

REQUEST FOR QUOTATION (RFQ)

Date: 04 April 2013

Dear Sir/Madam,

Subject: Request for Quotation for services «Monitoring of water quality and benthos on Selenga Delta»**Project:** 00078317, Integrated Natural Resource Management in the Baikal Basin Transboundary Ecosystem**Case reference:** RFQ/EMO/2013-036 (IWC-00078317)

1. The United Nations Office for Project Services (hereinafter “UNOPS”) is pleased to invite you to submit a quotation for supply of the services described in Annex I to this Request for Quotation.
2. We would appreciate receiving your quotation on or before **15 April 2013 10:00 A.M. Irkutsk time** via e-mail DmitriP@unops.org (it must not exceed 8MB) or fax **+73012 338030** to the attention of **Dmitry Popov**. Please specify above project and reference number on your quotation.
3. Any requests for clarification should be referred to:
Contact Person: Dmitry Popov
Office: UNOPS
Address: Room: 13,
8, Sakhyanovoy Str.,
670047, Buryatia, The Russian Federation

Telephone: +7 3012 415759
Fax +7 3012 338030
E-Mail: DmitriP@unops.org
4. Your quotation shall include the following:
 - Brief approach and methodology as well as CV(s) of proposed staff/personnel in response to the Terms of Reference as per Annex I.
 - Fixed overall quotation in a single currency (see Annex II) with the following structure:

Name(s) of consultant(s)
Number of working days and daily fee
Daily subsistence allowance
Number of international travels and cost
Number of local travels and costs
Other costs
TOTAL
 - Completed Previous Experience Form (see Annex III)

5. UNOPS evaluates the quotations based on best value, i.e. best quality and cost-effectiveness of the proposed offers. The following aspects will be considered for the evaluation:
 - (a) Suitability of the approach and methodology including firm's capacity to undertake the services
 - (b) Qualifications and suitability of the staff/personnel proposed for the assignment including their previous experience with same type of assignment
 - (c) Cost-effectiveness of price quotation
6. A contract may be awarded to the bidder having submitted the quotation representing the best value for UNOPS. However, UNOPS reserves the right to accept or reject any quotation, and to cancel the process and reject all quotations, at any time prior to the award of contract, without thereby incurring any liability to the Bidders or any obligation to inform the Bidders of the grounds for such action.
7. UNOPS reserves the right to make multiple arrangements for any item or items.
8. In the event of a Contract the UNOPS General Conditions will apply. The conditions are available at <http://www.unops.org/english/whatweneed/Pages/Guidelinesforsuppliers.aspx> under "UNOPS general conditions of contract": UNOPS Conditions of Services - For contracts of a value of less than USD 50,000. (Annex IV)
9. **Supplier eligibility.** Suppliers shall not be eligible to submit an offer and to be awarded a contract when at the time of bid submission:
 - (a) Suppliers are already suspended by UNOPS, or,
 - (b) Supplier's names are mentioned in the UN 1267 list of Terrorists issued by the Security Council resolution 1267, which establishes a sanctions regime to cover individuals and entities associated with Al-Qaida and/or the Taliban, or,
 - (c) Suppliers are suspended by the UN Procurement Division (UN/PD), or,
 - (d) Suppliers have been declared ineligible by the World Bank.

Furthermore, as a condition of doing business with UNOPS it is necessary that suppliers, their subsidiaries, agents, intermediaries and principals cooperate with the Office of Internal Oversight Services (OIOS) of the United Nations, UNOPS Internal Audit and Investigations Group (IAIG) as well as with other investigations authorized by the Executive Director and with the UNOPS Ethics Officer (during preliminary reviews in line with UNOPS whistle blower policy) as and when required. Such cooperation shall include, but not be limited to, the following: access to all employees, representatives, agents and assignees of the supplier; as well as production of all documents requested, including financial records. Failure to fully cooperate with investigations will be considered sufficient grounds to allow UNOPS to repudiate and terminate the contract, and to debar and remove the supplier from UNOPS's list of registered suppliers.

10. **Information regarding Bid Protest can be found at:**

<http://www.unops.org/english/whatwedo/services/procurement/Pages/Procurementpolicies.aspx>

11. UNOPS strongly encourages all Bidders to subscribe to the Tender Alert Service available on the United Nations Global Market Place (www.ungm.org). This will allow Bidders to be

notified automatically of all UNOPS business opportunities for the products and services for which they have registered. Instructions on how to subscribe to the Tender Alert Service can be found in the UNGM Interactive Guide for Suppliers.

12. UNOPS will effect payment within 30 days after receipt of original payment documentation.

We look forward to receiving your quotation.

Yours sincerely,
Sergey Kudelya
Project Manager
EMO/IWC
UNOPS
Room: 13,
8, Sakhyanovoy Str.,
670047, Buryatia, The Russian Federation
Telephone: +7 3012 415759
Fax +7 3012 338030
E-Mail: SergeyK@unops.org



ANNEX I - TERMS OF REFERENCES

Terms of Reference (TOR) for Local Service Contract

Monitoring of water quality and benthos on Selenga Delta

Location :	Ulan-Ude, The Russian Federation
Application Deadline :	15-Apr-2013
Type of Contract :	Service Contract
Post Level :	Local
Languages Required :	English, Russian
Starting Date :	15-Apr-2013
Duration of Initial Contract :	15-Apr-2013 – 30- November- 2015
Expected Duration of Assignment:	3 years

Background:

The project's objective is to spearhead integrated natural resource management of Baikal Lake Basin and Hövsgöl Lake ensuring ecosystem resilience, reduced water quality threats in the context of sustainable economic development. The project has three primary components: elaborating a strategic policy and planning framework; strengthening institutional capacity for IWRM; and demonstrating water quality and biodiversity mainstreaming practice, including groundwater monitoring and protection.

This project builds upon a solid, decades-old baseline of bilateral cooperation between Russia and Mongolia on the transboundary waters of the Selenga River and by extension the Baikal Basin itself. To date, international support for environmental conservation and management in the Baikal Basin has not been transboundary in orientation; little support has been provided the two countries in strengthening their transboundary cooperation to manage sustainably the globally significant environmental benefits represented by the incomparable Lake Baikal and its transboundary Basin, at the top of which lies Mongolia's aquatic jewel, Lake Hovsgol. In addition to this solid baseline of transboundary cooperation are two rapidly growing economic baselines in mining and tourism, with mining being the biggest and fastest growing economic activity in the Baikal Basin and tourism a smaller but also rapidly growing sector in both the Russian and Mongolian portions of the Baikal Basin. Both of these sectors hold much promise in becoming better stewards of the Baikal Basin's aquatic ecosystems. In the absence of a GEF investment, these barriers are likely to continue hampering an effective transboundary response to the critical threats that are already impacting the ecosystem health and resilience of the Baikal Basin.

Successful implementation of a regional project like "Integrated Natural Resource Management in the Baikal Basin Transboundary Ecosystem", to a large degree depends on effective implementation and ownership of project-inspired work at the national and local levels.

Justification:

Among the objects in the central zone of the Baikal natural territory, firstly requiring the retention, is an ecosystem Selenga which has rich resource potential. It's necessary to perform the environmental assessment of the projected its aquatic and terrestrial ecosystems to use this potential (taking into account its border status). This primarily refers to the Selenga delta, which is one of the largest freshwater deltas in the world. Selenga river carries up to 50% water and more than 50% of chemical runoff, that is a key factor in stability of Lake Baikal ecosystem. Despite the considerable amount of research and studies on basin rivers of Lake Baikal, the Selenga River and delta are the most important objects for study, as Selenga is the main water flow for augmentation the lake volume. There are the seasonal migration routes of valuable commercial species of fish fauna. Wetland ecosystems of the delta are important for nesting birds, including listed in the Red Book. However, the positive role of water, soil and plant ecosystems in the environmental aspects is weakened considerably due to economic activity in the basin, and Selenga River is one of the major sources of pollutants into the lake.

Development objective:

The purpose of this study is to develop a baseline and ongoing monitoring of inflow and outflow values for the Selenga Delta, including flux and balance calculations of substances. This will include establishing or upgrading basic monitoring sites at inflow, midpoint and outflow locations in the Delta. The study will include analyses of the composition of benthic systems and sediment, diversity of aquatic flora and fauna, and presence of alien species. Pollution loading will be monitored and climate variability effects will be studied. The review will also consider conservation measures for the biotopes for migratory birds, waterfowls and near-water species of flora and fauna within the Delta.

Immediate objective(s)

In the course of Output 1.2., basic information concerning water balance, water level fluctuation, water and bottom sediments quality, benthos systems conditions, biodiversity of water flora and fauna has been accumulated. According to sanitary and bacteriological indicators of the Selenga delta channels in summer period, elevated concentrations of [coliform bacillus](#) group of bacteria are frequently observed. And during the low water years there were a high population and biomass of phytoplankton, which together with river waters is carried out into the Baikal Lake. For water quality testing (by chemical, microbiological and hydrobiological indicators) and monitoring processes the following stations have been organized: in the left side of the Delta – Harauz channel (main course of the river) and Levoberezhnaya channel; in the central part – channels of Kolpinnaya and Galutai; in the right side – channel Lobanovsakaya; in the Delta entrance – Murzino station, which characterizes the quality of the Selenga waters flowing into the Delta.

The purpose of this research is monitoring of water quality and condition of benthos communities at the Selenga delta monitoring stations, using quality and condition data of previous researches.

For achieving of this goal the following tasks will be worked out:

1. Second and third quarters of 2013-2015 - monitoring of the water quality using chemical, microbiological and hydrobiological indicators on the six monitoring stations the main Selenga delta channels, which have been chosen according to the 2012 research works.

2. Determination of main physicochemical (pH, dissolved oxygen, biogenic elements, main ions, microelements, heavy metals (Fe, Cu, Zn, Cr, Pb, Cd, Mn) and biological components (bacterial plankton, phytoplankton, benthos), which characterize quality of surface water and bottom sediments.
3. Evaluation of pollutants flow with waters of Selenga into Lake Baikal.
4. Evaluation of benthos organisms' condition using qualitative and quantitative characteristics done on defined monitoring stations.
5. Carrying out of analysis of impact on benthos systems in changeable hydrological characteristics.
6. Preparation of recommendations for possible usage of additional physicochemical and biological indicators in monitoring process in the Selenga delta.

Specific Deliverables:

The work is expected to deliver the following results:

- Seasonal and annual researches of physicochemical and hydrobiological indicators, which characterize water quality and bottom sediments of the Selenga delta, have been conducted.
- Qualitative and quantitative characteristics of benthos community have been seasonally made on the defined sampling stations, and have been annually made by 2014-2015; detailed photoatlas of bottoms and their changeability on those stations has been compiled.
- Generalization of the received results has been made; evaluation of modern ecological condition of the Selenga river ecosystem has been done.
- Recommendations and suggestions for use of the received results in solving of fishery problems, in organizing and conducting of scientific based long-period monitoring in the Selenga delta for purposes of preservation of unique fresh-water ecosystem biodiversity.

Inputs

- The final report on the Selenga Delta water quality issues.
- The final report on the Selenga Delta habitat and the health of the benthic zone.

Expected Outputs, reports and related logistics:

- Detailed calendar plan for activities at the end of first 15 days.
- Technical progress reports (half-yearly).
- Annual reports.
- Final report.

Payment will be made in 6 installments based on the acceptance of the required deliverables by the Project Manager as specified below:

- 16% payment as a first installment upon the submission of first technical progress report - no later 1 June 2013 г.
- 16% remaining payment upon submission of first annual report - no later 1 November 2013 г.
- 16% remaining payment upon the submission of second technical progress report - no later 1 June 2014 г.
- 16% remaining payment upon submission of second annual report - no later 1 November 2014 г.

- 16% remaining payment upon the submission of third technical progress report - no later 1 June 2015 г.
- 20% remaining payment upon submission of a) third annual report and b) final report- no later 1 November 2015 г.

Budget: An indicative cost of USD 49,500 has been estimated for these services

Приблизительный перевод

(английский текст имеет преимущественное значение)

Задачи:

В ходе реализации Компонента 1.2, была накоплена базовая информация по водному балансу, колебаниям уровня воды, качества воды и донных отложений, состоянию бентосных систем, разнообразию водной флоры и фауны. По санитарно-бактериологическим показателям в протоках дельты р. Селенга летом постоянно наблюдались повышенные концентрации бактерий группы кишечной палочки, а в маловодные годы регистрировалась высокая численность и биомасса фитопланктона, которые с водами реки выносятся в оз. Байкал. Для оценки качества воды по химическим, микробиологическим и гидробиологическим показателям проведение мониторинга в настоящее время и в последующие годы выделены следующие станции: в левой части дельты – протоки Харауз (основное русло) и Левобережная, в центральной части – протоки Колпинная, Галутай и в правой части – протока Лобановская, на входе в дельту станция Мурзино, характеризующая качество вод р. Селенга, поступающих в дельту.

Целью данного исследования является проведение мониторинга качества воды и состояния бентосных сообществ на станциях в дельте р. Селенга, определенных в ходе предыдущих исследований.

Для выполнения данной цели будут решаться следующие задачи:

1. Проведение во 2 и 3 кв. 2013-2015 гг. мониторинга качества воды по химическим, микробиологическим и гидробиологическим показателям на шести станциях в основных протоках дельты р. Селенга, которые были определены на основании исследований 2012 г.
2. Определение основных физико-химических (рН, растворенный кислород, биогенные элементы, главные ионы, тяжелые металлы (Fe, Cu, Zn, Cr, Pb, Cd, Mn) и биологических компонентов (бактериопланктон, фитопланктон, бентос), характеризующих качество поверхностных вод и донных отложений.
3. Оценка стока загрязняющих компонентов (биогенные элементы и тяжелые металлы) с водами р. Селенга в оз. Байкал.
4. Оценка состояния бентосных организмов по количественным и качественным характеристикам на выделенных станциях мониторинга
5. Проведение анализа воздействия на бентосные системы при изменяющихся гидрологических характеристиках
6. Разработка рекомендаций по возможному включению дополнительных физико-химических и биологических показателей при проведении мониторинга в дельте р. Селенга.

Конкретные результаты:

В рамках работы должны быть достигнуты следующие результаты:

- Проведены сезонные и межгодовые исследования физико-химических и гидробиологических показателей, характеризующих качество воды и донных отложений дельты р. Селенга.
- Получены качественные и количественные характеристики бентосных сообществ на выделенных станциях отбора проб в сезонном, а к 2014-2015 гг. – в межгодовом аспектах; составлен подробный фотоатлас грунтов и их изменчивости на этих станциях.
- Проведено обобщение полученных результатов, дана оценка современного экологического состояния экосистемы р. Селенга
- Разработаны рекомендации и предложения по использованию полученных результатов для решения рыбохозяйственных проблем, организации и проведения научно-обоснованного систематического долгосрочного мониторинга в дельте р. Селенга в целях сохранения биоразнообразия уникальной пресноводной экосистемы.

ANNEX II. FINANCIAL OFFER

Name(s) of consultant(s) (a)	Number of working days (b)	Daily fee (c)	Daily subsistence allowance (d)	Total (e)=(b)x((c)+(d))
GRAND TOTAL				

International/National travels (a)	Quantity (b)	Cost (c)	Currency (d)	Total (e)=(b)x(c)
GRAND TOTAL				

Other Costs (description)	Cost
GRAND TOTAL	

ANNEX III: PREVIOUS EXPERIENCE FORM

Previous Experience				
Description of services/goods/works/	Country	Total amount of contract	Contract Identification and Title and Contact details of Client: (Name, Address, telephone, email, fax)	Year project was undertaken

Authorized Signature: _____

Date: _____

ANNEX IV - UNOPS CONDITIONS OF SERVICES

1-Contractor's Status In all matters relating to this Contract, the Contractor shall be acting as an independent contractor. Neither the Contractor nor its employees are the employees of UNOPS. The Contractor assumes all liabilities or obligations imposed by any law or regulation with respect to such employees. The Contractor shall not have the authority to create any obligation on behalf of UNOPS and shall not represent itself as an agent, employee or in any other capacity of UNOPS. The Contractor shall be responsible for the professional and technical competence of its employees, who shall be expected to respect local customs and conform to a high standard of moral and ethical conduct.

2-Damage to Persons and Property The Contractor shall indemnify and hold harmless UNOPS, its officers, agents, employees and servants from and against all suits, claims, demands, proceedings, and liability of any nature or kind, including costs and expenses, for injuries or damages to any person or any property whatsoever which may arise out of or in consequence of acts or omissions of the Contractor or its agents, employees, servants or subcontractors in the execution of this Contract.

3-Intellectual Property Rights All intellectual property and other proprietary rights, including but not limited to patents, copyrights and trademarks, in all countries, with regard to maps, drawings, photographs, mosaics, plans, manuscripts, records, reports, recommendations, estimates, documents and other materials, except pre-existing materials, publicly or privately owned, collected or prepared as a consequence of or in the course of the performance of this Contract, shall become the sole property of UNOPS. The Contractor shall hold harmless and fully indemnify UNOPS from and against all claims and proceedings for infringement of any patent rights, design trademark or name or other protected rights resulting from Contractor's performance.

4-Confidentiality All maps, drawings, plans, reports, documents and all other data compiled by or received by the Contractor under the Contract shall be the property of UNOPS, shall be treated as confidential and shall be delivered only to the duly authorized representative of UNOPS upon completion of the Services.

5-Advertising The Contractor shall not advertise or otherwise make public the fact that it is performing, or has performed services for UNOPS or use the name, emblem or official seal of UNOPS or the United Nations or any abbreviation of the name of UNOPS or the United Nations for advertising purposes or any other purposes.

6-Modifications Any modification or change to this Contract shall require an amendment in writing between both parties duly signed by the authorized representatives of the Contractor and UNOPS.

7-Sub-contracting and Assignment of Contract The Contractor shall not sub-contract the Services or otherwise assign, transfer, pledge or make other disposition of this Contract or any part thereof or of any of the Contractor's rights, claims or obligations under this Contract.

8-Termination UNOPS may terminate this Contract for cause or convenience in the interest of the UNOPS upon not less than fourteen (14) days written notice to the Contractor. Upon termination of this Contract, the Contractor shall take immediate steps to terminate his performance of the Contract in a prompt and orderly manner and to reduce losses and to keep further expenditures to a minimum. Unless such termination has been occasioned by the Contractor's breach of this Contract, the Contractor shall be entitled to be paid for the part of the Services satisfactorily completed as of the date of termination, plus substantiated costs resulting from commitments entered into prior to the date of termination as well as any reasonable substantiated direct costs incurred by the Contractor as a result of the termination, but shall not be entitled to receive any other or further payment or damages.

9-Privileges and Immunities Nothing in or relating to this Contract shall be deemed a waiver of any of the privileges and immunities of the United Nations of which the UNOPS is an integral part.

10-Settlement of Disputes Any controversy or claim arising out of or in connection with provision of this Contract or any breach thereof, shall, unless resolved through direct negotiation, be settled in accordance with the UNCITRAL Arbitration Rules then in force. UNOPS and the Contractor shall be bound by any arbitration award rendered as a result of such arbitration as the final adjudication of any such controversy or claim.