

## Algemene informatie

**Aanbesteding:** Debiet ADM  
**Aanbestedende Dienst:** Rijkswaterstaat Centrale Informatievoorziening  
**Referentie:** 31204225  
**Toelichting:**  
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## Vraag en antwoord

**Ref.nr.** **Onderwerp:**  
1 ADM.300 Laboratory Test

**Vraag:**

Will the laboratory equipment that needs to be delivered become the property of RWS and must be factored into the price by the supplier, or is it only a loan and will it be returned to the manufacturer?

**Antwoord:**

The laboratory equipment will be on loan and returned to the manufacturer.

**Fase:**

Inschrijffase

**Inschrijfronde:**

Inschrijfronde 1

**Vragenronde:**

Vragenronde 1

**Beantwoord op:**

4 mrt 2026

**Percelen:**

P1 ADM

**Ref.nr.** **Onderwerp:**  
2 Discharge Tender Specifications Processes / BO080 Preventive Maintenance

**Vraag:**

It's specified that the contractor must perform or arrange preventive maintenance of the implemented Flow Measurement Instruments, every two years. RWS would like to close a contract for 10 years with an option of 5 additional years. However, in other parts of the tender documents it's indicated that the preventive maintenance is not part of the tender. Please clarify whether the preventive maintenance has to be considered or not.

**Antwoord:**

Indeed contradicting requirements are found in the TSR and the TSP. Preventive maintenance is not included, as stated in TSR ADM.120. ADM.120 does indicate that contractor will provide a Maintenance Manual for the LMW M&S Contractor. Part of the advice hours is considered that contractor will give training to RWS and the LMW M&S contractor for correct preventive maintenance.  
There will not be a two-yearly factory maintenance.

For the TSP the following should be adjusted:

P-BO020: Third-line maintenance will hence consist of inspection, calibration and repairs.

BO080: will be deleted.

At FM310 2.a., 3.a. and 3.b. have no field/part in Annex 3A. These must be included in the price list  
P-FM320 2.a is not correct. The information in the Quotation Form is the correct information.

**Fase:**

Inschrijffase

**Inschrijfronde:**

Inschrijfronde 1

**Vragenronde:**

Vragenronde 1

**Beantwoord op:**

4 mrt 2026

**Percelen:**

P1 ADM

**Ref.nr.**

3

**Onderwerp:**

Tender Specification Requirements, ADM.301, ADM.310

**Vraag:**

For the field test, the existing cross 1 installed at 42 m + NAP (marked as cross-section A) must be replaced, and the currently installed cables from the junction pit can be used. Since cross 1 in cross-section A is described in detail, we assume that the existing poles can be used and the test transducers are just installed next to the existing transducers. Please clarify whether new supports in the water must be installed and that they meet 42 m + NAP or that the existing poles can be used.

**Antwoord:**

This installation is temporary with an expectation of 2 years, but possibly longer up to 5 years. To clarify: Only the ground signal cables (between junction pit and acquisition site) are to be re-used. The transducer cable running from the junction pit to the new transducer should be newly installed. The cables could be protected with a plastic protective conduit (smooth HDPE pipe), with weights (chains, weighted shell sections, post at the top and underwater). The posts should then be such to not pose danger to navigation. Protection of the cable from debris and current flow is needed, but not all damage can be avoided if the cables may not be buried.

The current supports cannot be used, as the current transducers need to remain in place. As well, the work space on the current supports is rather difficult due to the debris screens. It will be easier and safer that the new cross is realised downstream from cross 1 with approximately 10 m - a safe working distance to not damage the current transducers.

We provide extra documentation with drawings of the current poles and debris protection. This is for information about the current construction, which is without issues. Similar design of the new supports will ease the permitting process.

The results of a CPT are provided (in Dutch). Besides, on top of the sandy bed the river bed is known for rocks and stones, hence it may require some trial and error to find a spot to drill the new supports.

If there are more questions, please ask them.

**Fase:**

Inschrijffase

**Inschrijfronde:**

Inschrijfronde 1

**Vragenronde:**

Vragenronde 1

**Beantwoord op:**

4 mrt 2026

**Percelen:**

P1 ADM

**Ref.nr.**

4

**Onderwerp:**

Tender Specification Requirements, ADM.301, ADM.310

**Vraag:**

To ensure that the measuring site Sint Pieter is suitable for ADM in principle, we would like to ask if there were any problems with the existing system, especially in summer months or during floods.

**Antwoord:**

At lower discharges, the ADM signal is regularly blocked by passing vessels. The trailing air bubbles may hinder the signal transmission for up to 20 minutes. Possible points of attention are an increase of recreational boating during summer months and activity of an upstream hydroelectric powerplant at lower discharges.

During floods, the main issue is an increased suspended sediment concentration, sometimes blocking the acoustic signal. Also floating debris that extends down into the water column might cause problems during (extreme) floods. However, these conditions are beyond the limits that we foresee for the ADM on this location.

**Fase:**

Inschrijffase

**Inschrijfronde:**

Inschrijfronde 1

**Vragenronde:**

Vragenronde 1

**Beantwoord op:**

5 mrt 2026

**Percelen:**

P1 ADM

**Ref.nr.**

6

**Onderwerp:**

ADM.044 and ADM.240

**Vraag:**

In TSR the two requirements ADM.044 and ADM.240 are about the same data messages; which will prevail?

**Antwoord:**

ADM.044 and ADM.240 are complementary. ADM.240 is more explicit.

**Fase:**

Inschrijffase

**Inschrijfronde:**

Inschrijfronde 1

**Vragenronde:**

Vragenronde 1

**Beantwoord op:**

4 mrt 2026

**Percelen:**

P1 ADM

**Ref.nr.**

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**Onderwerp:**

Discharge data message

**Vraag:**

With which frequency will the water level be provided, and has the discharge data message be sent?

**Antwoord:**

Both messages are at an interval of 10s. This a different frequency than stated in TSR ADM.230 and ADM.240.

**Fase:**

Inschrijffase

**Inschrijfronde:**

Inschrijfronde 1

**Vragenronde:**

Vragenronde 1

**Beantwoord op:**

4 mrt 2026

**Percelen:**

P1 ADM