TO: ALL BIDDERS

FROM: Veronica Golini
       OiC, Procurement Section

DATE: 22 March 2022

REF.: RFP No. 2022-0017/THORVALDSDOTTIR

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EMAIL: procurement@cbtto.org

SUBJECT: Clarification No.1 to RFP No. 2022-0017/THORVALDSDOTTIR
“Nodal Acquisition System for Active Seismic Surveys”.

Dear Bidders,

Please find attached the response to queries raised by a potential bidder in respect to RFP No. 2022-0017/THORVALDSDOTTIR "Nodal Acquisition System for Active Seismic Surveys".

Please take the response into account in the preparation and submission of your Proposal.

We are looking forward to receiving your Proposal prior to the closing date on 08 April 2022, 17:00h Vienna local time.

Kind regards

Veronica Golini
OiC, Procurement Section
<table>
<thead>
<tr>
<th>Questions from Bidders</th>
<th>Answers from the Commission</th>
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<tbody>
<tr>
<td><strong>Question 1</strong></td>
<td><strong>Answer 1</strong></td>
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<td>Is there a mandatory delivery date? If so, please confirm the delivery date.</td>
<td>The timeframe requirements have been described in section 6 TIMEFRAME REQUIREMENTS in ANNEX B, Terms of Reference. The delivery is requested as soon as possible after signing the contract, and at the latest by August 15, 2022. In case of a delay with the delivery of the actual System, the Supplier is asked to lend an equivalent system to the Commission for use during a Field Test in September/October 2022 and deliver it by August 15, 2022. In this case the actual System should be delivered by November 2022.</td>
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<td><strong>Question 2</strong></td>
<td><strong>Answer 2</strong></td>
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<td>Do the nodes need to be connected and provide real time information?</td>
<td>The technical specifications have been described in Section 2 PROVISION OF NODAL ACQUISITION SYSTEM FOR ACTIVE SEISMIC SURVEYS in ANNEX B, Terms of Reference. Quality Control (QC) data (system data incl. GPS, battery and memory status and sensor operations) need to be harvestable wirelessly during the field operation of the instruments. This does not need to happen in a centralized real-time manner with the nodes continuously connected to a monitoring system. The QC data need to be available on demand in near real-time, in a manner that is efficiently manageable considering the large number of nodes. The offered package should include all the necessary accessories to operate the System, including the QC capabilities.</td>
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<td><strong>Question 3</strong></td>
<td><strong>Answer 3</strong></td>
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<td>Please clarify whether the solicitation is for the seismic stations delivery only, or whether the Commission also requires software for processing.</td>
<td>All the technical specifications have been described in Section 2 PROVISION OF NODAL ACQUISITION SYSTEM FOR ACTIVE SEISMIC SURVEYS in ANNEX B, Terms of Reference. The software specifications have been specifically outlined in Section 2.2.3 The offered System needs to include software for programming, testing, QC and data download of the devices, and for preparation of survey data products,</td>
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including extraction of active-seismic shots based on time-stamps of the seismic sources and survey geometry. Required data output formats are SEG-D and SEG-Y.

The software needs to also be readily applicable or adjustable for specific OSI data flow needs, described in Section 2.2.3 in ANNEX B, Terms of Reference.

The wireless QC data transfer needs to allow for password protection and data encryption or be implementable.