General Information

Document Type	Request for Information (RFI)
Request for Information Number	M67854-26-I-5331
Posted Date	23 June 2026
Response Date	23 July 2026
Classification Code	4610 - WATER PURIFICATION AND SEWAGE TREATMENT EQUIPMENT
NAICS Code	333318 - Other Commercial and Service Industry Machinery Manufacturing

THIS IS FOR MARKET RESEARCH PURPOSES ONLY. NO SOLICITATION DOCUMENT EXISTS.

1.0 Purpose

This is a Request for Information (RFI) for market research purposes only. This is not a solicitation for proposals, proposal abstracts, or quotations. The purpose of this RFI is to identify sources capable of providing a Commercial Off-The-Shelf (COTS) Reverse Osmosis Water Purification Unit (ROWPU) that can purify over 1,200 gallons of water per hour.

The Government does not intend to award a contract on the basis of this RFI or to pay for the information solicited. The information provided will be used to assess market capabilities and refine future requirements.

2.0 Description

The Product Manager Engineer Systems, Portfolio Acquisition Executive Marine Corps (PAE MC), is conducting market research for potential sources of a ROWPU. This system is intended to replace the legacy Tactical Water Purification System (TWPS).

The envisioned ROWPU will be a critical enabler for expeditionary forces, particularly those executing Expeditionary Advanced Base Operations (EABO), where success hinges on mobile, self-sufficient, and logistically light units. By producing potable water at the point of need, the ROWPU directly increases operational tempo while reducing the vulnerability of extended logistical supply lines. The system will be used across the full range of military operations, from combat support to Humanitarian Assistance/Disaster Relief (HA/DR).

The ROWPU must address the deficiencies of the legacy system by being more supportable, reliable, and capable. It should be significantly lighter, have lower power requirements, and deliver enhanced performance, particularly in saltwater environments.

The Marine Corps anticipates a procurement of 145 ROWPU systems under a potential 5-year Firm-Fixed-Price (FFP) Indefinite Delivery Indefinite Quantity (IDIQ) contract.

Interested vendors should demonstrate their capability to meet the performance requirements and provide structured, detailed responses regarding their solution, as described below.

3.0 Performance Requirements

The system must meet the following characteristics:

3.1 Water Production Rate

- The system shall produce a minimum of 1,000 (Threshold (T)) 1500 (Objective (O)) Gallons Per Hour (GPH)(T) from a standard seawater source (45,000 ppm Total Dissolved Solids (TDS).
- The system shall produce a minimum of 1,500 GPH from a brackish/freshwater source (≥1,000 ppm TDS).
- The system shall produce potable water that meets all contaminant levels as defined in TB MED 577 / NAVMED P-5010-10 / AFMAN 48-138_IP. (T=O).

3.2 Energy Efficiency

- The system shall consume no more than 30 Kilowatts (kW) (T) 15kW (O).
- The system must be compatible with the current family of Department of War generators. (T=O)

3.3 Operational Attributes

- The system shall be transportable on a single 463L pallet and be internally transportable on C-130 and C-17 aircraft (T). It should also be internally transportable in a CH-53 aircraft (O).
- The Setup of the system shall not exceed two hours (T) one hour (O).
- It shall be prepared from operational to transport within three hours (T) / two hours (O).

3.4 Operating Environment

- The system shall be capable of operating at ambient temperatures from 33°F to 120°F. (T=O)
- The system should be capable of operating down to 25°F. with a cold weather kit. (T=O)
- The system shall be capable of producing potable water from a contaminated source for a minimum of two continuous hours when used with a compatible Chemical Biological Radiological Nuclear pre-treatment kit. The system must be able to be decontaminated and allow a crew in Mission Oriented Protective Posture Level IV (MOPP-IV) to perform a full operational cycle.

3.5 Supportability Attributes

- **System Reliability:**
  - Mean Time Between Operational Mission Failure (MTBOMF) of 350 hours (T) 700 hours (O)
- **Maintainability:**

- The system shall have a Mean Time To Repair (MTTR) of 4 hours (T) 2 hours (O),
- All maintenance shall be performed without the need of special tools.

4.0 Information Requested

Interested vendors are requested to provide detailed responses to the following questions and inquiries. Please structure your response in a similar format.

1. Is the item currently available in the commercial market in accordance with (IAW) Federal Acquisition Regulations Subpart 2.101?
2. If a commercial item exists, but does not fully meet the above requirements, provide an estimate of when an item would be available to meet the above requirements?
3. Provide an estimate of the length production time (Months) from contract start to delivery of Low-Rate Initial Production (LRIP).
4. Provide an estimate of the length production time (Months) from delivery order start to delivery of production equipment to Albany, GA. Identify how many systems you can produce monthly.
5. Provide a cost estimate for producing each panel described in the "Design Criteria" section of this RFI. For estimating purposes, assume 10 LRIP systems and a total production of 150 systems.
6. Is there any previous technical test data (including environmental, operational, transportability) that are available to be provided?
7. Are there any consumables used with the system, and how often do they require replacement (e.g., every 30 days, 60 days, etc.)?
8. Identify any supply chain vulnerabilities in materials, components and/or other resources.
9. Provide technical drawings, if available, along with system dimensions and weight.
10. Describe your facility and infrastructure as it relates to support material storage, manufacturing, and production.
11. State whether your organization qualifies as a Small Business Administration (SBA) 8(a) Program, Historically Underutilized Business Zones (HUBZone) program, Service Disabled Veteran-Owned Businesses, Small Disadvantaged Businesses, Small Business, or participant of the Government Ability One Program as defined by the SBA.

5.0 Submission Instructions & Questions

Responses shall be received no later than **10:00 A.M. local time, Quantico, VA, 23 July 2026**. Responses shall be submitted electronically via e-mail or Department of Defense (DoD) Safe Access File Exchange (SAFE), and all attachments must be in Microsoft Office compatible format or searchable (non-scanned) PDF compatible format. Emailed submissions shall be submitted to **CONTRACT SPECIALIST Jamie Fullinwider at jamie.fullinwider@usmc.mil**, No industry day is planned.

Responses shall be no more than 5 pages, to include the cover letter and contact information. Submissions shall be single-spaced, 8.5 x 11 paper, 1 inch margin, and no smaller than 12-point type.

5.1 Required Cover Page Information

The cover page of the RFI response must include the following information:

1. Business Name
2. Business Size/Type
3. Point of Contact Name
4. Business Address
5. Phone Number
6. Email Address

Responses received after the suspense date and time will not be entertained. Telephonic responses will not be entertained.

5.2 Questions

Questions regarding this announcement shall be submitted no later than **10:00 A.M. local time, Quantico, VA, 07 July 2026** and only in written format by e-mail to **CONTRACT SPECIALIST Jamie Fullinwider at jamie.fullinwider@usmc.mil**, with the below subject line. Verbal questions will NOT be accepted. Questions should NOT contain proprietary or classified information.

"Company Name_RFI_Questions_M67854-26-I-5331_PM CSS ROWPU"

THIS IS A REQUEST FOR INFORMATION (RFI) ONLY: This notice constitutes no obligation whatsoever on behalf of the Government to procure services or issue a solicitation. The Marine Corps is neither seeking proposals nor accepting unsolicited proposals at this time and will not accept responses to this notice as offers. Vendors should appropriately mark all proprietary information. The U.S. Government will not pay for any information or administrative costs incurred in response to this RFI. See FAR 52.215-3, Request for Information or Solicitation for Planning Purposes.