



## Request for Quotation (RFQ) for the supply of Radar installation system to the CSIR

RFQ No: 5596-28-02-2020

Date of issue:	Friday, 14 February 2020
Closing Date and Time:	Friday, 28 February 2020 at 16h30 <b>(Late submissions will not be considered)</b>
For submission of quotations	For submission of quotations or any other enquiries: <a href="mailto:tender@csir.co.za">tender@csir.co.za</a> <b>(Please use RFQ Number as subject reference)</b>

### 1 INVITATION FOR QUOTATION

Quotations are hereby invited for the supply of Radar Installation system to the CSIR

### 2 QUOTATION REQUIREMENTS

#### **RADAR system installation on two WAHOO boats**

#### 2.1 Introduction

This tender is for the replacement/upgrade of Furuno radar systems on two WAHOO boats. Two WAHOO boats were upgraded previously and this order will be for the replacement/upgrade of another two WAHOO boats.

The existing Furuno radar systems on two WAHOO boats will have to be removed and two new Furuno radar systems have to be installed, one system on each WAHOO boat. This entails delivery of components, removal of current radar equipment and cabling, installation of new radar system, commissioning and a formal release, the so-called Sea Acceptance Test (SAT).

#### 2.2 Equipment list

See attached spreadsheet for the equipment list and quantities required. The quote will cover the delivery of the equipment to 4 Special Forces Regiment (4SFR), Langebaan. All equipment supplied and installed must be new and unused.

All consumables, accessories, kits and looms requires for the installation has to be included in the quote.

#### 2.3 Installation on site

The contractor will be required to remove the existing radar systems, install the new equipment on two boats in the boat hanger at 4 Special Forces Regiment, Donkergat, and Langebaan. Contractor personnel of the installation team(s) will have to adhere

RFQ no: 5596-28-02-2020

This is not a Purchase Order.

to the 4 Special Forces Regiment (4SFR) rules and regulations for contractors. The following are guidelines as to the requirements of contractors working on-site (4SFR):

- Only South African citizens with valid identification documents will be allowed to work on site.
- Contractors will be screened prior to access being granted
- Contractors will be issued with a temporary identification card
- Contractors will be escorted for the full duration of the time on site
- Contractors will have to fall in with the working hours prescribed by 4SFR
- Contractors will be required to sign a non-disclosure form
- Contractors will have to arrange in advance with 4SFR management for the on-site work.

#### **2.4 Commissioning**

The contractor will be responsible for the commissioning of the installation and the equipment. A commissioning service report must be completed and signed off by an authorised Furuno distributor/agent in South Africa.

This completed document must be submitted to the CSIR Quality Assurance (QA) representative as a prerequisite for the SAT.

#### **2.5 Removed components**

The old radar equipment removed from the boats can be disposed of by the contractor.

#### **2.6 Installation Inspection**

The installation will be inspected by CSIR and Armscor QA representatives for:

- good workmanship,
- marinized to for long-term survival in the harsh marine environment and
- adequately secured to withstand the shocks the boats are subjected to during operational use.

#### **2.7 Sea Acceptance Test (SAT)**

The contractor will be required to draft a Sea Acceptance Test document. This document will have to be approved by CSIR QA and Armscor QA prior to the SAT. The SAT will include the boats going out to sea to test the new installation in accordance with the approved Sea Acceptance Test document. The SAT will be witnessed by CSIR QA and Armscor QA representatives.

Once the CSIR Quality Assurance representative is satisfied with the installation and operation of the system, he will submit the commissioning, installation inspection and SAT documents, together with a Certificate of Conformance to the Armscor QA representative and request the issuing of the Armscor Inspection/release/acceptance certificate (K225 document) for approval and payment. The approved K225 document along with an invoice will then be submitted to the CSIR for payment.

## 2.8 Documentation required

### 2.8.1 Commissioning service report

This document will be drafted, completed and signed by an authorised Furuno representative during commissioning. The report will list all the equipment and their serial numbers where applicable.

### 2.8.2 Installation Inspection document

CSIR will draft the installation inspection sheet. The inspection sheet will be made available to the contractor prior to installation.

### 2.8.3 Sea Acceptance Test (SAT) document

This document will be drafted by the contractor and be completed during the Sea Acceptance Trial. Armscor QA and CSIR QA representatives will witness this SAT and co-sign the SAT document upon successful completion.

### 2.8.4 Manuals

At least two paper operating manuals, in English are required. In addition, one electronic format copy of the manual (in English) must also be supplied in a format acceptable to 4 Special Forces Regiment.

## 2.9 Warranty

A comprehensive material (equipment) and workmanship warranty is required, for at least 12 months from date of the Armscor Inspection/release/acceptance certificate was issued. The contractor shall state this in writing in the quote.

Should supplier maintenance be required on the installation and/or equipment within the 12 month period, then it shall be included in the quote.

## 2.10 Time schedule

The full scope of work as described above shall be completed within eight weeks from placement of order.

The quote shall state the number of days required for the installation, commissioning, inspection and SAT for the two boats; the number of days the contractor needs to be on site.

Part Number	Item Description	Qty (per boat)
	<b>Navigational Equipment at Nav Station:</b>	
ARAD0056	Furuno NavNet TZTouch 2 12" Multi- Touch bonded colour multifunction network station	1
	Mapmedia mm3d charts for TZT2, MWVJAFM005MAP14.1 Red Sea, Arab Gulf and Africa	1
ARADA425	Furuno DRS4D-NXT c/w 15mtr cable	1
	<b>Sounder Component:</b>	
CXTDE360	Airmar B117 600W 50/200kHz Low profile TDC Furuno 10P	1

<b>Part Number</b>	<b>Item Description</b>	<b>Qty (per boat)</b>
CXTDE140	Furuno ST-02MSB Bronze T/Hull Temp	1
CPLUG367	Furuno Y-Adapter cable 10P-10P-6P	1
ASNVA259	<b>Data Repeater:</b> Furuno RD33 remote data display	1
ASNV0060	<b>GPS Antenna:</b> Furuno GP330B GPS antenna c/w 6mtr NMEA2000 cable	1
ASNVA530	<b>Heading Sensor:</b> Furuno PG700 fluxgate compass	1
	<b>Connectivity:</b>	
CCABL4010	NMEA2000 Power T	1
CCABL4020	NMEA2000 6m Drop Cable	2
CPLUG3000	NMEA2000 T-piece	4
CPLUG3030	NMEA2000 Terminator Male	1
CPLUG3035	NMEA2000 Terminator Female	1
	<b>Installation:</b>	
	Labour, travel and material (as required, per boat)	1
	<b>Release:</b>	1
	Own commissioning	1
	Sea Acceptance Trial document	1
	Sea Acceptance Trial	1

### 3 EVALUATION CRITERIA

- 3.1 Selection of suppliers will be based on the 80/20 preference point system.
- 3.2 Please take note that the submitted BBBEE Certificate should be SANAS Accredited or Sworn Affidavit with the dti template. Any Certificate which is not as mentioned will not be considered for evaluation.
- 3.3 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use [www.csd.gov.za](http://www.csd.gov.za) to register.
- 3.4 No order will be issued or no contract will be signed without a valid CSD number.

### 4 PRICING QUOTATION

- 4.1 Price needs to be provided in South African Rand (excl. VAT), with details on price elements that are subject to escalation and exchange rate fluctuations clearly indicated.
- 4.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 4.3 Payment will be according to the CSIR Payment Terms and Conditions.

## **5 OTHER TERMS AND CONDITIONS**

5.1 The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any CSIR employee or its representatives. Such an act shall constitute a material breach of the Agreement and the CSIR shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.

5.2 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.

**6 No goods and/or services should be delivered to the CSIR without an official CSIR Purchase order. CSIR purchase order number must be quoted on the invoice. Invoices without CSIR purchase order numbers will be returned to supplier.**

**7 Note: This is not a Purchase Order.**

Annexure A – SBD 1 Form