

<b>Closing Date:</b>	<b>Friday, 17<sup>th</sup> August 2012</b>	<b>at 10:00am</b>
<b>Quotation Reference:</b>	<b>MRA/118/2012</b>	



MALTA RESOURCES AUTHORITY

## **Call for Quotations**

**Issued on 27<sup>th</sup> July 2012**

# **ANALYSIS OF ELECTRICAL CONDUCTIVITY AND CHLORIDE CONTENT IN GROUNDWATER SAMPLES FROM A REGIONAL GROUNDWATER SYSTEM IN THE ISLAND OF MALTA**

## **CALL FOR QUOTATIONS**

### **ANALYSIS OF ELECTRICAL CONDUCTIVITY AND CHLORIDE CONTENT IN GROUNDWATER SAMPLES FROM A REGIONAL GROUNDWATER SYSTEM IN THE ISLAND OF MALTA**

#### **1. Objective**

This call for quotations is for the analysis of the salinity content (electrical conductivity and chloride) in a regional groundwater system in the island of Malta.

The Malta Resources Authority (Contracting Authority) reserves the right to request any number of sample analyses but, for indicative purposes only, expects to request approximately between 175 and 200 analysis.

#### **2. Contract Term**

The commencement of this contract shall be upon the issuance of the '**Order to Start Works**' issued by the Contracting Authority. The maximum delivery period of the analysis results shall be 3 months from the request for sample analysis.

The period required to produce final results from the day of collection should be stated in the quotation.

#### **3. Specifications**

The bidder is to submit an offer satisfying the specifications outlined below. The offers submitted shall indicate the comprehensive price for the analysis as listed under Annex I to this document.

The contracting authority requires the analysis of groundwater samples for the identification of indicators of salinity in groundwater. This analytical exercise should assess the presence and quantify the content of the parameters listed below:

- (i) Electrical Conductivity (measured in situ)
- (ii) Chloride

#### **4. Limits of Detection**

The proposed methodology should be able to detect the presence of the above identified parameters to the below listed levels:

Electrical Conductivity – 10 $\mu$ S/cm

Chloride – 1mg/l

## **5. Sampling**

The successful bidder shall be required to collect the groundwater samples from the sampling sites as indicated by the Contracting Authority. The Contracting Authority will inform the site owner/manager about the monitoring exercise being undertaken by the successful bidder and ensure that access to these sites is provided by the site owner/manager. The successful bidder will need to undertake the necessary logistical arrangements for the sampling exercise (appointments etc). All the costs related to the collection of the samples are to be included in the quotation.

All sampling sites utilized in this monitoring exercise will be fitted with a groundwater abstraction device (electrical pump).

All sampling sites will be located in a particular region (district at Nuts III level) in the island of Malta.

The successful bidder shall be responsible for the storage, handling and delivery of the collected groundwater samples from Malta to the laboratories where the analysis will be undertaken (should the analysis not be undertaken in a Maltese laboratory).

## **6. Freight**

Freight costs to and from Malta (if applicable) are to be included in the quotation. Bidders are also responsible for making all the necessary arrangements in regard to freight to and from Malta.

For freight purposes, all the analysis under this call for quotations will be undertaken in at most in two-batches.

## **7. Standards**

The analytical methods used shall conform to national and/or international standards. Bidders must provide documentation on the standards on which their analytical methods are based and confirm their capability of adhering to this condition and consequently their ability to produce reliable results with a high level of accuracy.

Bidders must also ensure that the selected analytical methods are adapted to high salinity conditions, and consequently ensure their ability to produce reliable results with a high level of accuracy under high salinity conditions.

Tenders must submit certified documentation outlining the standard on which their analytical methods are based and confirm their capability of adhering to the above two condition and consequently their ability to produce reliable results with a high level of accuracy.

## **8. Analysis Report**

Following the successful implementation of this monitoring exercise, the successful bidder is required to submit an analysis report outlining the analytical results obtained. This report has to be submitted in both paper and electronic (pdf) versions. Groundwater quality data has to be submitted in xls format.

## **9. VAT**

Quoted prices are to be inclusive of Value Added Tax. Moreover, the successful bidder shall be bound to conform in all respects with VAT legislation and regulations.

The Contracting Authority reserves the right, at any time to request the contracted company to provide its official VAT registration number.

## **10. Other Terms and Conditions**

Quotations submitted are to be in EUROS.

The quotations submitted shall be considered valid for a period of 6 months.

## **11. Submission Requirements**

Proposals are to be submitted in the format as shown in **Annex 1** and are to be presented at the:

**Tender Box,  
Malta Resources Authority  
Millennia 2<sup>nd</sup> Floor  
Aldo Moro Road  
Marsa MRS 9065**

**By no later than 10.00am of 17<sup>th</sup> August 2012**

Proposals submitted in any other way or format will not be considered. Late submissions will not be considered.

## **12. Payment Terms**

Payment will be effected in full following the satisfactory delivery of the services.

## **13. Award Criteria**

This quote will be awarded to the cheapest technically compliant offer.

## **ANNEX 1**

### **ONLY QUOTATIONS SUBMITTED IN THE STIPULATED FORMAT WILL BE CONSIDERED**

**Quotation Ref: MRA/118/2012**

#### **Suppliers/Contractor's details**

Company's Name:	
Contact Person's Name and Surname:	
Company's Address:	
Telephone Number:	
Mobile Number:	
Fax Number:	
E-mail address:	

#### **INDICATORS OF SALINITY**

		Price per sample (incl of VAT)	Price per batch of 10 samples (incl of VAT)	Price per batch of 50 samples (incl of VAT)
		EURO	EURO	EURO
Electrical Conductivity	□S/cm			
Chloride	mg/l			

This quotation is valid for a period of \_\_\_\_ days.

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

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