

INVITATION TO TENDER

Multibeam

(Restricted procedure)

1. Introduction

The Geological Survey of Denmark and Greenland (GEUS) intends to purchase a complete Multibeam system with acquisition and processing equipment.

Single companies or a group of companies joint in a bidding group are invited to apply for qualification to participate in a tender for a multibeam system.

Application shall be submitted in a sealed envelope, (1 original and 2 copies), prior to 12.00 hrs GMT-1, on 12.01.2005.

2. The multibeam Echosounder equipment

2.1 Water depths.

The multibeam echosounder will mostly be used in the Danish seawaters, where the depth is less than a hundred meter in most part of the area and the main area interest is in shallow waters with depths up to 30 meters.

2.2 What the multibeam echosounder shall be used for?

The multibeam echosounder will be used in connection with habitat and seabed mapping and in bathymetric surveys. These mapping and survey projects include multibeam echosounder side-scan data.

2.3 Multibeam Echosounder specifications:

The Multibeam Echosounder must be portable. The equipment is mainly intended to use for bathymetric surveys and seabed classification and it shall fulfil IHO standards for Bathymetry and Feature detection.

Swath performance is preferred to be up to 10 times depth.

Operator software is preferred to run in a Windows environment.

Seabed image (side scan) shall be included and It shall be applicable for bracket mounting of transducers, motion sensor and surface sound velocity sensor.

2.4 Data Acquisition and Processing Soft- and Hardware specifications:

The Software must work together with the Multibeam Echosounder. It shall at least be able to

produce charts, 3D displays, combined bathymetry and acoustic imagery, seabed classification.

The Hardware must be a suitable platform for the Software.

2.5 Motion Sensor specifications

The Motion Sensor performance shall for roll and pitch be 0.02 RMS or better.

Heave motion output of dynamic accuracy must be around 5 cm, 5% or better.

The Motion Sensor must have an output protocol to match the Multibeam Echosounder.

The motion sensor must be waterproof, as it shall be mounted together with the transducers.

2.6 Profiling sound Velocity & Pressure Sensor specifications:

It must be applicable for the Multibeam Echosounder and have a cable length at least 50m.

2.7 Surface Sound Velocity Sensor specifications:

It must be applicable for the Multibeam Echosounder and the cable length must be at least 15m.

2.8 Compass specifications

Must be applicable for the Multibeam Echosounder and the accuracy must be better than 0.3 RMS.

3. Minimum information requirements

3.1 Qualifications

The service provider shall fulfil the following outlines:

- The service provider shall have proven competence in producing and selling Multibeam, echosounder or similar equipment.

The documentation to be submitted shall include:

- Organisation and resources;
- Declaration that the company does not have unpaid, due debts towards the Danish Government or national governments in the country in which the company is situated.
- GEUS will exclude from the short-listing procedures any company who has unfulfilled obligations relating to the payment of taxes in excess of DKK 100,000. Reference is made to the Danish act on restrictions on debtors'

eligibility to participate in public tender procedures (Act No. 1093 of 21 December 1984). The prospective applicant shall provide documentary evidence of his fulfilment of this eligibility criterion.

3.2 Language, format, number of copies

The application shall be submitted in English or in Danish in a sealed envelope as outlined.

3.3 Technical capacity

The applicant must have sufficient technical qualifications (competence, capacity etc.) to fulfil a contract's obligations.

Details of the company's total manpower.

List of the principal deliveries effected in the previous three years including the recipients.

Details of the tools, plant or technical equipment available, relevant for a contract.

Details of the undertaking's measures for quality assurance.

Details on maintenance and repair services must be described.

4. Contract

A draft contract for the final agreement is included.

5. Deadline

5.1 Deadline for supplementary information/questions.

Any additional questions, request for supplementary information regarding the Tender Documents, and any reservations against the terms of agreement shall be addressed to the Geological Survey of Denmark and Greenland (GEUS)

Oester Voldgade 10

DK-1350 Copenhagen K,

Denmark

ATT.: Steen Lomholt

By mail or by fax no. + 45 38 14 20 50 - being marked "URGENT - GEUS j.nr 0572-009" or email slo@geus.dk and received by GEUS prior to 12.00 hrs GMT-1 on 18.12.2004.

No later than 22.12.2004 GEUS will answer the requests/questions in writing. Requests/questions and answers will be forwarded to all tenders in an anonymous form together with any necessary clarifications or amendments to the Tender Documents caused by the requests/questions. Within the same time limit GEUS will decide to what extent any submitted reservations against the terms of agreement etc. can be accepted as general amendments to the Tender Documents.

It is assumed that adjustments to the Tender Documents based on the questions and opinions of the tenders will not be to such an extent that it implies a new tender announcement in the EU.

5.2 Deadline for receipt of tenders

The tender shall be sent by registered mail or courier in a sealed envelope (1 original and 2 copies) and shall be received by the Geological Survey of Denmark and Greenland prior to 12.00 hrs GMT-1 on 12.01.2005.

Tenders received later than the above-mentioned deadline will be rejected and

returned unopened.

5.3 Duration of tender

Tenders may lapse after: 3 months

6. Tender submission

The tender shall be marked: "Confidential Multibeam", GEUS J.nr. 0572-009" and addressed to:

Geological Survey of Denmark and Greenland (GEUS)

Oester Voldgade 10

DK-1350 Copenhagen K,

Denmark

Attn.: Steen Lomholt

Tenders shall be submitted in 3 (three) copies. The language shall be English or Danish.

Attention is drawn to the fact that mail might be opened in the administration of GEUS, if the envelope is not marked as stated above. Tenders submitted by telex, fax or e-mail are not accepted.

7. Opening of tenders

Tenders will be opened in private and will take place immediately after time limit.

8. Tender evaluation

8.1 Criteria

The criteria for evaluating applicants concern the qualifications of the tendered.

At least 4.0 points should be obtained in order to qualify for the second part of the tender procedure, the invitation to bid on the Multibeam Equipment.

Criteria I Multibeam	Weight %
Experience and proven competence in producing and selling Multibeam echosounder	40
Proven competence in servicing Multibeam echosounder	30
Organisation, management and resources including specialists	20
Qualifications of personnel	10

8.3 Points

Points are given according to the scale below:

Best possible 8 points

Very satisfactory 6 points

Satisfactory 4 points

Unsatisfactory 2 points

Evaluation not possible 0 point

Odd number points can be given.

Points = 8 x (("lowest bid") divided (by actual bid))

Example:

“Lowest bid”: 20

Actual bid: 22

Points = $8 \times (20:22) = 7,27$ points

GEUS will be free to accept offers on only one part of the service and to reject all offers.

9. Award criteria

All companies with points more than 4 will be accepted for a final bid. The final contract will, subject to GEUS' evaluation and decision, be awarded to the economically most advantageous tender representing value for money.

10. Cancellation

GEUS reserves the right to cancel the tender.

10.1 Changes before deadline

GEUS will be free to change the offer in the period for tender and possibility to extend the tender period.

11. Expenditure

Participation in the tender is at the company's own risk and expense. GEUS accepts no liability whatsoever arising from participation in this tender.

12. Supplementary material:

Draft Contract for final agreement.