

Piraeus, 12.09.2024

INVITATION FOR SUBMITTING OFFERS

Piraeus Port Authority S.A. is interested in proceeding with the procurement of one (1) Mobile Filtration Unit for the needs of PPA Engineering Department budgeted 15.000,00 euros.

Award criterion shall be the lowest total price, provided that all technical requirements and tender terms are met.

Interested parties are invited to submit their offer (alternative/second offers are excluded) until **23.09.2024** at 16:00 by email, to the following email address: offersubmission@olp.gr.

Offer submission will be completely electronically through email as follows:

1. Each offer should consist of two (2) individual folders: **a.** the technical offer including any participating documentation needed according to tender terms and **b.** the financial offer which should be protected with separate/different passwords. The passwords will be sent to PPA separately at each evaluation stage of the tender to a specific e-mail which will be notified by the PPA to all participants.
2. The offers' files only (not the passwords) should be sent directly to Procurement Department by the candidates at the following e-mail: offersubmission@olp.gr before the tender's expiry deadline with the indication: *"Procurement of one (1) Mobile Filtration Unit for the needs of PPA Engineering Department"* compression is .zip (not .rar).
3. On the date and time of each evaluation stage (technical evaluation, financial evaluation), the requested passwords only (different password for each stage) should be sent to the group email which will be notified by the PPA to all participants in due time with the indication: *"Procurement of one (1) Mobile Filtration Unit for the needs of PPA Engineering Department "*.

Within the technical offer the following must be included:

- Business profile (i.e. company profile presentation, company organization, offered products, customers, supplier network etc.),
- Recent Economic Data Recent Economic Data proving financial adequacy (i.e. tax certificate, published financial statements etc.),
- Technical Description of the offered item according to the tender requirements with clear references to the offered warranty period and delivery time (pls see the attached Technical Description)
- Relevant certificates proving the offered item's compliance with quality standards according to the tender requirements (pls see the attached Technical Description).
- Any other available certificates proving the candidate's compliance with quality standards such as ISO 9001:2015, ISO 14001:2015 etc. (this is not a ground for disqualification).

The offers shall bind the Candidates for at least two (2) calendar months from the submission deadline date.

Payment Terms shall be within two (2) months upon invoicing and following acceptance of the supply by the competent PPA acceptance body.

Interested Parties may receive additional information or clarifications in relation to this Request for Quotations, until ...3... days included, prior to the expiry of the time limit for offers submission, by submitting questions in writing to the Procurement Dep.

For PPA S.A.
DCEO

Qu Shengbin

Attached: • Technical specifications/Tender Terms

**PROCUREMENT OF ONE (1) MOBILE FILTRATION UNIT
FOR ENGINEERING DEPARTMENT OF PPA**

Piraeus, Greece

September 2024

Table of Contents

1. BACKGROUND INFO3

2. TECHNICAL DESCRIPTION5

3. MINIMUM TECHNICAL REQUIREMENTS TABLE6

1. BACKGROUND INFO

Preamble

The scope of the supply is the “Procurement of One (1) Mobile filtration Unit for Engineering Department of PPA that will be used from Engineering Department of PPA for filling hydraulic systems, flushing small hydraulic systems and for cleaning in bypass flow,

The filter unit connected to off-line to the tank can be used as a support to the filtration plant on start-up for fast flushing action, either as additional filtration systems with a high incidence of contamination. Also, solid particle contamination and free water can be removed by the filter elements.

A high-flow portable UFM unit is a standalone filtration system that operates in parallel with the main circuit of a hydraulic system. It continuously processes a steady amount of hydraulic fluid, working alongside the filter that is directly integrated into the main circuit to clean all the system's fluid.

The main advantage of off-line filtration is its effectiveness in removing fine particles and water from the oil, combined with a tremendous dirt-holding capacity. Due to their specialized design, the filters in portable units can capture particles that may not be trapped by the main filters. This prevents significant damage to the hydraulic components, which can be caused even by the smallest particles.

Additionally, removing water from the system prevents oxidation and corrosion, which improves performance and significantly extends the lifespan of hydraulic components.

Off-line filters are sometimes mandatorily installed during the initial assembly of the machinery by the manufacturer or as an optional upgrade by the customer due to increased issues with fluid cleanliness during the operation of the hydraulic system. A significant advantage is that the installation of the unit does not require changes to the existing hydraulic circuit.

The efficiency, high dirt-holding capacity, and excellent water absorption of off-line filtration are often enhanced by additional features such as continuous monitoring of the oil's cleanliness. Off-line filters can be used for extended periods without the need for costly maintenance or frequent replacement. Therefore, off-line filters are a cost-effective solution that helps prolong the life of hydraulic oil and thus reduce operational costs.

The power unit should be equipped with measurement technology for continuous monitoring of the fluid and also allow contamination counting and classification according to the international standards ISO4406 - NAS1638

At least one (1) year warranty will be provided for the structure and parts

The selection of the contractor shall be on the basis of lowest price if all specification requirements set by the tender are met.

2. TECHNICAL DESCRIPTION

General Requirement

The mobile filtration unit should be reliable and also ideal for all intense duties, further should be built, on a moving platform with high stability and durability.

The machine must comply with the most recent health and safety guidelines and must be equipped with all safety features that will make the operation as comfortable and safe as possible.

The whole construction unit should be extremely reliable, easy to service with minimum service intervals and all parts should have easy access for fast and effective maintenance. Also, it should be accompanied with operating and maintenance manuals as well as spare parts list in English language (the operators manuals should be translated also to Greek language).

Last but not least, the training schedule for the technicians should be proposed from the candidates within their offer.

Operating Environment

The mobile filtration unit should be designed to work under ambient temperature from -10 to 50°C. It will be suitable for working under any normal operation, under dusty conditions, such as dust, grind material, salty air, fog and air with acid/alkaline particles.

Important Note:

- The Candidate should describe the mobile filtration unit that offers by submitting all relevant technical details and data sheets, in order to check if all specification requirements are met.
- Every unit should be accompanied with all proper equipment, parts and clear procedure, with written instructions in a separate document, for the safe use of the device.
- The Candidate should describe in details the training schedule of technicians, which will include theoretical and on-job training.
- The unit will be delivered at PPA PIER 1, workshop facilities and any delivery costs will be borne by the supplier.
- The unit should be accompanied by two spare filters.

3. MINIMUM TECHNICAL REQUIREMENTS TABLE

A/A	General Description		Minimum Requirements
1	Manufacturer	Brand	Blank
2	Model	Model	Blank
3	Type	Mobile Filtration Unit	Mobile Filtration Unit
4	Pump	Vane pump or Gear pump	Vane pump or Gear pump
5	Motor	Electric	400/230 V three-phase
6	Flow		30-60 lts/min
7	Filtration Rating	2-10 µm	2-10 µm
8	Fluid compatibility	Oil	Hydraulic oil
9	Protection Class	IP 55	IP 55
10	Weight	Max. 80 kgs	Of manufacturers proposal
11	Measurement technology	Laser Particle Analyser / Counter	Laser Particle Analyser / Counter
12	Documentation, certification, spare parts and delivery time	Certification	1) To bear the CE marking, accompanied by the EC declaration of conformity
			2) Manufacturer to provide ISO 9001 certificate.
		Training	3) Candidate / Manufacturer should mention the training schedule for technicians (theoretical and on-job).
		Documentation	4) It should be accompanied with operating and maintenance manuals as well as spare parts list in English language (the operators manuals should be translated also to Greek language). Schematic drawings to be provided upon Offer.
		Spare part requirements	Spare parts to be readily available in Greece via manufacturer representative.
		Delivery time / Delivery terms	Within three (3) months / DDP (PPA S.A. Container Terminal, Piraeus)
13	Warranty time	Warranty	At least one (1) year.