

Aanbesteding: Influence of controlled brine bleed-off (CBBO) on cavern and cavern cluster stability
Aanbestedende Dienst: Ministerie van Economische Zaken en Klimaat
Referentie: 202310082

Toelichting:

Ref.nr. **Onderwerp:**
1 Tender document 202310082 – Section 2

Vraag:
Does the study focus on specific cases (e.g., the cavern cluster of Nedmag), or will it consist of developing a general modeling approach?

Antwoord:
The study needs to focus on a general modeling approach.

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2 Tender document 202310082 – Section 2

Vraag:
The characteristics of the salt rock(s) object of the study will impact the modeling proposal for the current tender. Can you provide the main characteristics of the salt rock to be studied in terms of chemical compositions and rheological behavior? What kind of evidence on the salt behavior for the set of caverns to analyze will be available?

Antwoord:
This work will focus on developing a general modeling approach. However, detailed rheological and chemical studies for a few (relevant) locations in the Netherlands are available and can be shared (KEM-17/ KEM-28/CCC).

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3 Tender document 202310082 – section 5.4

Vraag:

How many points are assigned to the price criterion? Table 5.1 mentions "100 points" for the price criterion. In section 5.4 of the tender document, 150 points are mentioned in parentheses and in one of the equations.

Antwoord:

The mentioned 150 points in section 5.4 is not correct. The correct ammount is 100 points.

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Onderwerp:
Tender document 202310082 – Section 2

Vraag:

Can you provide the full reference list for the papers/reports cited in the tender document?

Antwoord:

Yes we can, Annex 'Research Question KEM-45 - Risks of brine bleed-off salt caverns- final accepted version' is uploaded on TenderNed (see 'Documents').

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Vraag:

Document states: “
A detailed model description (detailed enough so others could reproduce it)”
(deliverable Cb).

Question: what is expected? Is it a) a description of the model equations, and parameters that define geometry, loading scenarios and material parameters; or b) all under a + source code of numerical model(s)?

Antwoord:

The expected deliverable is what is given under a). We do want to have the option to access the source code of the models if we want to conduct further research or have a review of the model done.

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Vraag:
Document states: “Results that are compared with benchmark data (micro-seismic data, subsidence curves, etc.)”(deliverable Fb).

Question: How will Contractor obtain these data, and in what format? Digital? Hardcopy? Will the data be anonymized?

Antwoord:
Through SodM, or through publicly available sources. Data anonymity will need to be discussed for any data not publicly available.

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Onderwerp: page 8

Vraag:
We assume that Article 19 (Advance Payment) of the ARVODI-2018 is not applicable (credit guarantee not required in case of public body). Can you confirm please ?

Antwoord:
The Contracting Authority can confirm this.

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Onderwerp:
page 9

Vraag:

Article 21 paragraph 3 sub d (Exception Limitation of liability in relation to Processor Agreement) does not apply. As a processor's agreement is not part of the assignment, this article does not apply either. Can you confirm please?

Antwoord:

Article 21 paragraph 3 sub d ARVODI 2018 is only applicable if an data processor agreement is needed. As long as this is not the case (judgement now is that this is not the case), article 21 paragraph sub d ARVODI 2018 does not apply.

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Vraag:

Article 21.4 (Liability matters of the Client) is not applicable in this case. Considering the content of the assignment and the scope of the tender, which is a research and consultancy assignment does not involve any potential damage to the Client's business. Can you confirm please?

Antwoord:

The Contracting authority can confirm this as long as (judgement now is that this is not the case) there will be no use of property of Contracting Authority as mentioned in article 7 ARVODI 2018.

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Onderwerp:
clause 2.1

Vraag:

Document states:

“Nobian is currently (2023) undertaking a number of ‘controlled outflow tests’ 5 , in line with recom-mendations in the KEM-17 6 report. Results of

these tests might also be incorporated in the proposed study”.

Question: How are we going to obtain these results? From SodM ?

Antwoord:

Yes, SodM can share these. Before the results can be published (anonymized or otherwise), the Contracting Authority will check with the operator what is possible.

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Onderwerp:
clause 2.1

Vraag:

Document states:

“The main question of this research is:

What happens to the cavern stability and its integrity in the case of CBBO?”

This research question and the sub-questions are formulated in a way that suggests that the focus is on the stability and integrity of a single cavern in case of CBBO. However, not far above this section, is stated:

“Basic research questions for CBBO are: how will the stress state change around the cavern or between multiple caverns and what is the potential effect of a changing stress state on cavern integrity (tightness) and stability?”

Question: what is the expectation regarding the scenarios to be defined and investigated through modeling? Should these focus on a single cavern only, or also include multi-cavern scenarios incl. possibly different operational regimes/uses?

Antwoord:

Focus of this research is a single cavern. Additional research on multi-cavern systems are considered important. This will be appreciated as added value when assessing the quotation. And if valuable and relevant, will lead to a higher score on the award criteria relating to Plan of approach.

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Vraag:

We assume that Article 19 (Advance Payment) of the ARVODI-2018 is not applicable (credit guarantee not required in case of public body). Can you confirm please ?

Antwoord:

See answer question 7.

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Vraag:

Article 21 paragraph 3 sub d (Exception Limitation of liability in relation to Processor Agreement) does not apply. As a processor's agreement is not part of the assignment, this article does not apply either. Can you confirm please?

Antwoord:

See answer question 8.

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Onderwerp:

Article 24.1 Intellectual property rights

Vraag:

We propose to amend the text of Article 24.1 by the following:
“Unless agreed otherwise, all copyrights that may be exercised in relation to the results of the Services performed by the Contractor accrue to the Contractor, irrespective of where and when they may be exercised. In respect of these copyrights, the Contractor grants the Client, free of charge, a non-exclusive and non-cancellable right of use for an indefinite period of time for the purposes intended by the Agreement.”

Considering the actual outcomes of this assignment, the right of use mentioned here is expected to be sufficient for that purpose. Can you

confirm please?

Antwoord:

Not agreed. The Contracting Authority has an interest in the undisturbed use of the rights arising from the execution of the assignment.

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Onderwerp:

Article 24.2 Intellectual property rights

Vraag:

We propose to amend the text of Article 24.2 by the following:

'All database rights that can be exercised - wherever and whenever - in respect of the results of the Services performed are vested in the Contractor. In respect of these database rights, the Contractor grants the Client, free of charge, a non-exclusive and non-cancellable right of use for an indefinite period of time for the purposes intended by the Agreement.

Considering the actual outcomes of this assignment, the right of use mentioned here is expected to be sufficient for that purpose. Can you confirm please?

Antwoord:

Not agreed. The Contracting Authority has an interest in the undisturbed use of the rights arising from the execution of the assignment.

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Onderwerp:

Article 24.3 Intellectual property rights

Vraag:

We propose to modify the text of Article 24.3 by the following:

“Insofar as the results of the Services performed are (partly) created by using existing intellectual property rights that do not belong to Principal. In so far as required for the use of the results. Contractor grants Principal a non-

exclusive and non-cancellable right of use for an indefinite period of time against a market-conform related fee. In that case, Contractor guarantees to be entitled to grant the aforementioned right of use”

Can you confirm please?

Antwoord:

Not agreed with the proposal. The Contracting Authority does not consider this desirable or necessary in view of the compensation that the Contractor receives as a result of this assignment.

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Onderwerp:
Article 13.5 Confidentiality

Vraag:

We trust that no penalties will be applicable in this case. Can you confirm please?

Antwoord:

No penalty clauses apply to this assignment.

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