' are mandatory)*

## COMPANY INFORMATION

**UNGM Vendor ID Number\*:**

**Legal Company Name** (Not trade name or DBA name) \*:

**Company Contact \*:**

**Address \*:**

**City \*:**

**State:**

**Country \*:**

**Telephone Number \*:**

**Fax Number \*:**

**Email Address:**

**Company Website:**

We declare that our company fully meets the prerequisites A, B, C, D and E, for eligibility to register with the United Nations as outlined in the paragraph 1 of the RFI INSTRUCTIONS page.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name and Title: \_\_\_\_\_

**\*\* If not already registered with UN Procurement Division, please use the following URL to register at United Nations Global Marketplace (UNGM): [www.ungm.org](http://www.ungm.org).**

## RFI INSTRUCTIONS

### 1) Registering as a Vendor with the United Nations

Vendors interested in fulfilling the requirement described above must be registered at the UN Global Marketplace ([www.ungm.org](http://www.ungm.org)) with the UN Secretariat in order to be eligible to participate in any solicitation. Information on the registration process can be found at <https://www.un.org/Depts/ptd/vendors>.

#### **Prerequisites for Eligibility**

In order to be eligible for UN registration, you must declare that:

- A. Your company (as well as any parent, subsidiary or affiliate companies) is not listed in, or associated with a company or individual listed in:
  - I. the Compendium of United Nations Security Council Sanctions Lists (<https://www.un.org/sc/suborg/en/sanctions/un-sc-consolidated-list>), or
  - II. the IIC Oil for Food List website or, if listed on either, this has been disclosed to the United Nations Procurement Division in writing.
- B. Your company (as well as any parent, subsidiary or affiliate companies) is not currently removed or suspended by the United Nations or any other UN organisation (including the World Bank);
- C. Your company (as well as any parent, subsidiary or affiliate companies) is not under formal investigation, nor have been sanctioned within the preceding three (3) years, by any national authority of a United Nations Member State for engaging or having engaged in proscribed practices, including but not limited to: corruption, fraud, coercion, collusion, obstruction, or any other unethical practice;
- D. Your company has not declared bankruptcy, are not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against your company that could impair your company's operations in the foreseeable future;
- E. Your company does not employ, or anticipate employing, any person(s) who is, or has been a UN staff member within the last year, if said UN staff member has or had prior professional dealings with the Vendor in his/her capacity as UN staff member within the last three years of service with the UN (in accordance with UN post-employment restrictions published in ST/SGB/2006/15).
- F. Your company undertakes not to engage in proscribed practices (including but not limited to: corruption, fraud, coercion, collusion, obstruction, or any other unethical practice), with the UN or any other party, and to conduct business in a manner that averts any financial, operational, reputational or other undue risk to the UN.

**For Registered Vendors:** Vendors already registered at the UN Global Marketplace with the UN Secretariat must ensure that the information and documentation (e.g. financial statements, address, contact name, etc.) provided in connection with their registration are up to date in UNGM. Please verify and ensure that your company is registered under its full legal name.

**For Vendors Interested in Registration:** Vendors not yet registered should apply for registration on the United Nations Global Marketplace (<http://www.ungm.org>); information on the registration process can be found at <https://www.un.org/Depts/ptd/vendors>.

**IMPORTANT NOTICE:** Any false, incomplete or defective vendor registration may result in the rejection of the application or cancellation of an already existing registration.

### 2) RFI Process

Vendors interested in responding should forward their information (as requested in the RFI) to the United Nations Procurement Division (UNPD) by the closing date set forth in this RFI. *Due to the high volume of communications, UNPD is not in a position to issue confirmation of receipt of RFIs.*

Please note that no further details of the planned solicitation can be made available to the vendors prior to issuance of the solicitation documents.

This RFI is issued subject to the conditions contained in the RFI introductory page available at <https://www.un.org/Depts/ptd/rfi>.