

Aanbesteding: RWIS Road Weather Information System for the Netherlands
Aanbestedende Dienst: Rijkswaterstaat Centrale Informatievoorziening
Referentie: 31158671

Toelichting:

Ref.nr. **Onderwerp:**
1 Appendix H Demand Requirements Specification (DRS) v1.1, 3.3.9
Maintenance (OT ID: 9), page 33

Vraag:
RWIS 9.3: In which format should this be delivered or is this a free choice for the contractor?

Antwoord:
The format must be compatible with Office 2016.

Beantwoord op: 05-07-2022
Label: Inhoud

Ref.nr. **Onderwerp:**
2 Appendix H Demand Requirements Specification (DRS) v1.1, 3.3.6 Meteo
sensory measurement (OT ID: 6), page 27

Vraag:
RWIS 6.3.1: Is the rain sensor required at a height of 1.5 meters or may this also be, for example, 2 meters high.

Antwoord:
The measurement height must be at least 1.5 m. The height is to be determined in accordance with RWS.

Beantwoord op: 05-07-2022
Label: Inhoud

Ref.nr. **Onderwerp:**
3 Appendix H Demand Requirements Specification (DRS) v1.1, 3.3.5
Roadside Sensory measurement (OT ID: 5), page 24

Vraag:
RWIS 5.1.2: We believe this probe should be reconsidered as its accuracy is around 25 degrees and not around the freezing point the system is intended for.

Antwoord:

RWS is aware of the limitations of the PT100 sensor. Nevertheless RWS wishes to apply this sensor for purposes of reference.

Beantwoord op: 05-07-2022

Label: Inhoud

Ref.nr.

4

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.1, 3.3.5
Roadside Sensory measurement (OT ID: 5), page 24

Vraag:

RWIS 5.1.1: Are these the standard sensors that apply to all cabinets?
Because these cannot be used at locations with an alternative energy source.

Antwoord:

No.

For locations with alternative energy a minimum of 4 embedded sensors is required.

Beantwoord op: 05-07-2022

Label: Inhoud

Ref.nr.

5

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.1, 3.3.4
Hardware components (OT ID: 3), page 22

Vraag:

RWIS 4.1.1: On which powersupply should we base our price?

Antwoord:

Pricing should be based on power supply from the grid (230V/50Hz).

Beantwoord op: 05-07-2022

Label: Inhoud

Ref.nr.

6

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.1, 3.3.4
Hardware components (OT ID: 3), page 22

Vraag:

RWIS 4.1.1: What type of stations should be equipped with solar panels and to what extent is there any flexibility with components in the context of

energy consumption.

Antwoord:

Most likely only the basic variant will be able to have an alternative power supply.

Flexibility should be possible within the specifications.

Beantwoord op: 05-07-2022

Label: Inhoud

Ref.nr.

7

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.1, 3.3.3
Hardware components (OT ID: 3), page 20

Vraag:

RWIS 3.1.2: The prescribed modem supports GPS, may this GPS data be imported or should a separate module be used?

Antwoord:

A separate module is not mandatory.

Beantwoord op: 15-07-2022

Label: Inhoud

Ref.nr.

8

Onderwerp:

General

Vraag:

We request that the tender will be bilingual, both Dutch and English. This applies to both the tender documents submitted by RWS as the documents to be submitted by the bidders.

Antwoord:

Your request will not be approved.

The procurement documents are only available in the English language.

As stated in par. 7.16 Descriptive Document all communication must be in the English language. Thus the documents to be submitted by the bidders must be in English.

Beantwoord op: 05-07-2022

Label: Proces

Ref.nr.

9

Onderwerp:

Descriptive document, 1.4, page 8

Vraag:

Due to the early release of the documents and our original planning, based on the planning provided by contractee (release of the documents after the summer holidays), we planned our holidays such that our team is ready when the tender should be published. Therefore we would like to ask for an extension for the deadline of at least two months.

Antwoord:

Your request will not be approved.
RWS is not aware of a planning that states a publication date after the summer holidays.

Beantwoord op: 05-07-2022

Label: Proces

Ref.nr.
10

Onderwerp:

Appendix E - Financial Offer

Vraag:

We note the requirement to provide our European List Prices with minimum discounts. However, our List prices are continually changing. Is the pricing we put in the tender fixed for the duration of the 4yr framework or can this be periodically updated?

Antwoord:

a. The prices quoted by bidders in the Financial Offer tab "Tender Price" may only be adjusted as specified in the contract article 7.2.

Please note that this article applies to the full duration of the contract and is not limited to 4 years.

b. In the case that, at a later date, parties agree that new or alternative models or types of the components will be supplied, prices for these components will be agreed. These prices must be in accordance with the then current European Price list and the applicable discount.

c. Bidders are required to submit their European price list as part of their tender. This must be the current price list at the date of tender.

d. Bidders are not obliged to give a discount on the list price, but if they do give a discount the same discount percentage must be applicable during the duration of the contract.

Beantwoord op: 07-07-2022

Label: Contract

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Onderwerp:

Appendix H, Section 2.3.4

Vraag:

"Measuring station contains all sensors that have the basic and the standard"
Can you explain the intention of having "Plus RWIS" stations equipped with both embedded and non-invasive road condition sensors?

Antwoord:

The Plus RWIS stations are stations that have additional sensors and are strategically placed across the whole network. The additional sensors could also be sensors used for other purposes than winter maintenance. In some situations the non-invasive sensors don't do the job and therefore we have some stations that have both. The intention is to verify other data sources with our measuring stations, therefore we combine both type of sensors at some locations.

Beantwoord op: 07-07-2022

Label: Inhoud

Ref.nr.

12

Onderwerp:

Appendix E, Appendix H

Vraag:

Will bidders that do not offer an IoT road sensor be disqualified? What does "should have" in Appendix H mean when at the same time Appendix E states that bidders are obliged to offer it?

Antwoord:

Rijkswaterstaat has decided that bidders do not need to offer an IoT sensor. The IoT sensor will not be part of the Financial Offer. Therefore a rectification of the Format Financial Offer and a rectification of the Demand Requirements Specification including Annex B will be provided.

Beantwoord op: 07-07-2022

Label: Contract

Ref.nr.

13

Onderwerp:

Appendix H

Vraag:

Tender specifies the 4 system types in 3 different sections of Appendix H, each with different specifications. For example p.10 2.3.5 , RWIS 5.3 , Annex B, Appendix H]. Better example: "Standard" RWIS in 2.3.2 mentions Air condition (clear, cloudy, etc.) while in Annex B this is not included. Please clarify?

Antwoord:

i. The intention of par. 2.3 of the DRS (App. H) is to give an overview of the basic versions.

When there is a contract a specific configuration for each measuring location will be made.

ii. The requirements that apply to the components are specified in chapter 3 of the DRS.

iii. Annex B is for pricing purposes. Annex B describes the 3 configurations for which bidder must offer a unit price in his Financial Offer (Format Financial offer, tab Tender Price, Part A).

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Label: Inhoud

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Onderwerp:

Appendix H, Section 2.3.4

Vraag:

Please confirm that the characteristics and sensors described in section 2.3.4 should not be priced as part of any of the Basic, Standard, Plus RWIS systems.

Antwoord:

As stated in answer 13, pricing of the systems in bidder's Financial Offer must be compliant with the configurations described in Annex B.

The components specified by bidder in the Financial Offer must comply with the requirements included in DRS chapter 3.

Beantwoord op: 07-07-2022

Label: Inhoud

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15

Onderwerp:

Appendix H, Section 3.3.5 RWIS 5.3

Vraag:

Reference is made to the requirement for a Narrow band IoT road temperature and chemical sensor. Can Rijkswaterstaat please confirm if their intention was to limit IoT solutions to devices that use Narrow Band IoT technology only? There are many forms of IoT radio communications available, NB-IoT being just one form. In addition, it specifies that the requirement explanation is due to NPR-CEN/TS 15518:2013 and related standards, yet narrow-band IoT is not mentioned in these standards. Will Rijkswaterstaat therefore consider removing all references to 'IoT Narrow band' and 'Narrow band IoT' and replace with a more generic phrase such as 'IoT infill'?

Antwoord:

In DRS requirement RWIS 5.3 the words “narrow band” will be removed. Also see the answer to question 12.

Beantwoord op: 07-07-2022

Label: Inhoud

Ref.nr.
16

Onderwerp:

Appendix H, Annex B

Vraag:

Section requests pricing for four solutions (Basic, Standard, Plus and IoT sensor). Will Rijkswaterstaat accept bids on partial lots (i.e., not all four solutions)? Specifically, would Rijkswaterstaat accept bids which included Basic, Standard and Plus solutions but no IoT sensor solution, on the basis that these can operate alongside a separate IoT sensor solution from a different vendor which sends data to the RWIS data platform, thus offering a hybrid solution to Rijkswaterstaat.

Antwoord:

See the answer to question 12.

Beantwoord op: 07-07-2022

Label: Inhoud

Ref.nr.
17

Onderwerp:

Descriptive document 1.1 / 2.1

Vraag:

RWS demands timely and efficient delivery of materials. What is the required delivery time?

Antwoord:

Delivery times are specified in PRS (App. I) par. 5.5

Beantwoord op: 07-07-2022

Label: Contract

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20

Onderwerp:

Descriptive document 5.1

Vraag:

The requirements describes a number of 3 pages A4 at most for each quality criterium. Is it allowed to deliver a quality document with 12 pages at most

but not necessarily 3 pages for each criterium?

Antwoord:

No, your proposal will not be approved.

As stated in par 5.2 Descriptive Document bidder shall submit a description of 3 pages A4 at most for each quality criterium.

Beantwoord op: 07-07-2022

Label: Contract

Ref.nr.
21

Onderwerp:
Price document

Vraag:

The descriptive document speaks about 350 stations to be delivered . The price document speaks about other quantities. Can you indicate which quantities should be applied.

Antwoord:

As stated in par 2.4 Descriptive Document: Regarding the fixed term of 4 years, Rijkswaterstaat assumes the supply of circa 350 measuring stations. The factors in the Format Financial Offer are specified to calculate the Tender Price (see par. 5.3 Descriptive document).

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Label: Contract

Ref.nr.
22

Onderwerp:
DRS 3.3.1

Vraag:

RWS delivers the mast. Can we receive the specifications?

Antwoord:

Does not apply for this contract.

The specifications of the mast are not available at this point in time.

Beantwoord op: 07-07-2022

Label: Contract

Ref.nr.
23

Onderwerp:
Descriptive document 1.1

Vraag:

Does KNMI carries out the calibration at its own expense? What is the frequency of the calibration? Which sensors need to be calibrated?

Antwoord:

KNMI mainly calibrates the sensors that are placed in the radiation shield (humidity and air temperature).

The calibration costs will be paid by Rijkswaterstaat. Rijkswaterstaat will agree the calibration procedures with KNMI depending on the types and characteristics of the sensors.

Beantwoord op: 07-07-2022

Label: Contract

Ref.nr.
24

Onderwerp:
General

Vraag:

We request that the tender is bilingual. Dutch and English. This concerns the tender documents as well as the proposal.

Antwoord:

See the answer to question 8.

Beantwoord op: 05-07-2022

Label: Proces

Ref.nr.
25

Onderwerp:
Descriptive document

Vraag:

Request for a postponement of 2 months, due to the summer holidays and internal procedures

Antwoord:

Your request will not be approved.

Beantwoord op: 05-07-2022

Label: Proces

Ref.nr.
26

Onderwerp:
Appendix E: Format Financial Offer (version 1.1)

Vraag:

The calculation made on cell F21 does not correspond to the multiplication

of the cells D21 and E21. If this was not done by purpose, we would like to ask you for a new version of this file in order to have comparable offers.

Antwoord:

A rectification of the Format Financial Offer will be provided.

Beantwoord op: 07-07-2022

Label: Proces

Ref.nr.

27

Onderwerp:

Demand Requirements Specification RWIS v1.1

Vraag:

From page 9, the version "Standard" of the RWIS has to be able to support 4 road sensors and 4 of such road sensors are visible on the diagram of this version.

Could you please specify that the exact number of sensors to quote for each RWIS in the "Standard" version (Opt. 002, Annex B, page 39)?

Antwoord:

A rectification of Annex B will be provided.

Beantwoord op: 07-07-2022

Label: Proces

Ref.nr.

28

Onderwerp:

Planning

Vraag:

Referring to the descriptive document, you encourage bidders to ask questions at the earliest convenience. Is it possible to answer the question about delaying the deadline as soon as possible? As stated in our question of 28th June, we have issues with fulfilling the deadline as we originally expected to receive the tenderdocuments after the summer break.

Antwoord:

See the answer to question 9.

Beantwoord op: 05-07-2022

Label: Proces

Ref.nr.

29

Onderwerp:

Appendix H

Vraag:

Does system need to comply to all specifications, although there might only be one supplier available in the market (IoT sensor)?

Antwoord:

See the answer to question 12.

Beantwoord op: 07-07-2022

Label: Inhoud

Ref.nr.
30

Onderwerp:
Appendix H

Vraag:

What is the purpose for having 4 embedded road sensors combined with a remote road sensor in the plus system configuration?

Antwoord:

See the answer to question 11.

Beantwoord op: 07-07-2022

Label: Inhoud

Ref.nr.
31

Onderwerp:
Appendix E: Format Financial Offer (version 1.1)

Vraag:

It is required that "The unit price per complete configuration (System) must be based on a lifespan of 10 years (including costs within 10 years of replacement if necessary)". Does this mean that Rijkswaterstaat requires 10 years warranty on all systems?

Antwoord:

The following example clarifies your query.

Example:

System Y consists of 4 components:

Component 1 with a technical life of 15 years

Component 2 with a technical life of 10 years

Component 2 with a technical life of 5 years

Component 2 with a technical life of 2 years

In this example the price over the period of 10 years including necessary replacements will then be composed of:

1 X price component 1

1 X price component 2

2 X price component 3

5 X price component 4

Rijkswaterstaat does not require a 10 year warranty on all systems.

Beantwoord op: 07-07-2022

Label: Inhoud

Ref.nr.
32

Onderwerp:
Publication Information Notice

Vraag:

Pursuant to Article 42 of Directive 2014/24 EU, the contracting authority has the obligation to functionally specify its request. Paragraph 2 of this Article provides that the technical specifications shall provide tenderers with equal access to the procurement procedure and must not create unjustified barriers to the opening of public procurement contracts. The requirement that a product is available 'off the shelf' is not a functional requirement. By setting this requirement, parties are hindered from accessing this contract because this reduces the products to be applied to a maximum of 3 in Europe, while the demand for slipperiness can also be met with other solutions. There is no justification for this impediment, so it must be regarded as an unjustified impediment. Can you confirm that the off-the-shelf requirement will be dropped as this is not a functional requirement and this requirement is unjustified?

Antwoord:

Article 42 of Directive 2014/24/EU is implemented in Article 2.75 of the Dutch Procurement Act (Aanbestedingswet 2012). This article essentially includes the obligation for contracting authorities to draw up proportionate technical specifications, thereby creating equal access for tenderers and not creating unjustified obstacles and to publish the technical specifications. Although it is generally preferable to describe assignments functionally, this is by no means mandatory as you state.

Rijkswaterstaat determines its own purchasing needs and has opted for a Commercial off the shelf (COTS) product. Bidders who can offer such a product all stand a chance of winning the contract. Competition will take place between these parties. The fact that Rijkswaterstaat thereby excludes parties that do not have a COTS product on offer is not an unjustified obstacle. After all, it is up to the contracting authority to determine whether it opts for bespoke or standard products.

Rijkswaterstaat has chosen to procure Commercial off the shelf (COTS) products as a result of an extensive market consultation and thorough deliberations with other (regional, local and European) road maintenance authorities, combined with internal strategic goals and policies. The choice to use COTS products has several benefits that will allow

Rijkswaterstaat to reduce (project and organisational) risks and costs. In summary these advantages are:

- COTS products are already implemented by other (similar) clients and can thus be considered as ‘proven technology’;
- COTS products have the benefit that the COTS supplier continuously improves and updates its products because the products must always be attractive to possible new clients;
- In contrast to a sole customer of bespoke technology, the installed base of a COTS product will also stimulate the development of new technology;
- Because development costs can be shared between multiple clients, the total cost of ownership will be lower;
- Deployment of COTS products reduces vendor dependency and limits lead time.

This requirement will therefore not be withdrawn.

Beantwoord op: 15-07-2022

Label: Juridisch

Ref.nr.

33

Onderwerp:

Descriptive document

Vraag:

Chapter 6. Assessment. Will the assessment of the quality criteria be done in anonymous way (i.e., the experts assessing will not see the names of the bidders)? And should bidders write their answers such that the assessment can be done in anonymous way (e.g., no logo on the answers)?

Antwoord:

No, assessment of the quality criteria will not be anonymous.

Beantwoord op: 13-07-2022

Label: Proces

Ref.nr.

34

Onderwerp:

Wind sensor RWIS.2.3.4:

Vraag:

RWIS.2.3.4: Maintenance cost for an ultrasonic wind sensor is typically much less than mechanical wind sensor during the sensor lifetime. Maintenance free ultrasonic wind sensor has better performance especially at lower wind speed, because no mechanical bearings and possible freezing. As an alternative, would it be possible to offer ultrasonic wind sensor meeting required technical specification?

Antwoord:

As long as the sensor meets the requirements, it is allowed to offer an ultrasonic wind sensor.

Beantwoord op: 15-07-2022
Label: Inhoud

Ref.nr.
35

Onderwerp:
Antenna RWIS.3.3.2

Vraag:
RWIS.3.3.2: Does Rijkswaterstaat provide the antenna or is it supposed to be provided by the RWS station technology provider?

Antwoord:
Yes, Rijkswaterstaat will provide the antenna.

Beantwoord op: 15-07-2022
Label: Inhoud

Ref.nr.
36

Onderwerp:
Camera, Annex B

Vraag:
Annex B (2.3.3), Should Mobotix or equivalent camera be included to plus station prices in the financial offer?

Antwoord:
Yes;
see also the latest version of appendix H: DRS.

Beantwoord op: 15-07-2022
Label: Inhoud

Ref.nr.
37

Onderwerp:
Publication Information Notice

Vraag:
TM540: Can RWS indicate how many measuring systems can be ordered per order? What is the minimum order size and what is the maximum order size?

Antwoord:
As specified in PRS TM550 a maximum order size of 5 units has been specified for urgent assignments.
Besides this no minimum and maximum order sizes have been specified.

During the term of the contract, RWS will periodically share planning information with the Contractor.

Beantwoord op: 18-08-2022

Label: Proces

Ref.nr.
38

Onderwerp:
Publication Information Notice

Vraag:

Can RWS indicate how many measuring systems per type (Basic, Standard, Plus) will be ordered within this contract?

Antwoord:

For the size of the assignment see par. 2.4 Descriptive Document.
The Format Financial Offer (App. E) gives an indication of the spread of the numbers over the different configurations.

Beantwoord op: 18-08-2022

Label: Proces

Ref.nr.
39

Onderwerp:
Publication Information Notice

Vraag:

Should there be room in the system cabinet for a meter board?

Antwoord:

If an electricity meter is used at a certain location, this will be carried out in a separate cabinet, which is not part of the delivery of this contract.

Beantwoord op: 18-08-2022

Label: Inhoud

Ref.nr.
40

Onderwerp:
Publication Information Notice

Vraag:

How many temperature sensors should be possible to connect to the system?

Antwoord:

The system must be capable to work with 1 (one) meteorological temperature sensor (DRS RWIS.6.1) and maximal 4 (four) additional road

surface temperature probes (DRS RWIS.5.1.2).

All other road temperature measurements should be measured with embedded and/or remote sensors.

Beantwoord op: 18-08-2022

Label: Inhoud

Ref.nr.
41

Onderwerp:
Publication Information Notice

Vraag:

Appendix H Demand Requirements Specification (DRS) v1.1

3.3.5 Roadside Sensory measurement (OT ID: 5)

Are these the existing sensors or new sensors that need to be delivered within this contract?

Antwoord:

These are new sensors, to be delivered within this contract.

Beantwoord op: 18-08-2022

Label: Inhoud

Ref.nr.
42

Onderwerp:
Publication Information Notice

Vraag:

"For the interfaces, the following is described regarding the interface, CPU to RWIS data platform:

The RWIS data platform is a transparent data layer that acts as an interface between the user and maintenance applications. Communication is based on an open standards and internet protocol. The actual data layer is under construction.

Can RWS disclose which protocol this will be?"

Antwoord:

This could be any protocol, based on open standards and internet protocol. In addition, the supplier must meet the requirements regarding API (DRS RWIS.9.4.x).

Beantwoord op: 18-08-2022

Label: Inhoud

Ref.nr.
43

Onderwerp:
Publication Information Notice

Vraag:

"The DRS states that the enclosure has to have an IP65 protection class. However most outdoor cabinets have an IP protection class of IP55. Is it possible to revise this requirement and also allow enclosures with an IP class 55?"

Antwoord:

No, IP65 is the protection class we need for our RWIS-systems.

Beantwoord op: 18-08-2022

Label: Inhoud

Ref.nr.

44

Onderwerp:

Demand Requirements Specification v1.3

Vraag:

3.1 Introduction: The introduction describes the meaning of "Must" "Should" and "Could" in regards to the requirements. Does RWS expect the bidder to provide a statement in the BPQR-criteria which "Should" and "Could" requirements are included in the offer? If yes, on which BPQR-criteria do these requirements have influence?

Antwoord:

It is not mandatory for bidders to provide a statement which "Should" and "Could" requirements are included in the offer.

Beantwoord op: 18-08-2022

Label: Contract

Ref.nr.

45

Onderwerp:

Demand Requirements Specification v1.3

Vraag:

3.1 Introduction: The introduction describes the meaning of "Must" "Should" and "Could" in regards to the requirements. Do these priorities influence the assessment of the BPQR-criteria? If yes, how will RWS assess the "Should" and "Could" requirements?

Antwoord:

It is up to the bidder to decide if reference is made to "should" and "could" requirements in bidder's elaboration of the quality criteria. Bidder's elaboration of the quality criteria will be assessed as described in par. 5.2 Descriptive Document.

Beantwoord op: 18-08-2022
Label: Contract

Ref.nr. 46
Onderwerp: Appendix E Format Financial Offer version 2.0

Vraag:

Appendix E states that "The unit price per complete configuration (System) must be based on a lifespan of 10 years (including costs within 10 years of replacement if necessary);" whereas RWIS.1.1.1. states that "the RWIS measuring system has an operating life of at least 15 years.". What is the reason for this discrepancy?

Antwoord:

RWS wishes to assess the financial offer based on a lifespan of 10 years for the configurations.

RWS wishes to have the possibility to use the configurations for at least 15 years.

Beantwoord op: 18-08-2022
Label: Inhoud

Ref.nr. 47
Onderwerp: Process Requirements Specification RWIS-NL contract1 v1.0

Vraag:

In process requirement EM290 the supplier of the Winter Controle application, BG Engineering, is named as a stakeholder for integration between the presentation layer and the RWIS-system. As we understood BG Engineering will be the contractor for Rijkswaterstaat to provide the application Winter Controle during the contract and will therefore have an important role in the integration between RWIS and Winter Controle. We also understand that parts of the integration still need to be developed during the contract. The contract does not contain any further information on the technical integration or cooperation with Winter Controle / BG Engineering. BG Engineering is exclusively bound to one of the bidders for this contract. This means there is no level playing field in this tender. Especially on the cost calculation for the part of the integration with Winter Controle and the BPQR-criteria "Support of RWS and its contractors" we see no level playing field at this moment. Can RWS take adequate measures to restore the level playing field in this tender?

Antwoord:

RWS understands from your question that you assume that bidders are obliged to make a cost calculation for the integration with Winter Controle. That is not the case in this procurement procedure.

In part C of the Format Financial Offer bidders are requested to offer prices per hour (rates) for specific roles/functions. For advice and support activities during the term of the contract the prices offered in part C will apply.

RWS also does not expect a concrete technical description of the integration with Winter Controle in bidder's elaboration of the quality criteria.

In respect to the above RWS does not see the need of additional measures to ensure the level playing field.

Beantwoord op: 18-08-2022

Label: Juridisch

Ref.nr.
48

Onderwerp:
3115 8671 Descriptive Document RWIS v1.0

Vraag:

The bidder has the need of an additional session to align supply and demand. Request is to schedule an individual meeting in week 34.

Antwoord:

As stated in par. 7.4 Descriptive Document bidders can ask questions via TenderNed.

In this procurement procedure the possibility of individual information sessions is not offered. Your request will therefore not be fulfilled.

Beantwoord op: 18-08-2022

Label: Proces

Ref.nr.
49

Onderwerp:
General

Vraag:

After the adjustment of the tender documents, we see sufficient leads to make a bid on this tender, however, due to the restart of the tender process and the delay this has caused, we believe that the lead time for the tender is very short. We would therefore like to request that the submission date be extended by at least two weeks.

Antwoord:

Your request will not be approved.

Beantwoord op: 18-08-2022

Label: Proces

Ref.nr.

51

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3, 3.3.6 Meteo sensory measurement (OT ID: 6), page 28

Vraag:

RWIS 6.5.1: Why is there a requirement for 90 m/s (324 km/hr) for gusts measurement? Hardest measured gust in the Netherlands was 162 km/hr. (according to publication 'KNMI - Zware stormen in Nederland sinds 1910' <https://www.knmi.nl/nederland-nu/klimatologie/lijsten/zwarestormen>). Also a not official 202 km/hr on Vlieland. Can Rijkswaterstaat explain why this "excessive" measurement is required?

Antwoord:

These requirements are necessary to make the RWIS system compatible to actual and near future CEN requirements.

Therefore the requirement for the wind speed and gusts measurements should meet the NEN-EN 15518-3:2011 requirements.

Requirement RWIS.6.5.1 will change to be:

Wind speed

Measuring range: at least from 0,0 m/s to 35,0 m/s;

Resolution: 0,1 m/s;

Accuracy: ± 1 m/s (range from 1 m/s to 10 m/s);

± 10 % (otherwise);

Starting value: < 1 m/s.

The wind speed shall be specified as an average vector over a sliding time interval of 10 min.

Gust of wind

Measuring range: 0 m/s to 50 m/s;

Resolution: 0,1 m/s;

Accuracy: ± 1 m/s (range from 1 m/s to 10 m/s);

± 10 % (otherwise);

Starting value: < 1 m/s.

The gust of wind is measured over 3 seconds rolling average values with at least 4 samples per second.

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Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3, 3.3.6 Meteo sensory measurement (OT ID: 6), page 28

Vraag:

RWIS 6.5.1: Can the requirement for the 90 m/s (324 km/hr) gusts measurement be removed? Hardest measured gust in the Netherlands was 162 km/hr. (according to 'KNMI - Zware stormen in Nederland sinds 1910'

<https://www.knmi.nl/nederland-nu/klimatologie/lijsten/zwarestormen>) Also not official 202 km/hr on Vlieland. We request to remove this requirement, as 75 m/s is more than enough. Also for most meteorological institutes. This is a road side application.

Antwoord:

See answer on question 51

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53

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3, 3.3.6 Meteo sensory measurement (OT ID: 6), page 28

Vraag:

RWIS 6.5.1: We requested to remove the requirement for the 90 m/s gusts measurement. If this requirement won't be removed, can the requirement be changed to a maximum of 85 m/s?

Antwoord:

See answer on question 51

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Label: Inhoud

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54

Onderwerp:

Appendix E Format Financial Offer version 2.0

Vraag:

Due to the answers to questions 14 and 41 it is clear now that the Contractor has to deliver and price all sensors needed per system. In the Demand Requirements Specification there is a maximum number of sensors specified. In the financial offer this is unclear. Can RWS specify the number of sensors to be priced for each configuration?

Antwoord:

No, the financial offer must comply with the situation described in Appendix B of the DRS.

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Onderwerp:

55

Appendix E Format Financial Offer version 2.0

Vraag:

In the format we cannot specify the number of components in the measuring station. How should we fill in the price of components where the number of components is bigger than 1?

Antwoord:

Appendix E is amended. There is added a new column in tab "Specification systems". Bidder must fill in the number per specific component. The price is established by means of a formula in column "H".

Bidder must use Appendix E "Format Financial Offer", version 2.5. Version 2.0 will expire

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Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3 Annex B system "Standard" and "Plus"

Vraag:

According to annex B "Requested solutions for pricing purposes" a surface ice layer measurement for is needed for system "Standard" and "Plus". Does bidder need to include ice layer sensors in the offer? If yes, please specify how many sensors must be offered, and how this must be included in Appendix E. For your information: ice layer detection is not part of requirement RWIS.5.1.1.

Antwoord:

No, RWS drops this specific demand "surface ice layer measurement" for the financial offer. A new version (1.4) of the DRS and Annex B will be published.

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57

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3 Annex B system "Plus"

Vraag:

Does RWS require the embedded road surface sensor for system "Plus" be the same as the embedded sensor as for system "Standard"?

Antwoord:

No, it is not a requirement.

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58

Onderwerp:

Process Requirements Specification RWIS-NL contract1 v1.0 requirement TM550

Vraag:

For urgent assignments a delivery time of 10 working days applies. The delivery date must be determined in consultation with the Client and confirmed in writing by the Contractor, by means of an order confirmation. The number of measuring stations per urgent assignment was maximised to 5 units, by the Client.

A delivery time of 10 working days is almost impossible in the current market conditions with the delivery problems of materials. Can RWS drop this requirement?

Antwoord:

No, RWS will not drop this requirement

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59

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3 Annex B system "Standard" and "Plus"

Vraag:

According to annex B "Requested solutions for pricing purposes" the amount of de-icing measurement for is not needed for system "Standard" and "Plus". Is this correct? For your information: the amount of de-icing is a "must have" for embedded sensors as stated in requirement RWIS.5.1.1.

Antwoord:

Your observation is correct. A correction will be published in a new version of the DRS and Annex B (version 1.4)

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60

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3 Annex B system "Standard" and "Plus"

Vraag:

According to annex B "Requested solutions for pricing purposes" a camera is needed for system "Standard" and "Plus". Does bidder need to include camera's in the offer? If yes, please specify how many camera's must be offered, and how this must be included in Appendix E.

Antwoord:

Yes, in combination with each "standard" and "plus" measuring station we want one new camera to be offered. In appendix E you state the camera among all other parts of the according system on the tab "Specification systems".

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61

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3 paragraph 2.5

Vraag:

For system "Plus": "Measuring station can be supplemented with anemometers". Does bidder need to include anemometers in the offer? If yes, please specify how many sensors must be offered, and how this must be included in Appendix E.

Antwoord:

No, you need to comply to the desired functionality of the system as described in Annex B of the DRS.

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62

Onderwerp:

3115 8671 Descriptive Document RWIS v1.0 paragraph 5.2

Vraag:

In the table on page 15 it states quality criterium "Supply and support" and on page 16 it states quality criterium "Delivery and Support". What is the correct name?

Antwoord:

The correct name is "Delivery".

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63

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3 paragraph 2.5

Vraag:

For system "Plus": "Measuring station can be supplemented with a radiation meter". Does bidder need to include a radiation meter in the offer? If yes, please specify how many sensors must be offered, and how this must be included in Appendix E.

Antwoord:

See answer on question 61.

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64

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3 paragraph 2.5

Vraag:

For system "Plus": "Measuring station can be supplemented with a visibility sensor". Does bidder need to include a visibility sensor in the offer? If yes, please specify how many sensors must be offered, and how this must be included in Appendix E.

Antwoord:

See answer on question 61.

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65

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3 paragraph 2.5

Vraag:

For system "Plus": "Measuring station can be supplemented with air quality sensors". Does bidder need to include air quality sensors in the offer? If yes, please specify how many sensors must be offered, and how this must be included in Appendix E.

Antwoord:

See answer on question 61.

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66

Onderwerp:
Appendix H Demand Requirements Specification (DRS) v1.3 requirement
RWIS.5.1.1

Vraag:
Does the embedded road surface sensor need to be delivered with a prefab attached cable? If yes, what is the required minimal length of the prefab attached cable?

Antwoord:
It depends of the solution of the supplier.

In case an embedded sensor has a prefab attached cable its minimum length is 10 meters.
In case the sensor does not have a prefab attached cable, the assembly of cable and sensor should meet all requirements stated in the DRS.

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67

Onderwerp:
Appendix D Baseline Information Security

Vraag:
Given the nature of the activities of the Contract, we think a VOG is a far-reaching requirement. Can RWS drop a relevant Certificate of Good Conduct (COGC) in Security Requirement 8?

Antwoord:
Yes, RWS drops this requirement. however, in certain circumstances, RWS will require a VOG statement.

Beantwoord op: 31-08-2022
Label: Uitvoering

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68

Onderwerp:
3115 8671 Descriptive Document RWIS v1.0 paragraph 5.2

Vraag:

For each quality criterium Bidder shall submit a description of 3 pages A4 at most, with well legible font. Is the bidder allowed to add a cover sheet for each quality criterium?

Antwoord:

Yes that is allowed. however, text on a cover page will not be graded.

Beantwoord op: 31-08-2022

Label: Proces

Ref.nr.
69

Onderwerp:

ARBIT 2018 article 30.8

Vraag:

Can RWS add in article 9 of the Contract that the method of settlement as included in article 30.8 of the ARBIT 2018 also applies if the volume is less than 90% of the estimated delivery of 360 (partly) assembled measuring stations as specified in appendix E Format Financial Offer version 2.0? Article 30.8 of the ARBIT 2018 applies, among others, to other obligations that the Counterparty has already entered into in performing the Contract in so far as they cannot be limited.

Antwoord:

No, RWS will not add an extra article to Appendix F Concept Contract RWIS. Rijkswaterstaat assumes the supply of circa 350 till 360 measuring stations. However, this is an indication based on the amount of systems currently in operation.

Beantwoord op: 31-08-2022

Label: Contract

Ref.nr.
70

Onderwerp:

ARBIT 2018 articles 26.1, 26.2 and 26.3

Vraag:

The liability referred to in article 26.1 for loss or damage other than that referred to in article 26.2 is limited per event to an amount not exceeding four times the Fee. For this purpose, interrelated events will be treated as a single event.

In accordance with a recent tender, can RWS change this to "The liability referred to in article 26.1 for loss or damage other than that referred to in article 26.2 is limited to an amount of € 1,250,000 per event. For this purpose, interrelated events will be treated as a single event."

In accordance with the principle of proportionality, can RWS additionally limit the liability referred to in articles 26.2 and 26.3 to a maximum of € 2,500,000 per calendar year?

Antwoord:

RWS cannot fulfill your request. However, article 26.3 is changed as here under:

The liability referred to in article 26.1 for loss or damage other than that referred to in article 26.2 is limited per event to an amount not exceeding two times the Fee. For this purpose, interrelated events will be treated as a single event.

Beantwoord op: 31-08-2022

Label: Juridisch

Ref.nr.

71

Onderwerp:

ARBIT 2018 article 17.5

Vraag:

A party that breaches the duty of secrecy provided for in article 17.1 will owe the other party a penalty of €50,000, due and payable forthwith, for each infringement. In accordance with a recent tender, can RWS change this to € 25,000?

Antwoord:

Your request will not be approved.

Beantwoord op: 31-08-2022

Label: Juridisch

Ref.nr.

72

Onderwerp:

ARBIT 2018 article 7.2

Vraag:

Without prejudice to the provisions of article 8, title to the Deliverable (or parts of it) will pass to the Contracting Authority upon Acceptance. Can RWS change "upon Acceptance" to "upon payment"? This is then in accordance with Process Requirements Specification v1.0 requirement B-FM220 "After payment all deliverables are property of the Client".

Antwoord:

Requirement B-FM220 will be changed to:

After acceptance all deliverables are property of the Client.

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Label: Juridisch

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73

Onderwerp:

Appendix F Concept Contract RWIS v1.1 pages 4, 5, 6 and 7

Vraag:

Deliverable is written with a capital letter, but is not a definition according to Appendix A. Terms, definitions and abbreviations and the Descriptive document. Can RWS change this?

Antwoord:

See Article 1.27 ARBIT GENERAL GOVERNMENT TERMS AND CONDITIONS FOR IT CONTRACTS 2018 (ARBIT 2018) as attached to this "Nota van Inlichtingen" (.Q&A document)

Deliverable: a Product to be delivered by the Counterparty, a Public Service Contract to be performed by it or a Licence to be granted by it or a combination thereof, including Materials and Documentation.

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Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3 Annex B: Requested solutions for pricing purposes

Vraag:

RWS states that the height of the mast is 5 meters, but according to the image the height of the mast is max 5 meters. What is the correct height of the mast?

Antwoord:

The height of the mast is 5 meters.

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Label: Inhoud

Ref.nr.

75

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3 requirement RWIS.5.1.1

Vraag:

Can RWS specify the expected accuracy, range, resolution and response time of the value "Water film thickness"?

Antwoord:

According to the near future standards of NEN-EN 15518-3:2022 requirements about water film thickness are:

Water film thickness

The following requirements apply for pavement embedded sensors:

Measuring range: 0,00 mm to 3,00 mm;

Resolution: 0,01 mm;

Accuracy: $\pm 50\%$ (range from 0,01 mm to 0,10 mm);

$\pm 30\%$ (range from 0,11 mm to 3,00 mm).

The requirements are considered for water films in liquid stage.

This requirement specification is valid under stable and reproducible environment conditions. It has to be considered that the real environment condition on a road under traffic, result in high variations.

The following requirements apply for remote sensors:

Measuring range: 0,00 mm to 2,00 mm;

Resolution: 0,01 mm;

Accuracy: $\pm 50\%$ (range from 0,05 mm to 0,10 mm);

$\pm 30\%$ (range from 0,11 mm to 2,00 mm).

The reference area of remote working sensors depending on measuring distance had to be specified by the supplier as well as the maximum measuring distance and angle.

The mean water film thickness is to be reported over the reference area.

The requirements are considered for water films in liquid stage. If a sensor did not provide ice film and snow layer thickness, then this water film is considered as all kind of water content (water equivalent).

This requirement specification is valid under stable and reproducible environment conditions. It has to be considered that the real environment condition on a road under traffic, result in high variations.

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76

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3 requirement RWIS.5.1.1

Vraag:

Can RWS specify the expected accuracy, range, resolution and response time of the value "Amount of de-icing agent"?

Antwoord:

According to the near future standards of NEN-EN 15518-3:2022 requirements about water film thickness are:

Amount of de-icing agent
Applies for embedded active and passive sensors:
Measuring range: 0 g/m² to 50 g/m²;
Resolution: 1 g/m²;
Accuracy: ±50 %.
The de-icing agent is salt (NaCl).

Response time of the value should be maximal 6 minutes

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77

Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3 requirement
RWIS.5.1.1

Vraag:

Can RWS specify the expected accuracy, range, resolution and response time of the values "Road surface condition"?

Antwoord:

According to the near future standards of NEN-EN 15518-3:2022 requirements about road surface condition are:

Road surface condition

For pavement embedded sensors:

Dry: no humidity within the measurement area of the sensor;

Not dry: from 0,015 mm water film thickness within the measurement area of the sensor.

For remote sensors:

Dry: no humidity within the measurement area of the sensor;

Moist: from 0,015 mm water film thickness within the measurement area of the sensor;

Wet: from 0,055 mm water film thickness within the measurement area of the sensor;

Ice: Surface contaminated with water in solid state – whole water content frozen.

Water equivalent more than 0,015 mm;

Snow: Surface contaminated with dry, packed or wet snow. Total water equivalent more than 0,015 mm;

Slush: Surface contaminated with a mixture of snow or ice and liquid water or de-icing chemical solution. Total water equivalent more than 0,015 mm;

Hoar frost: Surface contaminated with hoar frost

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Onderwerp:

Appendix H Demand Requirements Specification (DRS) v1.3 requirement
RWIS.5.1.1

Vraag:

In the embedded roadside sensory measurement the following measurements are required (requirement RWIS.5.1.1):

- Road surface temperature (Priority: must have)
- Road subsurface temperature (Priority: must have)
- Road surface condition (Priority: must have)
- Amount of de-icing agent (Priority: must have)
- Water film thickness (Priority: must have)

In the explanation of requirement RWIS.5.1.1. however there is a reference to chapter 4.1, and in that chapter only the roadside temperature (surface and subsurface) is required for the embedded sensor. Can RWS confirm that the embedded roadside sensor must include all measurements as stated in RWIS. 5.1.1?

Antwoord:

Yes, embedded road side sensors must include all measurements stated in RWIS.5.1.1.

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79

Onderwerp:

Process Requirements Specification RWIS-NL contract1 v1.0

Vraag:

In the PRS a lot of process activities are required such as: project management, quality management, interaction between client and contractor, project control, financial management, environmental management etc. These activities are required for the duration of the contract. In Appendix E Format Financial Offer we see no line items that will cover the cost of these activities. Can we assume these costs will be part of Part C of the Financial Offer? If not, please clarify how these costs must be submitted.

Antwoord:

No, RWS expects these activities to be part of the annual fee (Part B). See also DRS chapter 2.1 Scope.

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Onderwerp:

Process Requirements Specification RWIS-NL contract1 v1.0

Vraag:

The process requirements state that the contractor makes plans such as: Project management Plan, Progress Reports, Schedule Plan, Documentation (DO) etc. Can we assume these costs will be part of Part C of the Financial Offer? If not, please clarify how these costs must be submitted.

Antwoord:

No, RWS expects these plans to be part of the annual fee (Part B). See also DRS chapter 2.1 Scope.

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Onderwerp:

Answer to question 47

Vraag:

In the answer to question 47 RWS has given answer to the level playing field situation in terms of the cost calculation. However, the question also contains level playing field on the BPQR-criteria "Support of RWS and its contractors" (5.2.2 in the descriptive document). As BG Engineering is a contractor of RWS, we see no level playing field at this moment for answering this BPQR-criteria, as BG Engineering (as one of the contractors of RWS) is exclusively bound to one of the bidders. Can RWS take adequate measures to restore the level playing field in this tender?

Antwoord:

RWS is not aware of this exclusive bound between potential bidders. There is no such bound by means of RWS in the current separate contracts for GMS. BG is one of the existing contractors where any new future contractor must cooperate with as long as the contract with BG stands.

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Onderwerp:

European price list

Vraag:

What is the function of the European price list during the contract period? (Descriptive Document RWIS v1.0, chapter 5.3.)

Antwoord:

Additional and replacement components and sensors within the scope of the contract that are purchased, must be part of the European price list.

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