



REQUEST FOR QUOTATION (RFQ) (Works)

All Interested	DATE: November 21, 2018
	REFERENCE: RFQ UKR/2018/028

Dear Sir / Madam:

We kindly request you to submit your quotation for the following works:

Renovation of water reservoirs system for maintaining the groundwater level in Nizhyn rayon, Chernihiv oblast

as detailed in Annex 1 of this RFQ. When preparing your quotation, please be guided by the form attached hereto as Annex 3.

Quotations may be submitted on or before **23:59 (Kyiv time) December 05, 2018** and via e-mail to the address below:

United Nations Development Programme
tenders.ua@undp.org
Procurement Unit

Quotations submitted by email must be limited to a maximum **of 5 MB**, virus-free and no more than 5 email transmissions. *Files larger than 5 MB will not be delivered and therefore the quotation will not be considered.* They must be free from any form of virus or corrupted contents, or the quotations shall be rejected.

It shall remain your responsibility to ensure that your quotation will reach the address above on or before the deadline. *Please ensure that you received an autoreply from above-mentioned E-mail address indicating that the message was received.* Quotations that are received by UNDP after the deadline indicated above, for whatever reason, shall not be considered for evaluation. If you are submitting your quotation by email, kindly ensure that they are signed and in the .pdf format, and free from any virus or corrupted files.

Please take note of the following requirements and conditions pertaining to the supply of the abovementioned services:

Delivery Terms	n/a
Customs clearance, if needed, shall be	n/a
Exact Address/es of Delivery Location/s (identify all, if multiple)	Nizhyn District in proximity to village Kukshyn (Chernihiv Oblast, Ukraine)
Latest Expected Delivery Date and Time (if delivery time exceeds this, quote)	<input checked="" type="checkbox"/> According to the TORs attached (see Annex 1)
Delivery Schedule	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required
Site Visit	Site visit shall be arranged as per the following details: Meeting time: 11:00 a.m. Kyiv time on 28 November 2018 Location: premises of Kukshyn village council, Kukshyn village, Nizhyn rayon, Chernihiv oblast Point of contact: UNDP Procurement Unit procurement.ua@undp.org , +38 044 2539363
Preferred Currency of Quotation ¹	<input checked="" type="checkbox"/> United States Dollars. Due to fluctuations in the national currency it is recommended to indicate the price in dollars. In this case, UNDP will pay in UAH, at the official UNDP rate for the day of payment. Currency rate information is available at: http://treasury.un.org Please pay attention to UN currency rate, it may differ from the official rate of the NBU, Mezhbank (internal banking) and others. <input type="checkbox"/> Euro <input checked="" type="checkbox"/> Local Currency: UAH
Value Added Tax on Price Quotation	<input checked="" type="checkbox"/> Must be inclusive of VAT and other applicable indirect taxes (VAT amount should be clearly indicated in a separate line) <input type="checkbox"/> Must be exclusive of VAT and other applicable indirect taxes
Deadline for the Submission of	23:59, Wednesday, December 05, 2018 Kyiv time
All documentations, including catalogs, instructions and operating manuals,	<input checked="" type="checkbox"/> English <input checked="" type="checkbox"/> Others Ukrainian/Russian
Documents to be submitted	<input checked="" type="checkbox"/> Duly Accomplished Form as provided in Annex 2 (Tables 1-7), and in accordance with the list of requirements in Annex 1 and Attachment 1 to TOR; <input checked="" type="checkbox"/> Financial proposal in accordance with Annex 3; <input checked="" type="checkbox"/> Copy of Latest Business Registration Certificate and Tax Registration certificate;

¹ Local vendors must comply with any applicable laws regarding doing business in other currencies. Conversion of currency into the UNDP preferred currency, if the offer is quoted differently from what is required, shall be based only on UN Operational Exchange Rate prevailing at the time of UNDP's issuance of Purchase Order.

	<input checked="" type="checkbox"/> Copy of relevant license to perform Works in accordance with the TOR and Project design documentation (if required by legislation); <input checked="" type="checkbox"/> Latest Financial Statement (Income Statement and Balance Sheet, Tax Declarations) including Auditor's Report for the past 3 years (2015-2017); <input checked="" type="checkbox"/> At least three reference letters from previous partners for similar works/assignments; <input checked="" type="checkbox"/> Availability of equipment and material - technical base (cars, machinery, equipment, etc.) – in working condition; <input checked="" type="checkbox"/> Availability of qualified staff (list of the team involved, including team leader, key expert and other experts. The list should be accompanied with their CVs, indicating past experience. Any changes to the team should be agreed with UNDP) who have knowledge and experience in the construction, reconstruction, major repairs of drainage, drainage-wetting systems and waterworks structures within drainage, drainage-wetting systems, rivers, reservoirs in the area of the Ukrainian Polissya (or equivalent thereof); <input checked="" type="checkbox"/> Availability of documented experience in similar contracts (experience in the field of construction, reconstruction, major repairs of drainage, drainage-wetting systems and waterworks structures within drainage, drainage-wetting systems, rivers, reservoirs in the area of the Ukrainian Polissya (or equivalent thereof) for the past 3 years; <input checked="" type="checkbox"/> Detailed description of activities to be undertaken under this contract, including methodology and expected results, schedule, management arrangements, etc.
Period of Validity of Quotes starting the Submission Date	<input checked="" type="checkbox"/> 60 days In exceptional circumstances, UNDP may request the Vendor to extend the validity of the Quotation beyond what has been initially indicated in this RFQ. The Proposal shall then confirm the extension in writing, without any modification whatsoever on the Quotation.
Partial Quotes	<input checked="" type="checkbox"/> Not permitted <input type="checkbox"/> Permitted – by Lot (partial Quotes within one lot will not be accepted).
Payment Terms ²	Payments will be made in the following manner: <input checked="" type="checkbox"/> 100% upon completion of works and their duly acceptance by UNDP

² UNDP preference is not to pay advanced amount upon signing of contract. If vendor strictly requires advanced payment, it will be limited only up to 20% of the total price quoted. For any higher percentage, or advanced payment of \$30,000 or higher, UNDP shall require the vendor to submit a bank guarantee or bank cheque payable to UNDP, in the same amount as the advanced payment made by UNDP to the vendor.

Evaluation Criteria	<p><input checked="" type="checkbox"/> Technical responsiveness/Full compliance to requirements and lowest price³</p> <p><i>Submitted offers will be reviewed on "Pass" or "Fail" basis to determine compliance with the below criteria/requirement/s:</i></p> <ul style="list-style-type: none"> ✓ Offers must be submitted within the stipulated deadline ✓ Offers must meet required Offer Validity ✓ Offers have been signed by the proper authority ✓ Offers include requested company/organization documentation as mentioned above in <i>Documents to be submitted</i> section ✓ Offers must comply with general requirements: <ul style="list-style-type: none"> a) Properly registered company/organization (for Ukrainian companies: registration on the Government Controlled Area); b) Available certified human resources; c) The company should have at least 3 years of professional experience in the respective area; d) Minimum annual turnover shall amount to: USD 60,000.00 (or equivalent in UAH) for the last 3 years; e) Technical responsiveness to stipulated requirements in specification/terms of reference; f) Compliance with implementation schedule: <p>Deadline for completion of works under Deliverable 1-3: by 15 April 2019.</p> <p><input checked="" type="checkbox"/> Full acceptance of the Contract General Terms and Conditions http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy/</p>
UNDP will award to:	<p><input checked="" type="checkbox"/> One and only one Contractor</p> <p><input type="checkbox"/> One or more Contractor</p> <p><input checked="" type="checkbox"/> UNDP may exclude suppliers, contractors and consultants from tendering for procurement opportunities in UNDP-supported programmes or projects if the Offeror in question or their affiliates provided consulting services for the preparation and implementation of a project, and in order to prevent a conflicts of interest, the Offeror and their affiliates are disqualified from subsequently providing goods and civil works under UNDP financing for the same project.</p>
Type of Contract to be Signed	<input checked="" type="checkbox"/> Civil Works Contract

³ UNDP reserves the right not to award the contract to the lowest priced offer, if the second lowest price among the responsive offer is found to be significantly more superior, and the price is higher than the lowest priced compliant offer by not more than 10%, and the budget can sufficiently cover the price difference. The term "more superior" as used in this provision shall refer to offers that have exceeded the pre-determined requirements established in the specifications.

Conditions for Release of Payment	<input checked="" type="checkbox"/> Mutual Written Acceptance of Works based on full compliance with TOR/Project Design requirements after confirmation of Technical Supervision and Project Engineer. Upon provision of originals of invoice, act of acceptance and tax invoice (if applicable).
Annexes to this RFQ	<input checked="" type="checkbox"/> Terms of Reference including Bill of Quantity (Annex 1) <input checked="" type="checkbox"/> Technical requirements for work on the site (Attachment 1 to TOR) <input checked="" type="checkbox"/> Detailed working design <input checked="" type="checkbox"/> Form for Submission of Quotation (Annex 2) <input checked="" type="checkbox"/> Price proposal template (Annex 3) <input checked="" type="checkbox"/> General Terms and Conditions / Special Conditions - Available through the Link: http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html Non-acceptance of the terms of the General Terms and Conditions (GTC) shall be grounds for disqualification from this procurement process.
Contact Person for Inquiries (Written inquiries only) ⁴	<i>Maryna Anokhina, Procurement Associate UNDP, Procurement Unit</i> maryna.anokhina@undp.org Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers.

Works offered shall be reviewed based on completeness and compliance of the quotation with the minimum specifications described above and any other annexes providing details of UNDP requirements.

The quotation that complies with all of the specifications, requirements and offers the lowest price, as well as all other evaluation criteria indicated, shall be selected. Any offer that does not meet the requirements shall be rejected.

Any discrepancy between the unit price and the total price (obtained by multiplying the unit price and quantity) shall be re-computed by UNDP. The unit price shall prevail and the total price shall be corrected. If the supplier does not accept the final price based on UNDP's re-computation and correction of errors, its quotation will be rejected.

After UNDP has identified the lowest price offer, UNDP reserves the right to award the contract based only on the prices of the goods in the event that the transportation cost (freight and insurance) is found to be higher than UNDP's own estimated cost if sourced from its own freight forwarder and insurance provider.

At any time during the validity of the quotation, no price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted by UNDP after it has received the quotation. At the time of award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.

Any Purchase Order/Contract that will be issued as a result of this RFQ shall be subject to the General

Terms and Conditions attached hereto. The mere act of submission of a quotation implies that the vendor accepts without question the General Terms and Conditions of UNDP herein attached as Annex 3.

UNDP is not bound to accept any quotation, nor award a contract/Purchase Order, nor be responsible for any costs associated with a Supplier's preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.

Please be advised that UNDP's vendor protest procedure is intended to afford an opportunity to appeal for persons or firms not awarded a purchase order or contract in a competitive procurement process. **In the event that** you believe you have not been fairly treated, you can find detailed information about vendor protest procedures in the following link: <http://www.undp.org/content/undp/en/home/procurement/business/protest-and-sanctions.html> .

UNDP encourages every prospective Vendor to avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ.

UNDP implements a zero tolerance on fraud and other proscribed practices, and is committed to identifying and addressing all such acts and practices against UNDP, as well as third parties involved in UNDP activities. UNDP expects its suppliers to adhere to the UN Supplier Code of Conduct found in this link: https://popp.undp.org/UNDP_POPP_DOCUMENT_LIBRARY/Public/AC_Anti-Fraud_UN%20Supplier%20Code%20of%20Conduct_english.pdf#search=code%20of%20conduct

Thank you and we look forward to receiving your quotation.

Andra Brige

Sincerely yours,

Ms. Andra Brige,
Deputy Country Director (Operations) UNDP Ukraine
November 21, 2018

AD

⁴ This contact person and address is officially designated by UNDP. If inquiries are sent to other person/s or address/es, even if they are UNDP staff, UNDP shall have no obligation to respond nor can UNDP confirm that the query was received

Annex 1.**Terms of Reference**

Project Title: Renovation of water reservoirs system for maintaining the groundwater level in Nizhyn rayon, Chernihiv oblast

Subject: Renovation of water reservoirs system for maintaining the groundwater level in Nizhyn rayon, Chernihiv oblast

1. INTRODUCTION. ASSIGNMENT'S BACKGROUND**Introduction**

During 2013–2017 UNDP Ukraine has implemented a EU funded project package assisting the Eastern Neighborhood Partnership Countries in approaches to climate change mitigation and adaptation. The Ukrainian peatland management project was part of a program funded by the European Commission and implemented by UNDP, in cooperation with national and international partner organizations. The main goal of the Program was to demonstrate, through pilot projects, the feasibility of applying ecosystem-based approaches to climate change, showing that virgin ecosystems such as peatlands, permafrost areas, boreal forests and pastures can have a significant and economically positive impact on climate change mitigation and adaptation.

In 2018 UNDP in Ukraine received a grant from the Global Water Challenge to carry out works, aimed at the restoration of the hydrological regimes on the Smolyanka reclamation system, by clearing 4 reservoirs and repairing 2 hydrotechnical structures (HTS). The project complements and is a separate component of the Clima East project: "Preservation and Sustainable Use of Peatlands".

Project Objectives

The main objective of the component is to restore the hydrological regime on the Smolyanka irrigation system to a semi-natural condition, by increasing the groundwater level. The pilot zone is the Nizhyn District (Chernihiv Oblast, Ukraine). The following measures have been envisaged:

1. Clearing 4 (four) ponds.
2. Reconstruction of 2 (two) existing HTSs.

The Terms of Reference have been developed with account to the limited financing, on the basis of the working project "Restoration of the Hydrological Regime in the "Smolyanka" System through Clearing 4 Water Reservoirs and Repairing 2 HTSs".

The component activities will result in the following:

- Improvement of the hydrological and environmental situation at the reservoirs and the adjacent territory of the Smolyanka drainage and moistening system;
- Reduction of greenhouse gas emissions from the recovered peatlands of the Smolyanka system;
- Improving local residents' health due to the lower risk of peat fires;
- Preserving the diversity of the local biosphere affected by peat fires;
- Restoring water reservoirs for recreation purposes by local residents and tourists.

2. SCOPE OF WORK

The company will carry out works in accordance with the Technical requirements for work on the site described in Attachment 1 to this TOR. The Types and scopes of works are provided in the table below.

Types and scopes of works on the site:

No	Work type	Unit	Size
1	2	3	4
Clearing pond №2			
1	Soil excavation	1000 m ³	6.3
2	Earth removal up to 1 km	t	8820
3	Dewatering	hours	88
Clearing pond №3			
1	Soil excavation	1000 m ³	5.84
2	Earth removal up to 1 km	t	8176
3	Dewatering	hours	80
Clearing pond №4			
1	Soil excavation	1000 m ³	8.32
2	Earth removal up to 1 km	t	11648
Clearing pond №5			
1	Soil excavation	1000 m ³	7.84
2	Earth removal up to 1 km	t	10976
Repair of tubular regulator with passageway			
1	Dismantling of pipelines from ferro-concrete socket pipes Ø 500 mm	100 m	0,1
2	Assembly of pipelines from ferro-concrete socket pipes Ø 600 mm	100 m	0, 1
3	Reinforced concrete pipes ТБ 60.50-2, nominal bore diameter 600 mm	м	10
4	Installation of foundation blocks, base plates	100 m ³	0,0096
5	Block ОГ - 10	pcs	8
6	Installation of walls, openings, diaphragms, heads with laying of joints with cement mortar	100 m ³	0,0338
7	ОП – 6 series 3,006.1-2.87 issue 0-2	pcs	2
8	Slope protection by slabs and joint grouting by weight of up to 1 t, 10 cm in thickness	100 m ³	0,02
9	Slabs ПП 10*15	pcs	8
10	Slabs ПП 510	pcs	2
11	Assembly of flat sliding shutters and wheel clearance gates, up to 1 t in weight	T	0,146
12	Parts of the flat wheel emergency repair shutter, steel grade C255	T	0,146
Repair of tubular regulator with passageway			

№	Work type	Unit	Size
1	2	3	4
1	Dismantling of pipelines from ferro-concrete socket pipes Ø 500 mm	100 m	0,1
2	Assembly of pipelines from ferro-concrete socket pipes Ø 600 mm	100 m	0, 1
3	Ferro-concrete pipes ТБ 60.50-2, nominal bore diameter 600 mm	m	10
4	Installation of foundation blocks, base plates	100 m ³	0,0096
5	Block ОГ - 10	pcs	8
6	Installation of walls, openings, diaphragms, heads with laying of joints with cement mortar	100 m ³	0,0338
7	ОП – 6 series 3,006.1-2.87 issue 0-2	pcs	2
8	Slope protection by slabs and joint grouting by weight of up to 1 t, 10 cm in thickness	100 m ³	0,024
9	Slabs ПП 10*15	pcs	8
10	Slabs ПП 510	pcs	2
11	Assembly of flat sliding shutters and wheel clearance gates, up to 1 t in weight	T	0,146
12	Parts of the flat wheel emergency repair shutter, steel grade C255	T	0,146

3. MILESTONES

1. Clearing 4 reservoirs;
2. Repair of 2 hydraulic engineering structures.

4. EXPECTED OUTPUTS/DELIVERABLES UNDER THE ASSIGNMENT

Deliverable 1: Clearing 4 reservoirs (as indicated in the table above). Completion period – 2 months.

Deliverable 2: Repair of 2 HTSs. Completion period - 2 months.

Deliverable 3: Final report on outcomes. The document must be in hard copy and on electronic media. The electronic version must be an MS Word document with photos showing the process of work being carried out and the results. All photos and reports must be submitted in an electronic form.

Proposals must describe a detailed method of work and a schedule specifying the deadlines for provision of all reporting materials, with account to the deadlines.

The Offerors should submit the proposals in English or Ukrainian languages.

5. IMPLEMENTATION ARRANGEMENTS AND CONDITIONS OF ENGAGEMENT

5.1 General Provisions

- The UNDP will establish and communicate formatting requirements for the reports and documents, which will be prepared/developed by the Contractor. The Contractor shall use/apply such formatting requirements in preparation, revision and adjustment of the documents required by the Project under this engagement;
- Any copyrights and other kinds of intellectual property emerging in the course of contract implementation and produced by the Contractor under the contract shall be retained by UNDP. The Contractor shall not be entitled for any intellectual property in this regard;
- Any documents and/or information owned by UNDP and any other entities provided or shared by UNDP to the Contractor in the course of contract implementation shall remain confidential and shall

not be disclosed or shared to other parties by the Contractor without written permission from authorized UNDP official;

- At UNDP side contract implementation will be coordinated and supervised by the Programme Coordinator and the Contractor will be responsible to obtain his/her clearance of each drafted/revised document before its finalization. Upon request from the Programme Coordinator the Contractor shall revise or correct the drafted documents and address all his/her comments;
- The Contractor shall nominate a dedicated team leader, who will be responsible for contract implementation, coordination and communication with the Project, logistics, planning and performance monitoring, reporting and other relevant activities.

5.2 Coordination and management

- The UNDP Project is responsible for the stakeholder consultation on deliverables, if needed;
- The payments will be made upon approval of corresponding deliverables by UNDP.

5.3 Contractual and payment arrangements

- UNDP Standard Contract for Civil Works will be signed with the selected Contractor. The Contract will be in 2 languages, where English language prevails over Ukrainian;
- Standard UNDP payment terms – up to 30 days after receipt of the original invoice and satisfactory fulfillment of the contractual obligations/deliverables. The payments will be made upon endorsement by UNDP.

The Offerors should submit the proposals in English or Ukrainian/Russian languages.

6. EXPERIENCE AND QUALIFICATION REQUIREMENTS

Experience and qualification requirements:

At the moment of proposal submission an Offeror shall:

- Be duly registered in accordance with the current legislation of Ukraine. Have confirmation of a record about the legal entity in the Unified Register of Legal Entities and Individual Entrepreneurs;
- Ensure that there are no records about the absence at the company location, records about the existence of judicial decisions on the termination of activity of the legal entity and / or records about the termination of activity of the legal entity in the Unified State Register of Legal Entities;
- Have minimum 3 years of professional experience.

Offeror should provide the following information

- availability of equipment and material - technical base (cars, machinery, equipment, etc.) – in working condition;
- availability of qualified staff (list of the team involved, including team leader, key expert and other experts. The Contractor shall nominate a dedicated team leader, who will be responsible for contract implementation, coordination and communication with the Project, logistics, planning and performance monitoring, reporting and other relevant activities. The list should be accompanied with their CVs, indicating past experience. Any changes to the team should be agreed with UNDP) who have knowledge and experience in the construction, reconstruction, major repairs of drainage, drainage-wetting systems and waterworks structures within drainage, drainage-wetting systems, rivers, reservoirs in the area of the Ukrainian Polissya (or equivalent thereof);
- bidder has the relevant license to perform specified works, if needed;

- availability of documented experience in similar contracts (experience in the field of construction,
- reconstruction, major repairs of drainage, drainage-wetting systems and waterworks structures within
- drainage, drainage-wetting systems, rivers, reservoirs in the area of the Ukrainian Polissya (or equivalent thereof) for the past 3 years;
- description of internal management control system;
- detailed description of activities to be undertaken under this contract, including methodology and expected
- results, schedule, management arrangements, etc.
- provide financial information (tax declaration, audit reports) for the last three years.
- at least three reference letters from previous partners.

7. Evaluation method:

Lowest price and technically compliant offer

Contract award shall be made to the incumbent whose offer has been evaluated and determined as both:

- a) responsive/compliant/acceptable (fully meeting the TOR provided), and
- b) offering the lowest price/cost

Attachment 1

Technical requirements for work on the site:

"Restoration of the Hydrological Regime in the "Smolyanka" System through Clearing 4 Water Reservoirs and Repairing 2 HTSs"

The site for the restoration of the hydrological regime consists of 2 hydraulic engineering structures (hereinafter referred to as "the HTS") and 4 water reservoirs with a total length of 2,535 m at the Smolyanka drainage and moistening system, located in the territory of the Nizhyn District in Chernihiv Oblast.

Table 1

Main technological and economic indicators

Indicator	Unit	Numbr
Water reservoir area	ha	14.00
Number of structures to be repaired	pcs	2

As a result of natural pond silting processes, they become shallower and overgrown with swamp vegetation, which negatively affects the sanitary and environmental condition of the reservoirs and adjacent areas. The project area is waterlogged and overgrown with swamp vegetation; the water depth in the ponds fluctuates between 0.2 and 0.4 m. The dams between the ponds are partially destroyed, eroded by rainwater, have irregular geometric shapes and are far from the initial design parameters. The overall condition of the ponds is dissatisfactory. The soils are predominantly composed of loam, peatified to low or medium degree. No construction development is present in the areas adjacent to the site.

At present, ponds №2 and №3 are connected to the existing canal by culverts of 500 mm in diameter. In order to fill the ponds being cleared with free-flowing water from the canal, reconstruction of the aforementioned culverts is envisaged. The existing pipes, on account of their condition, are to be dismantled and in their place, a standard structure is to be installed, of reinforced concrete 600-mm pipes, according to the standard design of "Tubular Regulators" ТП 820-087,88. The current one-way operation structure will be converted into a two-way regulator. Instead of the box-shaped water gate, flat shutters will be installed on both sides of the pipe.

Description of the construction conditions

The project envisages reconstruction of 4 (four) ponds and 2 (two) HESs located on the lands of the Smolyanka drainage and moistening system. The Smolyanka drainage and moistening system is located in the territory of Nizhyn District in Chernihiv Oblast.

The drainage and moistening system is a regular network of canals on peat and mineral soils that enables and regulates the water flow.

Land moistening and drainage is carried out by regulation of the local flow in canals. The sluicing is carried out by regulator sluices installed on the canals of various order.

The total length of ponds to be reconstructed is 2,532 m. The current water level in the ponds, at the time when the survey was conducted, was 116.30 m. This depth fluctuates between 0.2 and 0.4 m. Over the years of operation, the said water reservoirs have been clogged with silt and the dams between them have been partially destroyed by rainwater, due to the fact that the volume of the ponds is far from the initial design and that they do not perform their function of accumulation capacity.

The ponds themselves serve as accumulation reservoirs for water. Water in them is partially filled by the existing HESs, partly by groundwater and partly by water pumped through the nearer canals. The existing

regulation hydraulic engineering structures are operated without the use of any power sources and in the course of operation do not emit any pollutants into the environment.

The project envisages reconstruction of the ponds (removal of silt and swamp vegetation) over a total area of 14 hectares, with the purpose of restoration of their hydrological regime, improvement of their sanitary and environmental condition, bringing them to an appropriate aesthetic appearance and creating, in the future, normal conditions for their operation.

The area terrain is flat, with slopes towards the soil reclamation canal.

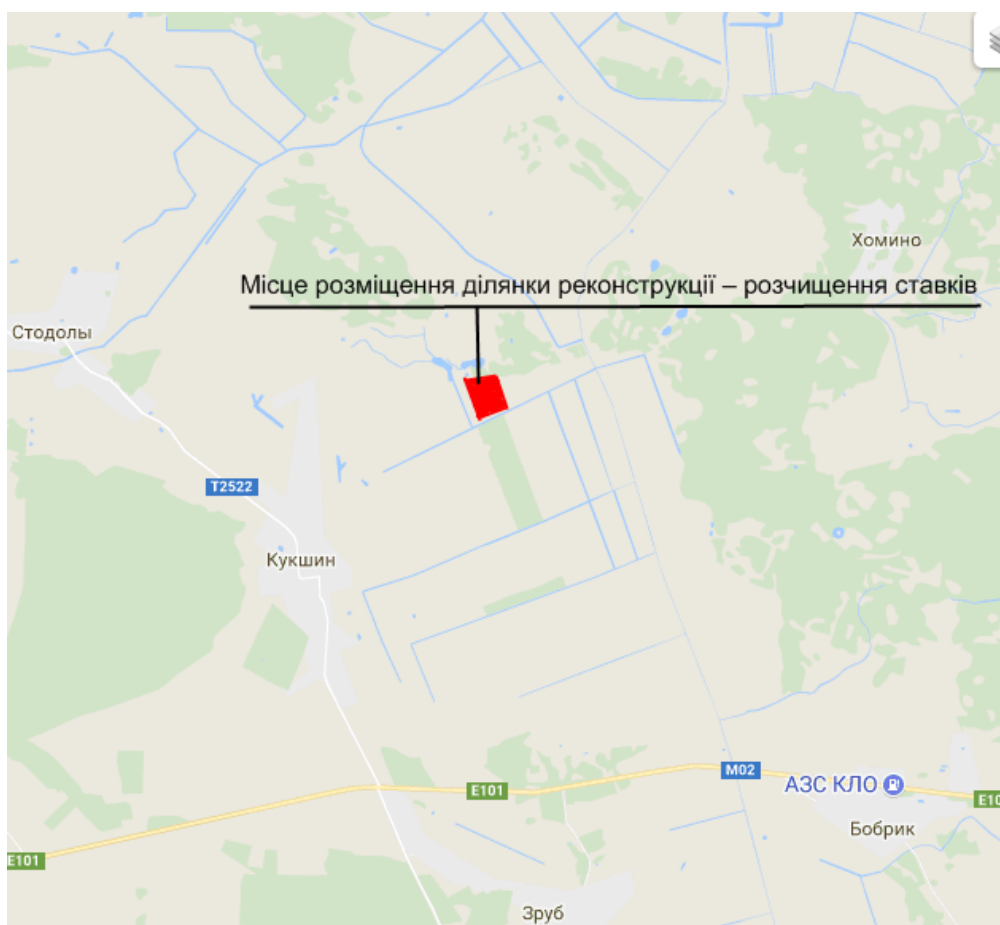


Fig.1 Project site layout plan for the area to be cleared

Reconstruction site location – pond clearing

The main components of construction

The technical part of the documentation envisages:

- clearing 4 reservoirs;
- repair of 2 hydraulic engineering structures;

The HES types have been identified by the existing markings on the structures, evaluation reports and on the basis of executive documentation.

Architectural and construction solutions have been made on the basis of standard designs developed by the Ukrgidrovodhoz Institute. The standard designs are based on the unification of dimensional schemes and reinforced concrete components.

The works are recommended to be carried out in the low-water season, based on technical solutions, drawings and volumes of works provided in the drawings of the working project "Restoration of the Hydrological Regime in the "Smolyanka" System through Clearing 4 Water Reservoirs and Repairing 2 HESS".

Works of the preparatory period

In the preparatory period, the following operations will be carried out:

- referencing the axes of structures and reservoir contours;
- delivery of materials, equipment and necessary mechanisms to the construction site;
- arrangement of the construction manager site (trailers, fire-fighting equipment, platforms for various purposes);
- coordination of the location of the construction manager site.

Works of the main period

Earthworks for pond clearing are performed by an excavator and a bulldozer.

The total excavation volume at the facility is 28,300 m³, the area of the soil leveling is at a distance of 1 km.

The works are recommended to be performed during the driest time of the year or in winter, when there are the lowest groundwater levels. The list of machines and mechanisms, and the ways of work performance, may be adjusted by the work performance project depending on specific conditions.

Before the pond deepening, a temporary drainage network is constructed, consisting of a main longitudinal canal and lateral canals.

Depending on the hydrological conditions, excavation work on the arrangement of the drainage system can be carried out in two stages. During the first stage, trench canals are arranged, 1.0 to 1.5 m in depth; after that, water is pumped out, followed by the canals' deepening to the design marks. The water from the canals enters the concrete well, and by the SNP 50/80 pump station is pumped into the existing adjacent canal of the Smolyanka system. After the water is pumped out of the ponds, groundwater level reduction and soil drying, the soil is moved by a bulldozer from the canals to the opposite side of the pond to the dam slopes. Following this, it is partially used for the dam upfilling, which is carried out by excavators, and the residual soil is loaded by excavators onto trucks and removed to the distance of 1 km, where it is spread in the allocated area.

After the upfilling, dams are levelled and compacted. The vegetable mold, of 0.15 m in thickness, is removed from the ground levelling area. After unloading, the soil is levelled by bulldozers and finally, the vegetable mold is spread on the dump area.

Since the dams vary from 600 m to 665 m in length, turning circles are arranged on the dams from the excavated soil, to allow vehicle turning. The number and locations of the turning circles are defined in the work performance plan.

Pond clearing works may be carried out in stages, depending on availability of labor resources and mechanisms. In the beginning, a drainage network is arranged at the pond №5; in the period of phreatic decline in the pond No.5, a drainage network in the pond №4 is built. After the phreatic decline, works on the pond clearing begin, and water pumping starts in the pond №4. After the bulldozers works have

completed, dam upfilling by excavators and soil removal begin in the pond №5, and bulldozers begin clearing pond №4, and so on.

Environment protection measures

On account of the shared features of the entire reconstruction complex by the number of persons who stay on the site permanently, periodically and beyond its boundaries, and estimation of forecast damages, the site "Restoration of the Hydrological Regime in the "Smolyanka" System through Clearing 4 Water Reservoirs and Repairing 2 HESs" falls into to - **CC1 class of consequences** (responsibility).

Environmental risks are absent. No residual environmental impacts are present.

To ensure the statutory condition of the environment, the following measures must be carried out:

- strict adherence to the hydrological regime of the drainage and moistening system;
- timely disposal of construction and household waste.

Measures for environmental protection in the course of construction

In the organization of construction operations, it is necessary to be guided by the applicable regulatory documents DBN A.3.1-5-2016 "Organization of construction operations" and other documents governing the protection of the environment in the course of construction and assembly works.

In the course of construction and installation works, the following types of the environmental impact may be possible:

- air environment - emissions of fuel combustion products in engines of construction machinery and vehicles (nitrogen dioxide, soot, carbon oxide, sulfur dioxide, hydrocarbons); electric welding emissions (iron oxide, manganese); emissions during paint coating works (white spirit, solvent, xylene, paint and varnish aerosols);
- water environment - additional water consumption and drainage during the construction period;
- soil – terrain and vegetation disturbance; erosion under the influence of storm water in trenches and pits;
- flora and fauna – HES repairs.

In order to reduce the harmful effects on the environment by construction and assembly works, the following measures are envisaged:

- observance of the boundaries of the area allocated for the construction and assembly works, and placement of the construction equipment;
- arranging organized access roads to the construction site, maximizing the use of the existing access roads and parking facilities for machinery and vehicles;
- areas for excavation of pits and trenches must be protected from surface water erosion by arranging clogs, temporary or permanent drainage devices;
- equipping workplaces and construction sites with inventory containers and bins to collect construction and household waste;
- constant monitoring by the maintenance personnel over the technical condition of motor vehicles and construction machinery, the quantity and quality content of the exhaust fumes;
- prohibition of construction equipment to be operated with unregulated engines and the presence of leakage of fuel and lubricants;
- washing vehicles and machinery, replacing lubricants in approved areas on the territory of transportation enterprises;

- storing dust-forming loose construction materials in sacks or in tight containers;
- Timely removal of construction waste to solid waste landfill.

Environmental protection measures for the working project "Restoration of the Hydrological Regime in the "Smolyanka" System through Clearing 4 Water Reservoirs and Repairing 2 HESs" must be carried out in accordance with the requirements of the legislation and regulatory documents.

Annex 2

FORM FOR SUBMITTING SUPPLIER'S QUOTATION¹
(This Form must be submitted only using the Supplier's Official Letterhead/Stationery²)

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to supply the items listed below in conformity with the specification and requirements of UNDP as per RFQ Reference No. RFQ UKR/2018/28:

TABLE 1: BRIEF COMPANY PROFILE

BRIEF COMPANY PROFILE	
The Service Provider must describe and explain how and why they are the best entity that can deliver the requirements of UNDP by indicating the following:	
Full registration name	
Year of foundation	
Legal status	If Consortium, please provide written confirmation from each member
Legal address	
Actual address	
Bank information	
VAT payer status	
Contact person name	
Contact person email	
Contact person phone	
Company's core activities	
Profile – describing the nature of business, field of expertise, licenses, certifications, accreditations (If any);	Please indicate here
Business Licenses – Registration Papers, Tax Payment Certification, etc	EDRPOU, ID tax number Copies of State registration and Tax registration should be attached
Certificates and Accreditation	Please indicate here applicable including Quality Certificates, Patent Registrations, Environmental Sustainability Certificates, etc.
Please provide contact details of at least 3	Please attach the signed reference letters

¹ This serves as a guide to the Supplier in preparing the quotation and price schedule.

² Official Letterhead/Stationery must indicate contact details – addresses, email, phone and fax numbers – for verification purposes

previous partners for reference	
Company is not in the UN Security Council 1267/1989 List, UN Procurement Division List or Other UN Ineligibility List.	Please confirm (Answers: Yes, we are in the list/No, we are not in the list)

TABLE 2: Construction works of similar nature performed over the last 3 years:

#	Project Name	Customer, Contract	Work Description	Value (USD)	Actual date of work completion and overall project duration
1					
2					
...					

TABLE 3: Availability of Equipment to perform the required works:

#	Description of Equipment	Capacity	State (good/requires maintenance)	Own/Leased
1				
2				
...				

TABLE 4: Availability of personnel to perform the required works:

#	Name	Position	Qualifications	Work experience, years	Status: temporary/permanent
1					
2					
...					

TABLE 5: Implementation Schedule:

#	Work Description	Duration	Start Date	End Date
1				
2				
...				

TABLE 6: Price offer – Annex III

Item No.	Description/Specification of Works	Units	Size/ Quantity	Latest Delivery Date	Unit Price, Currency (excl. VAT)	Total Price per Item, Currency (excl. VAT)
1	2	3	4	5	6	7
1. Clearing pond №2						
1.1.	Soil excavation	1000 m ³	6.3			
1.2	Earth removal up to 1 km	t	8820			
1.3	Dewatering	hours	88			
2. Clearing pond №3						
2.1	Soil excavation	1000 m ³	5.84			
2.2	Earth removal up to 1 km	t	8176			
2.3	Dewatering	hours	80			
3. Clearing pond №4						
3.1	Soil excavation	1000 m ³	8.32			
3.2	Earth removal up to 1 km	t	11648			
4. Clearing pond №5						
4.1	Soil excavation	1000 m ³	7.84			
4.2	Earth removal up to 1 km	t	10976			
5. Repair of tubular regulator with passageway						
5.1	Dismantling of pipelines from ferro-concrete socket pipes Ø 500 mm	100 m	0,1			
5.2	Assembly of pipelines from ferro-concrete socket pipes Ø 600 mm	100 m	0, 1			
5.3	Reinforced concrete pipes ТБ 60.50-2, nominal bore diameter 600 mm	м	10			
5.4	Installation of foundation blocks, base plates	100 m ³	0,0096			
5.5	Block ОГ - 10	pcs	8			
5.6	Installation of walls, openings, diaphragms, heads with laying of joints with cement mortar	100 m ³	0,0338			

Item No.	Description/Specification of Works	Units	Size/ Quantity	Latest Delivery Date	Unit Price, Currency (excl. VAT)	Total Price per Item, Currency (excl. VAT)
1	2	3	4	5	6	7
5.7	ОП – 6 series 3,006.1-2.87 issue 0-2	pcs	2			
5.8	Slope protection by slabs and joint grouting by weight of up to 1 t, 10 cm in thickness	100 m ³	0,02			
5.9	Slabs ПП 10*15	pcs	8			
5.10	Slabs ПП 510	pcs	2			
5.11	Assembly of flat sliding shutters and wheel clearance gates, up to 1 t in weight	T	0,146			
5.12	Parts of the flat wheel emergency repair shutter, steel grade C255	T	0,146			
6. Repair of tubular regulator with passageway						
6.1	Dismantling of pipelines from ferro-concrete socket pipes Ø 500 mm	100 m	0,1			
6.2	Assembly of pipelines from ferro-concrete socket pipes Ø 600 mm	100 m	0, 1			
6.3	Ferro-concrete pipes ТБ 60.50-2, nominal bore diameter 600 mm	m	10			
6.4	Installation of foundation blocks, base plates	100 m ³	0,0096			
6.5	Block ОГ - 10	pcs	8			
6.6	Installation of walls, openings, diaphragms, heads with laying of joints with cement mortar	100 m ³	0,0338			
6.7	ОП – 6 series 3,006.1-2.87 issue 0-2	pcs	2			
6.8	Slope protection by slabs and joint grouting by weight of up to 1 t, 10 cm in thickness	100 m ³	0,024			
6.9	Slabs ПП 10*15	pcs	8			
6.10	Slabs ПП 510	pcs	2			

Item No.	Description/Specification of Works	Units	Size/ Quantity	Latest Delivery Date	Unit Price, Currency (excl. VAT)	Total Price per Item, Currency (excl. VAT)
1	2	3	4	5	6	7
6.11	Assembly of flat sliding shutters and wheel clearance gates, up to 1 t in weight	T	0,146			
6.12	Parts of the flat wheel emergency repair shutter, steel grade C255	T	0,146			
7.	Other (please specify)					
	Total Price excl. VAT					
	VAT (if applicable)					
	Total Final and All-Inclusive Price Quotation					

TABLE 7: Offer to Comply with Other Conditions and Related Requirements

Other Information pertaining to our Quotation are as follows:	Your Responses		
	<i>Yes, we will comply</i>	<i>No, we cannot comply</i>	<i>If you cannot comply, pls. indicate counter proposal</i>
We are ready to ensure correspondence of the services provided to the requirements of TOR			
Services under deliverables 1-3 will be provided till 15.04.2019			
Validity of Quotation (min. 60 days)			
All Provisions of the UNDP General Terms and Conditions. http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html			

All other information that we have not provided automatically implies our full compliance with the requirements, terms and conditions of the RFQ.

[Name and Signature of the Supplier's Authorized Person]
[Designation]
[Date]