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Tender announcement

Sukarrieta, 7th march 2023

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1. OBJECT

The AZTI Foundation announces the opening of a public tendering procedure for **the subcontracting of the execution of the works for the wastewater pumping project in the AZTI building and sewage piping in the promenade on TXATXARRAMENDI ISLAND in Sukarrieta (Bizkaia).**

2. LENGTH OF SERVICE

The service will be provided within a maximum period of **10 weeks** from the date of signature of the contract, **the deadline for completion of the works being 30 June 2023.**

3. ECONOMIC TENDER

The maximum economic offer that will be accepted for this tender is **sixty thousand euros (60.000,00 euros)**, taxes not included.

This price must include the direct and indirect costs derived from the services that are necessary for the delivery of the installations in perfect working order on the contracted date; the processing of permits specific to the work, detailed engineering, execution of detailed plans (if necessary), supply, transport, unloading and custody of auxiliary means of excavation, lifting, assembly and start-up on site, as well as the use of machinery, labour, accessory elements, auxiliary services such as electricity, water, reagents, tools, all materials and direct or incidental operations necessary for the corresponding work units to be finished and functioning.

Invoicing will take place at the conclusion of the service, and the invoice will be paid within 60 days of the date of issue.





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4. ASSESSMENT CRITERIA FOR PROPOSALS

The proposals received will be assessed on the basis of the following criteria:

Economic offer	50%
Technical adjustment	45%
CSR policies	5%

5. PRESENTATION OF THE PROPOSALS

Bidders may submit their proposals to the attention of Tania Gonzalez at the e-mail address tgonzalez@azti.es and at any of the AZTI centres, from the time of publication of this announcement on the AZTI Foundation website, **until 12 noon on 22nd March 2023**.

Proposals can be submitted in Spanish, English or Basque.

Tenderers may contact the following address for further **technical information**:

AZTI

Jose M^o Emezabal

Tel. 34 658 75 81 67

Mail: jemezabal@azti.es

6. AWARD

Once the offers have been received on the date indicated for their presentation, within 15 working days, the result of the tender will be published on the AZTI Foundation website.

7. CONDITIONS DE RECRUTEMENT

- The selected entity, during the time that the service relationship with AZTI lasts, must comply with the regulations in force on labour matters, Social Security and Health and Safety at Work, being subject, if applicable, to carry out the coordination



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of business activities in accordance with RD 171/2004 according to the procedure and specifications established (available at <https://www.azti.es/en/recruitment-rules/>)

- In any case, and independently of any other documentation, the selected entity must present, before the formalization of the contract, a certificate that proves that it is up to date with the fulfillment of its tax and social security obligations.
- The selected entity must present the necessary documentation to formalize the contract within a period not exceeding 20 days from the award. Or the documentation, the selected entity must follow the Internal Contracting Regulations published at www.azti.es
- In addition to the technical and administrative conditions, AZTI will positively evaluate those suppliers who demonstrate that they maintain policies on Quality, Health and Safety, the Environment, Sustainable Mobility, as well as Corporate Social Responsibility.

The supplier shall include in its proposal those documents or records that allow verification of these policies (quality and environmental certificates, documentation relating to actions in matters of social responsibility, etc.)

8. GENERAL DATA PROTECTION REGULATION

Person in charge: Identity: FUNDACION AZTI - AZTI FUNDAZIOA - CIF: G48939508 Postal address: TXATXARRAMENDI UGARTEA Z/G SUKARRIETA (BIZKAIA) Telephone: 946574000 e-mail: lopd@azti.es.

“From FUNDACIÓN AZTI we treat the information you provide us with the purpose of placing your order and billing for services and maintaining commercial relations. The legal basis for the processing of your personal data is our legitimate interest in maintaining commercial relations and carrying out the provision of services, being strictly necessary for this purpose. The data provided will be kept as long as the commercial relationship is maintained or for the years necessary to comply with legal obligations and, once the relationship has been resolved, to the extent that liabilities may arise. The data will not be transferred to third parties except in cases where there is a legal obligation, as well as to those providers of technical and computer services and auditing. Under no circumstances will we carry out international transfers of your personal data. You have the right to obtain confirmation as to whether or not FUNDACION AZTI - AZTI FUNDAZIOA is processing your personal data. Therefore, you have the right to access your personal data, rectify inaccurate data or request its deletion when the data is no longer necessary, as well as to exercise



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your right to oppose, limit or transfer your data, under the terms provided for in the applicable data protection regulations, by writing to the above-mentioned address. You may also lodge a complaint with the competent supervisory authority”.

9. TECHNICAL REQUIREMENTS

Execution of work on the wastewater pumping project in the AZTI building and sewerage pipe in the TXATXARRAMENDI ISLAND in Sukarrieta (Bizkaia).

The work area is located in the Urdaibai Biosphere Reserve, in an environment that forms part of the ES0000144 ZEPA Ría de Urdaibai and also of the ES 2130007 ZEC Zonas Litorales yMarismas de Urdaibai, specifically on the island of Txatxarramendi.

The scope and execution of the work must comply at all times with the current legal regulations on coastal, environmental and Urdaibai biosphere reserve matters. The conditions derived from this situation must be respected.

The aim of the project is to change the pumping equipment, 2 DU, for other more energy efficient submersible types. The waste collected in the pumping well will also be sent to the municipal sewerage network, located on the access bridge to the island, by means of a PEHD pipe with an external diameter of 90 mm.

The current treatment installation of the AZTI building has a septic tank with a useful volume of 5,300 litres.

EXECUTION BREAKDOWN

➤ DELIVERY PIPING

The impulsions of the two submersible pumps (new) will be joined in a polyethylene pipe, PE100 90Ø 10 Atm (5.4mm) as per EN 12201-2+A1:2013, the sections of which will overlap with watertight joints by means of electro-welded sleeves.

The connection of the individual impulsions of each pump will be carried out in a dry chamber, where the DN80 check and isolation valves will be installed. In each branch there will be an outlet for a 0-2.5 bar pressure gauge and another for unblocking the pipe, with its DN15 valves.



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A DN20 (3/4") isolation valve will be installed in the general collector to unblock and empty the line.

The manhole will be built in civil works, located in the garden area or as close as possible to this area. It will be approximately 1.0 x 1.2 x 0.8 m high and will have a drain at the bottom of the chamber, which will be connected to the pumping well by means of a plastic pipe, D63-PVC-PE or similar. Inside the pumping well, the pipe will be a 3" plastic pipe, and it will be fastened to the pump and to the rigid pipe by means of metal clamps. Once outside the well, the pipes shall be made of PED90.

➤ **IMPLEMENTATION OF THE RISING MAIN**

On the west side of the island, a pedestrian walkway of variable width between 2.0-2.5 m runs along the island, from the bridge to the viewpoint located on the north side. The path is paved with "platelets" and has a 0.8 m high and 0.2 m wide wall on the sea side which serves as a protective railing. On the opposite side of the promenade, the island side, there is a small 0.5 m high wall with a stone finish that serves to delimit the promenade with the Botanical Park. The implementation will be carried out along this promenade and will not involve any occupation of the Public Maritime Terrestrial Domain.

The impulsion pipe will come out, buried, from the pumping well, will reach the dry valve box located in the garden area, will cross the exterior wall, which delimits the building plot with the pedestrian walkway, below its base and, once in the walkway, will run supported on the ground, and attached to the wall on its lower part, on the "island or mountain" side.

The trenches to be made will have to be executed with "mini" type machinery or by hand. Once the pipe has been installed in the trench, the broken or deteriorated parts, such as walls, cobblestones, etc., will be replaced with materials of similar characteristics, with a finish similar to the existing one.

Trees and rocks must be saved along the route, so that no trees or bushes are affected. In the rocky areas along the promenade, a small trench may be dug to house the pipe. Special care must be taken in the execution and safety of the work, as the promenade will be accessible to pedestrians at all times, and cannot be closed to the public.

The total length of the pipe to be installed is approximately 292 m, of which 278 m run along the pedestrian walkway. The pipe will be covered along the entire promenade by a "right-angled triangle" with sides of approximately 20 cm x 20 cm, which will not be an obstacle to the transit of people along the promenade.

In the area next to the bridge, another trench will have to be dug across the promenade to come out on the side of the bridge where the sewerage pipe is located. The new pipe must be connected to the existing one on the bridge.



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The supplier awarded the contract will take the appropriate measures to **guarantee the passage of people across the promenade at all times.**

The entire layout of the pipeline and the necessary works will be carried out outside the DPMT.

Passage over the access bridge to the island is restricted to vehicles weighing 3,000 kg.

➤ **NEW PUMPING**

- As a first step, the existing mechanical, electrical and control installations will be dismantled, including their wiring.
- Before dismantling begins, it must be verified that the installations and equipment to be removed do not affect other services in the building.
- Two new pumps will be installed, one in reserve, of the FLYGT or similar submersible type, 2.4 kW and adaptive N impeller, especially for wastewater. The maximum flow capable of pumping will be 20 m³/h with a maximum head loss of 19.4 mcA. The installation will be made in the existing well without modifying it. The access cover will be replaced with a ductile cast iron 880 x 1650mm cover according to EN-124. Class D-400.
- The pump impulsions will have their check valves and isolation, they will be joined in a unitary PE collector with an external diameter of 90 mm which will be buried underground until it reaches the pedestrian walkway where it will continue until it reaches the existing sewerage collector.
- For the location of the valves, a new manhole of approximately 1000x 1200 mm will be built with an access cover made of ductile cast iron. EN-124. Class D-400. The chamber will have a drainage and emptying collector connected to the pumping well, built in PVC D63 or similar. In the individual impulsions, before the non-return valve a 0-2.5 bar pressure gauge and unblocking valves.

The new electrical panel for protection and control of the pumps will be installed inside the technical room of the building, replacing the existing one. The dry valve box will be installed in the garden area or next to it, where it will least interfere with the passage of vehicles.

The new pumps will be installed from the outside without the need to access the inside of the well. The pumps will incorporate a metal support base, which will be supported by their own weight. The drive section in the well will be made with a flexible hose for DN80-3" pipe,



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so that the pump can be easily removed. The pumps will be placed in the well and extracted using a portable tripod or similar, installed above the mouth of the well.

The new pumping system will be completed with a piezoresistive probe to measure the level in the well, a buoy-type level, auxiliary equipment to control pumping in the event of failure of the analogue probe and a power, protection and control panel to be installed in the building's maintenance room. Depending on the state of the interior walls of the well, the possibility of making a hollow borehole ($\varnothing 100$ mm) between the current pumping well and the previous chamber, to be made in the lower part of the well, thus increasing the storage capacity of the well, achieving a more homogeneous operation.

The characteristics of the pumps are included in the complete execution of works annex, which can be requested by email.

WORKS AREA AND ACCESS

The works will be carried out on the island, next to the AZTI building and on the pedestrian walkway. Access to the work area will be via existing roads, so that no paths or passageways through non-urban areas are envisaged. In the pedestrian walkway, the work area is confined by its walls.

Work on the pedestrian walkway will be carried out with the walkway open to the public.

The access from the stockpile area will be carried out with small machinery such as mini excavators, portable hammer drills, construction site dumpers, portable concrete mixers, etc. **These vehicles must respect the weight limitation of the access bridge to a maximum of 3t.**

WASTE MANAGEMENT

The awarded supplier shall draw up the Waste Management Plan (WMP) for the work, carry out the necessary administrative procedures and deliver the corresponding Final Waste Management Report at the end of the work.

HEALTH AND SAFETY

The awarded supplier must comply at all times with the Health and Safety at Work regulations in force, being responsible for their execution and compliance.



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At all times, the personnel in charge of carrying out the works will adhere to all legislation, rules and regulations relating to the Prevention of Occupational Risks that may be applicable.

GUARANTEE PERIOD

The guarantee period is set at one (1) year from the date of the Act of Acceptance of the end of the works.

All suppliers wishing to participate in the tender must request the specific technical requirements via email.