
TENDER DOCUMENT

16/554

Peer review of the methods and estimates of the NPD's assessment of undiscovered petroleum resources

Open tendering competition cf. the Public Procurement Act and the Regulations relating to public procurement part I and II

Submission deadline: 31 August 2016

12:00 noon local time Norway



**NORWEGIAN PETROLEUM
DIRECTORATE**

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2 General description

2.1 About the Norwegian Petroleum Directorate

The Norwegian Petroleum Directorate (NPD) is a governmental specialist directorate and administrative body established in 1972.

The paramount objective of the NPD is to contribute to creating the greatest possible values for society from the oil and gas activities by means of prudent resource management based on safety, emergency preparedness and safeguarding of the external environment.

For more information about NPD, visit our website www.npd.no.

2.2 Scope of procurement

Peer review of NPD's method of estimating undiscovered petroleum resources, in order to improve the analysis and accuracy of predictions. The budgetary ceiling for the Consultancy is NOK 600.000 inc. any applicable foreign VAT, but ex. Norwegian VAT. The budget includes all travel related expenses and reporting.

The period of the Consultancy is from the award of assignment to the end of 2016. The time frame can be extended if necessary to complete the project.

Please see annex 1 "Scope of Work/Terms of reference" for further details.

2.3 Partial offer

There is no opportunity to submit a partial tender.

2.4 Public announcement

Tender competition is announced in the Merccell-database and DOFFIN-database.

3 Competition rules

3.1 Procedure

Open tendering competition, cf. the Norwegian Public Procurement Act of 16 July 1999 No. 69 as amended, see also the Regulations relating to public procurement, laid down by Royal Decree on 7 April 2006 No 402. **This type of procedure does not allow for contract negotiations.** Only bidders that fulfil the qualification requirements will have their tenders evaluated. Bidders are not allowed to change the tender after the submission deadline.

3.2 Confidentiality

The employer and its employees are required to prevent others from gaining access to or knowledge of information regarding technical devices and procedures or operations and business relationships that for competitive reasons can be important to keep secret, cf. Regulations regarding public procurement § 3-6, cf. § 13 Public Administration Act.

3.3 Reservations and non-conformity

If the bidder has reservations regarding parts of the tender documentation or required specifications, it shall be clearly stated in the bid. Any reservations must be specified, including consequences for performance, prices or other conditions.

The same applies to non-conformity. Reservations and non-conformities shall be stated precisely and unambiguously. They shall be stated in the bid letter in such a manner that NPD can evaluate them without it being necessary to contact the Supplier, cf. Section 11-3 of the Public Procurement Act. Substantial reservations, and reservations or non-conformities that can result in uncertainty regarding evaluation of the bid compared to other bids, will result in the bid being disallowed, cf. Section 11-11(1) of The Public Procurement Act.

3.4 Abidance

The bidder must abide by his tender until three (3) months after the submission deadline.

3.5 Updating the tender documents

Any corrections, additions or changes to the tender documents, including questions and answers in anonymous form, will be communicated to all suppliers who have expressed interest by way of Mercell.



In a revision of the competition, it will show as a new version of the competition. Regarding additional information, it will be presented in the “Additional Information” tab in the Mercell portal. Suppliers who have already registered their interest will also receive a message via an e-mail informing that additional information about the competition has been given, or that there has been a revision of the competition. Click on the link in the e-mail to access the competition.

3.6 Additional information

If the bidder finds that the tender documents do not provide sufficient guidance, he may send, in writing, a request for additional information from NPD.

If errors are detected in the tender documents, it is requested that this is conveyed in writing to NPD.

3.7 Communication during the tender process

All communication during the process shall be routed via the Mercell-portal, www.mercell.no. This is to assure that all communication will be logged. When you are logged on to the competition, chose the flag marked “Communication”, click on the symbol  “New message”. Enter the information and then click . NPD will then receive your message. If the question regards all bidders, NPD will answer the inquiry anonymously by giving the answer as additional information. Additional information is available under the flag “Enquiry”, then the flag “Additional information”. You will also receive an e-mail with a link to the additional information.

Requests received later than five working days prior to the deadline for the offer will not be answered.

4 Qualification requirements

4.1 General requirements

Requirement	Documents required
<p>Circumstances regarding the bidder's tax remittances shall be in order (<i>this only applies to Norwegian Companies</i>).</p>	<ul style="list-style-type: none"> • Tax certificate • VAT certificate <p>More information: http://www.skatteetaten.no/no/Om-skatteetaten/Kontakt-oss/E-post/Send-ny-epost/Annet/Bestill-attester-eller-utskrifter/Attest-for-skatt-og-merverdiavgift/.</p>

4.2 Company registration

Requirement	Documents required
<p>The bidder shall be registered in the "The Register of Business Enterprises" in Brønnøysund or registration in a trade register or the like as set out in the laws of the country of registration of the bidder.</p>	<ul style="list-style-type: none"> • Copy of Company Registration Certificate or similar.

5 Award criteria

Only tenders that is submitted by qualified bidders and that meet the requirements and specifications given in the tender document will be considered.

The NPD will choose the most economically advantageous tender, based on the following criteria:

Criteria	Weight	Documents required
Lump sum within the given budget, cf. section 2.2 Scope of Procurement	20	Please specify a lump sum and the number of consultancy hours included.
The Consultants qualifications, skills and relevant experience.	40	CVs, publications and reference to reports.
Proposed work process, work plan, understanding of the assignment and the availability of the consultants	40	Account for the proposed solution and methodology to achieve the objectives/deliverables of the assignments, including a work plan/process and time line with an outline of the key achievements to be included. Account for the availability of the proposed consultants.

6 Submission and disposition of tender

6.1 Submission of tender

All tenders shall be submitted electronically via the Mercell portal, www.mercell.no by the tender deadline. Tenders delivered after the deadline will not be accepted. (The system does not permit tenders to be sent electronically via Mercell after the tender deadline.)

If you are not a Mercell customer, or you have questions regarding how the application functions, e.g. how to submit a tender, please contact Mercell Support at tel +47 21 01 88 60, or by e-mail to support@mercell.com. It is recommended to submit the tender in adequate time before the deadline. A minimum of 1 hour before the deadline is suggested.

If NPD should provide additional information that results in you wanting to change your tender before the deadline, you can access your offer, open it, make the necessary changes and send it again right up to the deadline. The last submitted tender will be regarded as the final one.

The tender requires an electronic signature when it is submitted. When sending the tender electronically, an electronic signature will be requested to confirm that you are the actual bidder who has submitted the tender. An electronic signature can be obtained at www.commfides.com, www.buypass.no or www.bankid.no.

We would like to remind you that it can take some days to acquire an electronic signature, and therefore recommend that this process is initiated as soon as possible.

6.2 Disposition of tender

The offer shall be designed in accordance with the disposition resulting from this tender. The supplier is responsible that all questions, requirements and points of clarification are answered/elucidated and documented in the tender.

The offer shall follow this outline:

File name	Contents
Qualification requirements	Documents are to be enclosed in the step Kvalifikasjonskrav/Qualification requirements when you submit the tender in Merccell.
Q01 - Tax certificate	Cf. chapter 5.1 in this tender document
Q02 - VAT certificate	Cf. chapter 5.1 in this tender document
Q03 - Company registration certificate	Cf. chapter 5.2 in this tender document
Documents required	Documents are to be enclosed under the tab Dokumenter/Documents when you submit the tender in Merccell.
DOC01 – Cover page	Signed by a responsible/liable representative for the bidder. Confirmation that NPD's terms and conditions in this tender document are accepted. Reservations with reference to specific clauses must be quoted with alternative proposals, as this type of procedure does not allow negotiations. Name and contact information of the bidder.
DOC02 - Budget	Cf. chapter 5 in this tender document
DOC03 - The qualifications, skills and relevant experience.	Cf. chapter 5 in this tender document
DOC04 - Work process, work plan, understanding of the assignment and the availability of the consultants	Cf. chapter 5 in this tender document

7 List of annexes

- Annex 1 – Scope of work/ Terms of Reference (incorporated in this document)
- Annex 2 – Contract terms

Annex 1: Scope of Work/Terms of reference

1 Background

The Norwegian Petroleum Directorate (NPD) is in charge of estimating the undiscovered petroleum resource potential on the Norwegian Continental Shelf (NCS). New estimates for the entire NCS are normally carried out and published every second year. Our method is based on play analysis and we use the GeoX software to estimate the resources. NPD has defined and assessed 74 plays, where of 44 confirmed and 30 unconfirmed. A play is confirmed when a technical discovery is made, independent of the size of the discovery. The input to our analysis is a huge dataset containing detailed geological information from 2000 prospects and leads, data and test results from 1700 exploration wells and reservoir data from almost 100 producing fields.

The plays are briefly described at <http://www.npd.no/en/Topics/Geology/Geological-plays>

The method and updated estimates are described in the recently published Resource Report 2016 in Chapter 3 <http://www.npd.no/en/Publications/Resource-Reports/2016/Chapter-3>

2 Objective and scope of work for the peer-review

NPD has recently updated the estimates for the NCS, and want to have an independent peer review of our method and results. We request an in-depth review of a few selected, representative plays and a review of the methodology we use for aggregation of the play analysis (aggregation is carried out within each of three main regions – North Sea, Norwegian Sea and Barents Sea, and for the total NCS). The review has to be conducted together with the NPD staff currently in charge of play analysis and will take place during the autumn 2016. We suggest two work sessions of one week each.

The purpose of the peer review is:

- To review all statistical aspects of each of the selected play analysis, including how different types of data and information has been utilized in the analysis with regard to input values, uncertainty ranges and distributions, geological risk assessment, correlations between individual parameters and correlation across features, use of resource limits.
- To review the dependencies between plays and the aggregation of plays within each of the three main regions, as well as dependencies between regions and aggregation for the complete Norwegian Continental Shelf
- Challenge the accuracy of the NPD method and how well the statistical variance of the estimate (P5 and P95) of plays and aggregates is defined.
- Propose areas of improvements to the NPD method.

3 Implementation of the peer review – proposed procedure

The assignment will be conducted during autumn of 2016. We invite the bidder to propose the sequence and content of activities, but do suggest two work sessions of about one week each. Such work sessions will take place at NPD in Stavanger, where the consultant(s) will interact with the NPD play assessment team. The aim is to arrange the first work session during September 2016.

We will introduce the NPD methodology; the relevant plays and the data used, as well as give in-depth presentation of data related to each selected play. The review of the NPD play analysis must include discussions and constructive feedback on our methodology, use of data and plausibility checks. Identified issues to follow-up should be given priorities during the first work session, and should be followed up in the following dialog.

The second session shall preferably take place 3-6 weeks after the first, and will continue the previous reviews, as well as follow-up new and upcoming identified issues.

4 Qualification requirements

The peer-review should be done by a consultant who has not been involved as an adviser/consultant in the NPD play assessment process and shall have the following qualifications and skills:

- In depth statistical knowledge
- Previous work on resource assessments using statistical play analysis approach
- Extensive GeoX knowledge is a preference
- Good oral and written English communication skills

5 Reporting

The Consultant will prepare and submit a Report presenting the findings of the peer review, including general and specific recommendations in English, and shall be submitted to NPD within four weeks after the last work session, and no later than 15th December 2016. A draft must be submitted to NPD within two weeks after the last joint work session. A final meeting, where the Consultant presents the findings and recommendations, shall take place as a 1-2 hour videoconference when the final report has been submitted to NPD, and no later than 20th December 2016.

The Report is not intended for public disclosure. NPD will be the sole owner of the final report and its content, and will hold the right to share and publish it. The Consultant will not have the right to publish the report, nor any of its content, without NPD's permission in writing.

6 Financial ceiling and tender

The budgetary ceiling for the Consultancy is NOK 600.000 inc. any applicable foreign VAT, but ex. Norwegian VAT. The budget includes all travel related expenses and reporting.