UNOPS

Request for quotation (RFQ) for services

Provision of Geological, Geotechnical and Hydro-geological Study for the development of the Main Design for the Sanitation of the foundations on the High School "Gimnazija" in Obrenovac

RFQ No: UNOPS-SFRS-2014-S-007

Request for quotation (RFQ)
for Provision of Geological, Geotechnical and Hydro-geological Study for the development of the Main Design for the Sanitation of the foundations on the High School "Gimnazija" in Obrenovac
RFQ NO. UNOPS-SFRS-2014-S-007

Date: 31 July 2014

UNOPS is accepting quotations from suppliers for provision of Geological, Geotechnical and Hydro-geological Study for the development of the Main Design for the Sanitation of the foundations on the High School "Gimnazija" in Obrenovac. All interested parties must complete and return the attached price sheet to the following email address: srpc.bids@unops.org

1 Requirements and price list (Annex A)

Quotations need to be submitted by using the Requirements and Price List contained in Annex A.

2 Eligibility

Bidders must not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by UNOPS to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods under this request for quotation.

Bidders must not be under a declaration of ineligibility for corrupt and fraudulent practices published by UNOPS on its website. Bidders must meet the eligibility criteria as published on the UNOPS website.

3 Currency

All prices shall be quoted in RSD (Republic of Serbia Dinar) VAT free.

UNOPS reserves the right not to reject any bids submitted in another currency than the mandatory bidding currency stated above. UNOPS may accept bids submitted in another currency than stated above if the bidder confirms during clarification of bids (1.18) in writing that it will accept a contract issued in the mandatory bid currency and that for conversion the official United Nations operational rate of exchange of the day of RFQ deadline as stated in the RFQ letter shall apply.

Regardless of the currency of bids received, the contract will always be issued and subsequent payments will be made in the mandatory bidding currency above.

4 Evaluation

UNOPS evaluates quotations based on lowest priced most technically acceptable quotation received.

5 Delivery (for goods) – N/A

All items shall be delivered by _____, (date(s)) and shipped Incoterms (DAP place / FCA .. / ..) [select appropriate Incoterms]

6 Mobilization and duration (for services)

Service provision shall commence in August 2014. The successful supplier is expected to complete the services by mid September 2014.

7 Quotations due

All quotations must be received at the email address stated below no later than:

Date: 11 August 2014
Time: 12:00h, noon, CET
E-mail: srpc.bids@unops.org
Contact person: Procurement Unit

Quotations submitted shall be binding and valid for a period of thirty (30) days from the due date stated herein. Any prices accepted during this period will be considered firm/fixed for the resulting purchase order.

UNOPS will award this requirement in total and will not accept any partial quotations. The supplier agrees to acknowledge the purchase order in the form provided upon award, under the terms and conditions stated therein, and for the agreed amount.

8 UNOPS General Conditions of Contract

Any order resulting from this RFQ exercise will be subject to the UNOPS General Conditions of Contract available for goods, small services and services at the following addresses:http://www.unops.org/SiteCollectionDocuments/Procurement/UNOPS%20General%20Conditions%20for%20Goods.pdf
http://www.unops.org/SiteCollectionDocuments/Procurement/GCCs%20For%20Professional%20Services.pdf
http://www.unops.org/SiteCollectionDocuments/Procurement/Conditions-of-services-below50K.pdf

9 Clarifications

Suppliers with questions or requests for more information are encouraged to send them to the email address above promptly in order to allow time for the provision of a written response. Explanations or interpretations provided by personnel other than the above will not be considered binding or official.

10 Quotation form (Annex B)

The attached Quotation Form needs to be completed and signed. Suppliers shall return the completed and signed Quotation Form with their quotation.

Approved by:

Date:

Graeme Tyndall, Programme Manager

ANNEX A
Requirements and price list

The following documents must be completed/provided and returned with your offer:

- Quotation form
- Terms of Reference
- Financial offer
- Previous Experience Form with references for at least 3 similar projects (designs) that have been implemented over the past five years
- Company registration documents
- CVs of the proposed individual engineers, members of the proposed team. The Lead Engineer must hold the Licence 491 (designer for geotechnical studies) to ensure that the designs respect all current professional standards. License to be provided.

ANNEX B

RFQ – Quotation form

Quotation form must be completed, signed and returned to UNOPS. The quotations must be made in accordance with the instructions contained in this request.

UNOPS General Conditions of Contract will apply to any resulting purchase order/contract. A link to the UNOPS General Conditions of Contract is included in the RFQ document.

The undersigned, having read the terms and conditions of Quotation No. UNOPS-SFRS-2014-S-007 set out in the attached document, hereby offers to supply the services specified in the RFQ at the price or prices quoted, in accordance with any specifications stated and subject to the terms and conditions set out or specified in the document.

Signature: _____

Date: _____

Name and title: _____

Company: _____

Postal address: _____

Tel.no: _____

Fax no: _____

Email address: _____

Validity of offer: _____

Currency of offer: _____

Payment terms 30 days accepted: □

Quotation to be addressed to:

UNOPS
Procurement Unit
Sumatovacka 59
E-mail: srpc.bids@unops.org

ANNEX C

Terms of References

Geological, Geotechnical and Hydro-geological Study for the development of the Main Design for the Sanitation of the foundations on the High School "Gimnazija" in Obrenovac

I. Background:

"Serbia Floods Rehabilitation Support" project has been prepared in cooperation with the Government of the Republic of Serbia, and close coordination with its European Integration Office (SEIO), the Delegation of the European Union to the Republic of Serbia (DEU), the Royal Norwegian Embassy, as well as the resident United Nations agencies in Serbia, as a response to devastating floods that hit Serbia in May 2014.

The **objective** of the project is to support the citizens of Obrenovac and Krupanj to restore their living conditions through repair of private dwellings, and throughout the whole flood-affected region to establish normal functioning of kindergartens, schools, medical centres and other public institutions of primary importance, as well as to enhance the capacities of the Government of Serbia's Office for Flood Affected Areas Assistance and Recovery in management and monitoring of sanitation efforts.

The project will deliver four results:

- **Result 1:** Housing solutions provided to up to 370 families in Obrenovac, Krupanj and other municipalities if needed, through reparation or reconstruction of damaged private houses, provision of prefabricated houses, and reparation of facilities for small businesses, respecting human rights standards and non-discrimination principle of good governance
- **Result 2:** Improved living conditions in temporarily shelters and enhanced capacities for monitoring and coordination of return process in municipalities Obrenovac and Lazarevac
- **Result 3:** Working conditions restored to normal functioning in up to 30 public institutions (kindergartens, schools, medical centres etc) in the municipalities affected by the floods
- **Result 4:** Normalised transport of goods and people between Krupanj and Loznica through Korenita and Krst
- **Result 5:** Enhanced capacities of the Government of Serbia Office for Flood Affected Areas Assistance and Recovery (FAAARO) to manage and monitor recovery process in the flood affected municipalities
- **Result 6:** Reduced risk of spreading infective diseases through reduction of mosquitoes population in the areas affected by the floods
- **Result 7:** The project results communicated to general public

The **final beneficiaries** of this project are:

- Up to 370 families from Obrenovac and Krupanj who were affected by the floods and currently live in unsatisfactory conditions or in the collective centres
- Thirty public institutions of primary importance (kindergartens, schools, medical centres) that are out of function due to the damage caused by the floods, which besides reparation and reconstruction need equipment for normal functioning
- Government of Serbia's Office for the Flood Affected Areas Assistance and Recovery, responsible for the overall monitoring of the flood response.

The project will closely cooperate with the key stakeholders in order to achieve the planned results: the Government of Serbia Commission for Damage Assessment, the SEIO, the line ministries (the Ministry of Construction, Transport and Infrastructure, the Ministry of State Administration and Local Self Government, the Ministry of Education, Science and Technology Development, the Ministry of Health); organisations implementing the same scope of activities in different municipalities affected by the floods: ASB, DRC, HELP and FAO; local self governments, the Serbian Chamber of Engineers and other UN agencies dealing with specific parts of intervention.

II. Justification

One of the Project's results is to restore working conditions to normal functioning in up to 30 kindergartens, schools, medical centres in the municipalities affected by the floods, including provision of back-to-school supplies for up to 6,050 primary school pupils in Obrenovac and Krupanj. The High School "Gimnazija" in Obrenovac was assessed as the most severely damaged secondary school in the municipality.

III. Immediate objective(s):

To bring back to normal working conditions in the High School "Gimnazija" in Obrenovac. Since the damages caused by floods from May 2014 are mostly on the ground floor structures, the Main Design for the reconstruction can be done after the Geological, Geotechnical and Hydro-geological Study gives the recommendations for the intervention on buildings foundations and floors built on the ground level.

IV. SCOPE OF CONSULTANCY

The design company will, under the direct supervision of SERBIA FLOOD REHABILITATION SUPPORT Project Engineer, and overall supervision of SERBIA FLOOD REHABILITATION SUPPORT Project Manager, prepare the **Geological, Geotechnical and Hydro-geological Study** for the development of the Main Design for the Sanitation of the foundations on the Secondary School in Obrenovac

1. Introduction

The UNOPS Engineers visited the High School "Gimnazija" in Obrenovac on 23 and 26 June 2014, one month after the floods. Upon visual review of the building, large deformations were noticeable in almost 90% of flooring construction. The underground waters were still high (and the basement was still partially under water). The assessment of the works necessary for the reconstruction of the building recommends the development of the Geological, Geotechnical and Hydro-geological Study as the first step.

2. Basic concept and methodology for additional explorations

The **concept** of geological, geotechnical and hydro-geological explorations should lead to enabling the selection and design of adequate civil engineering solutions (for safe functioning of the facility) as part of the main construction design. Develop Detailed Investigations Design as per relevant laws and rulebooks (Mining and Geological Investigations Law, Official Gazette RS no. 88/11; Rulebook on required level of investigations related to engineering geological soil conditions for planning and design purposes Official Gazette RS no 51/96; Rulebook on the content of the geological investigations design Official Gazette RS no 51/96 and all contemporary professional laws and standards.

Research methodology should be adapted to the proposed concept and implemented through the following exploration works:

A) Preliminary works
A.1 Analyse existing documents and information about the location. Analysis shall include the geography, the climate conditions and factors, hydrological, hydrographical and geomorphologic characteristics of the location.
A.2 Develop the additional research design activities within the study. The design should be based on existing geological and geotechnical explorations, adopted concept and the insight in the actual situation on site.
A.3 Develop detailed geodetic study layout of the location with extended coverage (design area) to the estimated limits, i.e. the zone of mutual influence of the facility and the terrain.

B) Terrain exploration works
B.1 Conduct detailed engineering geological and hydro geological terrain mapping including the extended area.
B.2 Conduct additional exploratory drillings in zones of changes, with permeability experiments, including the installation of piezometers to monitor the level of underground water. Note that the piezometers will be included in the network for monitoring potential underground water.

B.3 Conduct geophysical explorations using engineering seismic methods and geo-electrical tests to determine physical and technical parameters of soil properties in created and natural conditions.

C) Analyse exploration results and develop Geologic, Geotechnical and Hydro geological Study for the development of the Main Design for the Sanitation of the foundations on the Secondary School in Obrenovac.

The results of additional explorations of geologic, geotechnical and hydro geologic situation, functions, conditions and limitations of geological base, should be analysed in order to select and design optimal technical and technological solutions to reconstruct-rehabilitate the foundations and the ground floor structures.

The study should, within mandatory headings set out in the Law on Geological Research; Geological Research Project Content Manual and Study on Geological Research Results, give attention to the following:

C.1 Develop detailed geotechnical and hydro geological map with conducted multipurpose area analysis of the terrain and rock mass (mechanic damage, stability, erodibility, drainage conditions, etc) in all phases of reconstruction.

C.2 Analyse geo-technological and hydro-geological conditions for drainage of surface and ground waters.

C.3 Analyse hydro-geological terrain conditions with risk analysis for possible pollution of ground water and soil in all phases of reconstruction and lifespan of the building.

C.4 Analyse terrain stability in relation to natural features and conditions of the geologic environment in the function of the as-built situation i.e. the changes on the excavated profile, including all natural and future artificial impacts in the building zone and its surroundings.

C. 6 Analyse geological, geotechnical and hydro geological conditions to select project solutions

C. 7 Recommend foundation reconstruction solutions, from the point of soil mechanics and soil bearing capacities.

3. Outputs:

1. **Geological, Geotechnical and Hydro-geological Study for the development of the Main Design for the Sanitation of the foundations on the Secondary School in Obrenovac.**

4. Activities:

Activities include, but are not necessarily limited to these tasks:

- Understand the SERBIA FLOOD REHABILITATION SUPPORT Project background
- Field research to obtain all conditions relevant for the Study
- Desk research and consultations with SERBIA FLOOD REHABILITATION SUPPORT Project during the initial activities

5. Inputs:

SERBIA FLOOD REHABILITATION SUPPORT Project and partners on this project will assure that all available facts and information about the location is given to the design company, such as the Opinion on the building stability from the City's Expertise Institute.

Consultant's Input

The selected design company should have proven expertise and experience in:

- Working on Geological, Geotechnical and Hydro-geological Studies
- Thorough knowledge and understanding of Serbia's building and construction legal framework
- Excellent communication and team building skills.

The design company shall provide references for at least 3 similar projects (designs) that have been implemented over the past five years, as well as the CVs of the proposed individual engineers, members of

the proposed team. The Lead Engineer must hold the Licence 491 (designer for geotechnical studies) to ensure that the designs respect all current professional standards.

6. Timing:

The consultancy will be conducted over the period mid August 2014 to mid September 2014.

7. Reporting:

Monthly progress reports and final report, in English
Electronic copy of the Study and 5 hard copies

The Study will remain the intellectual property of UNOPS.

ANNEX D
Financial offer

QUOTATION			
BIDDER'S PRICES (Price & Currency to be entered by Bidder in RSD) For evaluation and comparison purposes, UNOPS shall convert all bid prices expressed in amounts in various currencies into an amount in USD, using the United Nations exchange rate.			
	DESCRIPTION	QTY	CURRENCY: TOTAL OFFERED PRICE (VAT excluded)
1.	Provision of Geological, Geotechnical and Hydro-geological Study for the development of the Main Design for the Sanitation of the foundations on the High School "Gimnazija" in Obrenovac	**1**	

ANNEX E

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

UNOPS

UNOPS Headquarters
Marmorvej 51
P.O. Box 2695
2100 Copenhagen
Denmark
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