

Subject Q&A information Notice Design, build and maintenance of a FerryBox on board of research vessel MS Zirfaea
TenderNed 490542
number
Reference 31191766
number
Date 20-nov-24

Phase	Subject	Question	Answer	Date	By
Inschrijffase	Invitation document	In the tender document is not specified which kind of sensors must be used in order to make the quotation for the bidding. Which sensors must tenderer use?	Indeed, specific sensors are not mentioned in the tender document, with the exception of three pre-determined instruments (Pi-10, CytoSense and LabSTAF) which were selected based on input from the main data users. There are several reasons for this. a)At the time of writing the tender document, insufficient information was available regarding the specifications of the (other) required sensors (precision, resolution, etc.). b)Determining sensor specifications in consultation with data users, selecting suitable sensors based on these specifications, and evaluating maintenance needs and financial implications requires experience, expertise and potentially some creativity. This task is better handled by an experienced market party and is therefore included as part of the assignment in the tender document (section 3.1.1). The costs for sensors not specified in the requirements specification do NOT need to be included in the tenderer's bid. This creates a level playing field between tenderers. Similarly, the Pi-10 and CytoSense, which have already been purchased by Rijkswaterstaat, do not need to be included in the bid. However, the LabSTAF is a pre-determined instrument, but has not yet been purchased by Rijkswaterstaat and therefore must be included in the tenderer's offer. As specified in section 3.1.1, the Contractor must organize a meeting with Rijkswaterstaat (with end users present) to finalize sensor selection, where choices must be translated into: •Financial implications (purchase + maintenance) •Impact on service, maintenance and calibration •Accuracy, precision, resolution and range	11-11-2024	Anne Habben Jansen

Inschrijffase	Invitation documentn	In the Tender documents a number of certificates are mentioned, must the tenderer have these?	The tenderer preferably has the certificates that are specifically linked to the contractor in the tender document, or can demonstrate in another way that they meet the requirements and qualities to which the certificates relate. It is explicitly NOT intended to exclude tenderers who can make a high-quality offer but do not have certain certificates.	11-11-2024	Anne Habben Jansen
Inschrijffase	Tender documents	For the data quality and data quality delivery, must the data be checked by the contractor before sending or must the data be transmitted in real live?	Since the Contractor is responsible for the proper performance and maintenance of the FerryBox and sensors, Rijkswaterstaat assumes that the Contractor will also need to perform the data quality control that is directly linked to the performance and maintenance of sensors, instruments and peripheral equipment. The quality control framework specified in section 3.4.4 (following QC levels 0-3 as defined by SMHI) is included in the tender document to facilitate discussion about the division of responsibilities between the Contractor, Rijkswaterstaat, and involved researchers regarding data quality control. The framework is indicative and intended to support discussions about the specific roles and responsibilities in data quality control after the contract has been awarded.	11-11-2024	Anne Habben Jansen
Inschrijffase	Tender Documents	In the pictures of the water supply the indicated diameter of the tubes is very small. Must the contractor make the adjustments here for needed or is this arranged by the client?	According to the tender document, the Contractor is required to ensure that the FerryBox fits within the operational context present on the Zirfaea (as shown in Figure 2, section 3.1). This includes the process water supply. At minimum, the Contractor must ensure that the FerryBox can be connected to all required facilities (plug (,test) & play). Any necessary or desired modifications must be implemented in accordance with section 3.4.5 "Execution and coordination of work activities" in the requirements specification.	11-11-2024	Anne Habben Jansen
Inschrijffase	Tender documents	Is the intention that the client and/or researchers are able to be in the FerryBox at the same time?	We interpret this question as follows: should there be space for one person to perform certain activities in the container? Indeed, this is correct. The specifications for this are described in section 3.2.11 Workbench of the tender document.	11-11-2024	Anne Habben Jansen

		Total Chlorophyll: Does this mean sensor-based chl a fluorescence measurements (e.g., TriOS Nanoflu chl a sensor?	Total chlorophyll measurements should indeed be sensor-based, but the specific sensor type is not predetermined in the tender. As per section 3.1.1, sensor selection will be finalized in a meeting between the Contractor and Rijkswaterstaat, where choices must be evaluated based on technical specifications (accuracy, precision, range, maintenance requirements and financial implications) The cost for this sensor should NOT be included in the tender bid to ensure a level playing field between tenderers.	20-11-2024	Anne Habben Jansen
		Global radiation: Does this mean hyperspectral radiance/irradiance like a TriOS RAMSES sensor package or a total integrated radiation like a CNR4 radiation sensor?	According to section 3.1.1 of the tender document, hyperspectral measurements are specifically required. The specific sensor type is not predetermined in this stage. As with other sensors, the final selection will be made in consultation with Rijkswaterstaat and end users. The cost for these sensors should NOT be included in the tender bid to ensure a level playing field between tenderers.	20-11-2024	Anne Habben Jansen
		What are the desired uncertainties for pH and pCO2? What salinity ranges should be optimized for pH measurements?	The specific technical requirements for pH and pCO2 uncertainties and salinity ranges will be determined during the consultation meeting described in section 3.1.1. The cost for these sensors should NOT be included in the tender bid to ensure a level playing field between tenderers.	20-11-2024	Anne Habben Jansen
		Nutrients: uncertainty requirements? Sensor based or sample based?	The nutrient analyzers are sensor based. According to section 3.1.1 of the tender document, the implementation of automated nutrient analyzers will be thoroughly explored during the sensor selection meeting. The specific technical requirements will be determined during the consultation meeting described in section 3.1.1. The costs for nutrient analysis equipment should NOT be included in the tender bid to ensure a level playing field between tenderers.	20-11-2024	Anne Habben Jansen
		Full ship plans with dimensions and cable gates + areas where sensors cannot be installed (light sensors, GPS, ...)	The requested is available after rewarding of the contract. The contractor will be invited for at location to obtain the information.	20-11-2024	Anne Habben Jansen

		Really no internet connection from the ship? (remote access, data transfer)	We have indeed been specifically requested by the Zirfaea's management to implement an independent internet connection for the FerryBox container and not rely on the ship's internet facilities.	20-11-2024	Anne Habben Jansen
		CytoSense and LabStaf: full feature description of ordered sensors.	See attached	20-11-2024	Anne Habben Jansen
		Is there a known laboratory close by that can perform the validation process?	There are several suitable laboratories in the Netherlands that could be approached for this validation work. For the bid, it is sufficient to indicate that an appropriate party will be selected after the contract has been awarded.	20-11-2024	Anne Habben Jansen
		Is the water sampler considered to be a “sensor” and should it be included in the bidding?	The automated water sampler is not considered a sensor but rather a required component of the quality control system (3.1.4). Therefore, the water sampler MUST be included in the bid.	20-11-2024	Anne Habben Jansen
		Is there a more specific area as “dutch North sea”? What are the general ports?	This link (https://maps.rijkswaterstaat.nl/gwproj55/index.html?viewer=IHM_Monitoringagenda_v2.Webviewer) shows the transects sailed by the Zirfaea in the North Sea as part of regular North Sea monitoring. However, it is not excluded that the Zirfaea will also be deployed for other campaigns in the North Sea. The Zirfaea's home port is Scheveningen harbor.	20-11-2024	Anne Habben Jansen
		We came accross another question regarding Annex 6. The document clearly states ‘concept’ but on the other hand it is part of the checklist. What exactly is expected of the tenderers?	Annex 6 is the proposed contract for this tender, its added to provide the tenderers insight in the set up and give the tenderers the possibility - at Q&A-information stage - to ask question about it. If no questions have come across the concept is considered agreed and the details like contractorname etc. will be added after rewarding.	20-11-2024	Anne Habben Jansen

		Can you provide an English version of the main tender document 'European Single Procurement Document'?	Although it was intended to provide all documents in English, one document was inadvertently included in Dutch. Please note that tendering authority is not required to provide all tender documents in languages other than their own. Given the remaining time available, we kindly request you to arrange for the translation of this document yourself. Any of the free translation services available online should be sufficient to understand the document's content.	20-11-2024	Anne Habben Jansen
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