

Bygningsfonden 'Den Blå Planet' is to build a new Danmarks Akvarium in Tårnby Municipality, Denmark.



Prequalification

Prequalification – limited tender for advance tendering for the structural steel contract and the facade/roof contract.

Description

Den Blå Planet is the result of an international architectural competition launched by the private building foundation, Bygningsfonden Den Blå Planet, to design a new aquarium for Denmark - Danmarks Akvarium. The competition was won in June 2008 by the 3XN architects in conjunction with Moe & Brødsgaard as consulting engineers. In addition to exhibitions/aquaria, a restaurant, teaching areas, and administration areas the building will house sizeable plant/control areas.

Den Blå Planet, with three storeys – a basement level, a ground floor and a first floor as well as mezzanine levels – has a total gross area of approx. 9,700 m², of which the basement area accounts for approx. 2,300 m². The ground floor comprises a central foyer, which is the convergence point for 5 curvilinear wings.

The main load-bearing structure of the building above basement level is comprised primarily of steel frames and lateral steel purlins in steel, including cross-bracing and a large steel ring beam girding the foyer. This framework provides the substrate for a lightweight roof and facade structure.

The facade and roof have the appearance of an uninterrupted sweeping surface. They comprise, in some parts, enclosed sections constructed with a light roof clad in natural anodised aluminium shingles and, in others, large aluminium framed glazed sections with external solar screening. A Foil-Tec surface forms part of the roof of one of the wings.

1. Client

Bygningsfonden Den Blå Planet
Frederiksholms Kanal 30
DK-1220 Copenhagen K

2. **Client Advisor**

PLH arkitekter A/S with COWI as subconsultants
Dampfærgevej 10
DK-2100 Copenhagen Ø

3. **Tender procedure**

Limited tender

A design-and-build contract has already been awarded to the aquarium plant specialist and the following main contracts will be tendered at a later stage in the process:

Main Contract A: Earthworks and civil engineering works, shell & core works and site establishment.

Main Contract B: Plant & engineering works

Main Contract E: Joinery, carpentry and painting works

Main Contract F: Exhibition

4. **Nature and scope of work**

Advance tendering for the structural steel contract and facade/roof contract.

5. **Division of work**

Tenders may only be submitted for the full structural steel contract and/or the full facade/roof contract. It is permissible to submit a tender for each contract or a single tender for both contracts.

6. **Award criteria**

The criterion applied to awarding work will be “the economically most advantageous tender/best bid” principle.

7. **Selection criteria**

A maximum of 5-7 companies per contract will be pre-qualified to submit bids for each contract. The following criteria will apply to the selection of the restricted number of candidates:

1) The financial capacity of the applicant and any subcontractors with specific reference to their ability to undertake the proposed works.

2) The ability of the applicant and any subcontractors to complete the proposed works, including technical competence and experience of similar projects.

8. **Applications for participation in the tendering process**

Submit applications in Danish or English and enclose the following details:

- a. Indicate the contract for which the company is applying for prequalification.
- b. Full company name, address, telephone and fax numbers and e-mail address.
- c. The contractor's organisation and any subcontractors.
- d. General information about the firms which will be a party to the contract, including details of the type of company, the ownership and employee figures for the past 3 years.
- e. Statement of the company's equity capital for the last 3 financial years.
- f. Statement of the company's overall turnover, and specifically turnover in connection with similar contracts for the last 3 financial years.
- g. Auditor's report that the accounting figures from the past 3 months do not have significant discrepancies in comparison to the financial accounts provided.
- h. Recent relevant references from similar projects including details of the use of 3D CAD tools in the course of the performance of similar works.
- i. Details of the contractor's ICT programmes, production facilities and human resources.
- j. Details of the quality assurance system, health and safety system and environmental protection.
- k. Key figures or equivalent benchmark documentation in support of the company's qualifications.

Only concise details are required, but the Client reserves the right to seek additional information and documentation.

9. **Execution date**

Construction is scheduled to start in the autumn of 2010, with work on the structural steel contract and the facade/roof contract expected to be carried out in the autumn of 2011. Tenders are being invited now in order to give the contractors time to prepare and undertake in-depth work on specified detailed tasks, including the construction of a mock-up.

10. **Latest date for submission of application for participation**

Applications for participation are to be sent to Bygningsfonden Den Blå Planet, and received no later than **18th of December 2009 at 12 o'clock noon, Danish time.**

11. **Address to which applications for participation are to be sent**

Bygningsfonden Den Blå Planet, see above.

12. **Issue date of tender documents**

Primo January 2010.

13. **Tender deadline**

The deadline for submission of tenders is ultimo January 2010 and will be clearly stated in the tender documents.

14. **Remuneration**

No costs incurred in the preparation of applications and tenders will be reimbursed.

15. **Other information**

The official languages of the competition are Danish and English. In the event of any doubt, the Danish version shall have legal standing.

Prequalification material must be submitted in triplicate.

Please direct any enquiries to Sune From, Project Director, Bygningsfonden Den Blå Planet,

E-mail: SUF@COWI.dk

Further information on the building is available on www.denblaaplanet.dk