REQUEST FOR QUOTATION (RFQ)

Company's name and address	DATE: 20 June 2020
	REFERENCE: RFQ/049/20 – SUPPLY OF LABORATORY EQUIPMENT FOR SRIIWP

Dear Sir / Madam:

We kindly request you to submit your quotation for supply of laboratory equipment, as detailed in Annex 1 of this RFQ. When preparing your quotation, please be guided by the form attached hereto as Annex 2.
Quotations must be submitted on or before **06 JULY 2020, prior to 18.00 (Tashkent time, GMT 5+)** via e-*mail*, or *courier mail* to the address below:

United Nations Development Programme
4, T. Shevchenko Street, Tashkent city, 100029, Republic of Uzbekistan
Procurement Unit
Electronic version of your quotation must be sent to bids.uz@undp.org[1]

Quotations submitted by email must be limited to a maximum of **15MB**, virus-free and no more than 3 email transmissions. They must be free from any form of virus or corrupted contents, or the quotations shall be rejected. The following must be on the subject of email with your quotation to be sent to bids.uz@undp.org:
RFQ/049/20 – SUPPLY OF LABORATORY EQUIPMENT FOR SRIIWP [2]

In case you submit your Quote in paper, all the documentation must be sealed (envelop) and delivered to the address above with the following information on the face-sheet:
«TO: UNDP in Uzbekistan
ATTENTION: PROCUREMENT UNIT
SEALED QUOTE: **RFQ/049/20**
BIDDER [*name and address*]
DEADLINE: **06 JULY 2020, prior to 18:00** (Tashkent time, GMT+5)
Do NOT open at the entrance! »

It shall remain your responsibility to ensure that your quotation will reach the address above on or before the deadline. 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 good/s:

[1] *Quotations submitted to other email accounts will not be accepted and will be declined.*

[2] *Email submission that will not contain this subject or without reference to subject tender will not be opened and will be declined.*

Delivery Terms [INCOTERMS 2020]	☒ **CIP- Tashkent.** The goods must be addressed to UNDP in Uzbekistan with the list of document indicated below. *In order to simplify customs clearance of the goods it would be highly desirable to send the goods in one cargo at once.	
Customs clearance, if needed, shall be done by	☒ UNDP	
Distribution of shipping documents	The minimum list of supporting documentation: invoice (2 originals), packing list (2 originals), certificate of origin (2 originals), ISO certificates (if applicable), as well as all other documents confirming the origin and quality of the goods in accordance with INCOTERMS 2020, necessary for customs clearance in the Republic of Uzbekistan.	
Latest Expected Delivery Date and Time	☒ 100 calendar days from the date of Contract/PO signature by the sides.	
Delivery Schedule	☒ Required.	
Mode of Transport	☒ Land ☒ Air	☒ Other
Preferred Currency of Quotation	☒ Local Currency: Uzbekistan So'm (UZS) to local Bidders (registered in Uzbekistan); ☒ United States Dollars or Euro to foreign Bidders (registered outside of Uzbekistan).	
Value Added Tax on Price Quotation	☒ Applicable to local Bidders: If the bidder is a VAT payer in accordance with the legislation of the Republic of Uzbekistan, the proposal must include VAT, in a separate line; Price comparison will be conducted excluding VAT. ☒ Applicable to foreign Bidders: The offer shall not include VAT and other applicable indirect taxes.	
After-sales services required	☒ Warranty on Parts and Labor for minimum period of 24 calendar months; ☒ Provision of Service Unit when pulled out for maintenance/ repair within 24 calendar months.	
Deadline for the Submission of Quotation	06 July 2020, prior to 18:00 (Tashkent time, GMT +5).	
All documentations, including catalogs, instructions and operating manuals, shall be in this language	☒ Russian and/or ☒ English Documents submitted in a language other than Russian or English must be translated into Russian and/or English and submitted upon request by UNDP.	

List of mandatory documents to be submitted by Offeror's together with their Quotations by the deadline set above	☒ Duly Accomplished Form as provided in **Part 1 of Annex 2**, and in accordance with the list of requirements in **Annex 1**; ☒ Declaration of owners' interest in other companies using form provided in **Part 2 of Annex 2**; ☒ Company's profile with detailed information (name of the company, address, contact details etc.) using form provided in **Part 3 of Annex 2**; ☒ Contact details (email, telephone, website) of clients whom the bidder supplied laboratory equipment in the last 3 years using form provided in **Part 4 of Annex 2**; ☒ At least 2 contracts for supply of laboratory equipment; ☒ Verified copy of the latest valid business registration certificate of the Bidder's company[3]; ☒ Quality Certificates (ISO, etc.) and Compliance Certificate (if applicable), Catalogue with details description of offered product with pictures; ☒ Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division list or other UN Ineligibility List.
List of documents to be requested by UNDP additionally from the three lowest priced bid Offerors[4]	☒ (a) Copy of Financial Reports (balance sheet) for the last two years, verified by a third party (tax agency, audit company or other authorized body); OR (b) a bank statement from Offeror's bank, issued not more than 30 days prior the bid submission or quotation date, stating that the Bidder has available or has access to liquid assets (asset that can be readily converted to cash) necessary to meet the obligations/supply cash flow for the contract of not less than Offeror's bid value.
Period of Validity of Quotes starting the Submission Date	☒ 90 calendar days after deadline for submission of quotation 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.
Payment Terms	**To Local Bidders:** ☒ Shall be made in Uzbek Soums by means of bank transfer: 100% post-payment upon delivery of technique to the exact delivery address, signing acceptance act and Tax-invoice; **To Foreign Bidders:** ☒ Shall be made in US Dollars or Euro by means of bank transfer: 100% post-payment upon delivery of technique to the exact delivery address.

[3] *Verified by the signature of the authorized Offeror's representative and Offeror's company stamp/seal*

[4] *Non-provision of any of additionally requested documents provided in this section will serve as a ground for disqualification of the Offer*

Liquidated Damages	Will be imposed under the following conditions: ☒ Penalty will be applied as percentage of contract price per day of delay: 0.1%, but up to maximum 20% of total contract value; ☒ Next course of action: penalty and termination of contract and return of advance payment if applicable
Evaluation Criteria	☒ Technical responsiveness/Full compliance to requirements and lowest price; ☒ Strong financial position: (a) Liquidity ratio for the last two years not less than 1 if financial statements are presented; OR (b) Confirmation from bank on financial strength of the Offeror as per requirement outlined above; ☒ Full acceptance of the PO/Contract General Terms and Conditions; ☒ Comprehensiveness of after-sales services and warranty; ☒ At least 2 contracts for supply of laboratory equipment successfully performed in the last 3 years; ☒ Demonstrated availability of a permanent office reachable via landline telephone and permanent staff of at least 5 persons.
UNDP will award Contract/PO to	☒ One supplier. UNDP will not consider offers, which include subcontracting.
Type of Contract to be Signed	☒ Contract/Purchase Order for supply of Goods.
Special conditions of Contract	☒ Cancellation of PO/Contract if amount of penalty for delay in delivery exceeds 20% of the total contract/PO value.
Conditions for Release of Payment	☒ Written Acceptance of Goods based on full compliance with RFQ requirements; ☒ Submission of certificate of quality (ISO and etc.), compliance (if applicable) and warranty.
Annexes to this RFQ	☒ Specifications of the Goods Required (Annex 1); ☒ Form for Submission of Quotation (Annex 2); ☒ General Terms and Conditions / Special Conditions: https://www.undp.org/content/undp/en/home/procurement/business/howwe-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)	UNDP CO Uzbekistan, Procurement Unit 4, T. Shevchenko Street, Tashkent city 100029, Uzbekistan Fax: (+998 78) 1203485 Email: pu.uz@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.
Post-qualification Actions	☒ Verification of accuracy, correctness and authenticity of the information provided by the bidder on the legal, technical and financial documents submitted; ☒ Inquiry and reference checking with Government entities with jurisdiction on the bidder, or any other entity that may have done business with the bidder;

	☒ Inquiry and reference checking with other previous clients on the quality of performance on ongoing or previous contracts completed; ☒ Physical inspection of the bidder's plant, factory, branches or other places where business transpires, with or without notice to the bidder.
Other	Offers submitted by two (2) or more Offerers shall all be rejected if they are found to have any of the following: a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or c) they have the same legal representative for purposes of this RFQ; d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Offer of, another Offerer; or e) they are subcontractors to each other's Offer, or a subcontractor to one Offer also submits another Proposal under its name as lead Offerer; or f) an expert proposed to be in the team of one Offerer participates in more than one Offer received for this RFQ process. This condition does not apply to subcontractors being included in more than one Offer.

Goods 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 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/procurement/protest.shtml.
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: http://www.un.org/depts/ptd/pdf/conduct_english.pdf.
Thank you and we look forward to receiving your quotation.

Sincerely yours,

Procurement Unit
UNDP in Uzbekistan

ANNEX 1

TECHNICAL SPECIFICATIONS

The requested laboratory equipment will be used to equip the laboratory of the Scientific Research Institute of Irrigation and Water Problems of Uzbekistan .

№	Name/purpose	Specification		Quantity
		Description	**Significative**	
1.	**HYDROMETRIC PROPELLER TYPE FLOW METER FOR MEASURING OF FLOW VELOCITY, WITH INSTALLED SIGNAL CONVERTER** Assigned to measure the water flow velocity in open natural and artificial channels. The signal converter is used as a sensor that converts the flow speed into the pulse frequency of the output signal.	Hydrometric propeller with a rotor diameter of 70 and 120 mm		**1**
		Range of flow speed measurements, m/s: with a rotor diameter 70mm, m/s with a rotor diameter 120 mm, m/s	 0,03 - 5,00 0,06 - 5,00	
		Range of number of the output signals indication and registration up to, revolution	10000	
		The relationship between the rotational speed of the propeller and the frequency of the output signals	1:1	
		Measurement time is not less than, s	60	
		Supply voltage within, V	2,4 - 3,5	
		Atmosphere air temperature range,	-40…+40°C	
		Water temperature range,	from 1 to 30°C	
		Water flow turbidity up to, g/m3	10000	
		Passport, calibration certificate		
2.	**LABORATORY STAND FOR RESEARCH OF HYDRAULIC PUMPING EQUIPMENT** Assigned for: determining of working and cavitation characteristics of a centrifugal pump; study of pumping unit characteristics at in series switching of pumps; studies of at parallel switching of pumps; coordination of pump and network characteristics; determination of optimal operation mode. Two subsystems are installed on the frame of supporting structure: hydraulic and electric. The hydraulic subsystem is designed with water circulation (connection to water supply and sewage systems is not required). Information-measuring system allows to measure pressure, water discharge and power at the inputs of electric motor. The results are displayed on an electronic scoreboard.	On the stand installed:		**1**
		Two pump units containing a centrifugal pump and a three-phase asynchrony motor.		
		A tank for water for providing water to the hydraulic system of the stand with 220dm^3 capacity		
		Pipelines with shut-off and control device		
		Energy supply system with power consumption no more, V	3,5	
		Supply voltage of pressure sensors no more, V	24	
		Range of measured pressure in the system, MPa	from –0,1 to +0,4	
		Fluid	Water	
		Energy supply, V	220	
		Passport of the device, a set of methodological and technical documentation for laboratory work, software. **REMARK: This laboratory stand requires specific assembly and installation, hence, it is required to include instructions for assembly, installation and testing, as well as provide contacts of a specialist-consultant (Russian-speaking) for online consultation at assembly and commissioning.**		
3.	**TENSOMETRIC SENSOR**	Output type	digital	**6**
		Accuracy.	500 — 10 000	

	Assigned for: establishing of strength indicators of the tense-deformed state of various constructive elements of hydraulic structures; study of physical properties of materials, deformations and tensions in the structures; measuring of mechanical values transformed into deformation of elastic elements.	Measurement error no more, %	0,023	
		The atmosphere temperature, degree	from -20 to +50	
		Documents: Passport, certificate		
4.	**UNIVERSAL TESTING MACHINE (UIM) FOR BREAK AND TENSION** For use in the following tests: - to determine the physical and mechanical properties of various materials; - tests of materials for tension, compression, bending, shear, torsion; - determine the deformation, elasticity, plasticity; - conduct static tests and determine the physical properties of materials for axial tension, compression, bending.	**UIM properties:**		**1**
		The maximum strength of the test is not less, кН	600	
		Relative error of test force, no more	≤±1%	
		Type of clamp	Hydraulic	
		Round sample-adapter 1 piece, mm	13 ~ 40	
		Flat sample-adapter 1 piece, mm	15-30	
		Width of flat sample not less, mm	80	
		Maximum tension test space no less, mm	550	
		Maximum compression test space no less than, mm	500	
		Motor capacity not less, kWt	2	
		Column break no less, mm	450	
		Maximum piston stroke no less than, mm	200	
		Speed of piston stroke no less than, mm/min	80	
		Round sample jaws diameter, mm	13-26 (1 pcs.) 26-40 (1 pcs.)	
		Flat jaws sample, mm	15-30 (1 set)	
		Documents: passport, certificate, instruction manual **REMARK: This laboratory stand requires specific assembly and installation, hence, it is required to include instructions for assembly, installation and testing, as well as provide contacts of a specialist-consultant (Russian-speaking) for online consultation at assembly and commissioning**		
5.	**LABORATORY ABRASING CIRCLE (LAC)** To determine the abrasion of concrete structures with a dry abrasive, wear resistance of unglazed ceramic tiles	LAC characteristics:		**1**
		Drive power not less, kWt	0,55	
		Power supply, W	220	
		The number of revolutions of a disk not less, revolutions per minute	28	
		The path of sample during abrasion is not less, m	150	
		The load on the sample not less, MPa	0,06	
		Passport, certificate, user (operation) manual		
6.		CWRD technical features:		**1**
		Overpressure range within, MPa	0,2 - 1,2	

	CONCRETE WATER RESISTANCE DETERMINING DEVICE (CWRD) For testing concrete sample-cylinders for water tightness using the "wet spot" method and filtration coefficient that will allow ton identify an optimal composition of "hydrophobic concrete", which will ensure high-quality repair and restoration measures. The case includes a humidity sensor, USB cable, CD with software.	Water pressure at loading steps within, MPa	0,2-1,2	
		Maintaining pressure deviation at the loading stage is not more than, %	3	
		The number of samples tested in one time not less, pieces	6	
		Range of time intervals specified at each stage of loading, min	30 - 960	
		Circulating water supply with a volume in the tank at least, l	10	
		Capacity not less than, kWt	1,5	
		Power supply, V	220	
		Passport, certificate, user (operation) manual		
7.	**DRILLING RIG FOR CONCRETE SAMPLING** For drilling of samples from concrete and reinforced concrete structures. The kit includes an adapter for drill bits and tongs for sampling with length up to 80cm.	Drilling rig:		
		Engine power (petrol, two stroke) not less, kW	3	
		Shaft rotation frequency, rev/min	from 100 to 600	
		Corrugated hose for discharging exhaust gases with length	4	
		Pressure tank for water with a capacity at least, l	10	**1**
		Water hose length of not less than, m	3	
		Drill bits for concrete, reinforced concrete with a diameter within, mm	70 (1 pcs) 100 (1 pcs) 150 (1 pcs) 200 (1 pcs)	
8.	**ULTRASONIC DEFECTOSCOPE FOR CONCRETE CONTROL** To measure the thickness of concrete products, to search for contaminants/inclusions, cavities and cracks inside products and structures made of reinforced concrete, stone and similar materials with one-sided access, and to study the internal structure of coarse-grained materials by non-destructive method.	The maximum depth of visualization of echo-signals at controlling by shear waves up to, mm	2150	
		Maximum duration of signals visualized on the device screen up to, μs	1600	
		The maximum controlled and measured concrete thickness, mm	600	
		Minimum diameter of cylindrical type defect at drilling, mm	10	
		Measurement accuracy of thickness and bedding depth of defects no more, %	10	
		Maximum surface area to be controlled, m^2	2	**1**
		Ultrasound speed setting range, m/s	1000÷9999	
		Amplitude of the probe signal within, V	20 – 200	
		Pulse frequency, Hz	1÷50	
		Power	Built-in battery	
		The time of continuous operation of device from the battery without indicator backlight, at least	15 h	
		Operating temperature range	-20÷+45°C	
		Passport, certificate, user (operation) manual		
9.	**CLIMATE CAMERA**	Humidity range (relative) within, %	30... 95	**1 1**

	To simulate aggressive environmental conditions affecting the product, and to create critical temperature effects on the sample, which allows efficient selection of chemicals at composition of weather-resistant material, like concrete for hydraulic purposes.	Temperature accuracy	±0,1	
		Humidity accuracy	±0,1	
		Heating up time no more, min (from –20 to 80°C)	35	
		Cooling time no more, min (from+20 to -20°C)	45	
		Temperature range, degree	- 40 ... +80	
		Power supply, V	220	
		Passport, certificate, user (operation) manual		
10.	**DRYING CUPBOARD WITH AUTOMATIC REGULATION AND TEMPERATURE SUPPORT** for laboratory analysis of soil and water, drying and heat treatment of dishes or other components used in the laboratory	Working camera volume, l	80	**1**
		Temperature range, °C	+50...+200	
		Heating time to maximum temperature no more, min	30	
		Maximum deviations of the temperature in the camera from the adjusted temperature no more than, degree	± 10	
		Continuous operation time not less, hour	16	
		Power supply, V	220	
		Installed capacity no more, kW	1,6	
		The temperature during operation, degree	+10...+35	
		Passport, certificate, user (operation) manual		
11.	**GAS POWER CUTTERS** Designed for cutting concrete, pipes, asphalt and metals, sampling at existing water facilities for further testing to identify the technical parameters	Output power not less, kW	4,8	**1**
		Cylinder displacement not less, sm3	94	
		Blade diameter, mm	300--400	
		Cutting depth within, mm	100-145	
		Sound pressure at the operator's ear no more, dB	105	
		Sound power no more, dB	115	
		Passport, certificate, user (operation) manual		
12.	**ECHO SOUNDER WITH GPS** For bathymetric measurements of reservoirs, surveys and cartography in order to clarify siltation volumes and determine the useful volume of reservoirs. .	Echo characteristics:		**1**
		Frequency no more, KHz	200	
		Maximum transmission power no more, W	500	
		Sound range, m	0,2~300	
		Sounding accuracy at 1 cm resolution, mm	± 10 + 0.1%	
		Adjustment range, m	0 ~ 15	
		Range of sound speed adjustment within, m / s	1200-1800	
		Maximum discretization frequency up to, Hz	30	
		GPS module:		
		Track no less	14	

		Signal	GPS + beacon	
		Accuracy no more, m	0,5	
		PC:		
		Dual core processor, at least, GHz	1,6	
		Memory not less, GB	2	
		Display resolution not less than, inches	17”	
		Hard disk not less, GB	16	
		USB port not less	3	
		Power supply, V	220	
		Power consumption less, V	30	
		Temperature, degree	-20~+50℃	
		Passport, certificate, user (operation) manual		
13.	**SPECTROPHOTOMETER** To determine the substances concentration in water and water extracts from the soil. The package also includes a spectrophotometer for: universal cuvetole holder, - cuvette holder for 10x10 mm cuvettes, - power cord, dust cover, halogen spare lamp, plug adapter (3 pcs), glass cuvettes (4 pcs), quartz cuvettes (2 pcs), cable for connecting to a PC, verification certificate and user manual, verification procedure.	Spectral range, nm	190-1100	**1**
		The measuring range of the spectral transmittance,%	from 0,1 to 99	
		The range of indications of spectral transmittance, nm	from 0 to 200	
		Range of optical density indications, B	from -0,3 to 3,0	
		Accuracy at measurements	±0,5	
		The spectral width of the slit, nm	0,5-5	
		Drift of indications no more, B / h	±0,001	
		Deviation of the zero line from the average (in range from 300 to 800 nm), B, no more	±0,001	
		Scattered light level (at λ = 340 nm),%, no more	0,05	
		Power supply, V	220	
		Atmosphere temperature range, degrees	from 15 to 30	
14.	**AQUADISTILLATOR** For the production of distilled water, to use in the laboratory for chemical analysis of soil, water, and other types of analyzes, the reagents preparation, preparation of chemical glassware for analysis, etc.	Productivity at least dm^3/h	4 ± 10%	**1**
		Power supply, V	220	
		Power consumption, KWt	3,0 ± 10 %	
		Water for cooling and consumption, no more, dm^3/h	40	
		Unit consumption of raw water per 1 dm^3 of the produced water no more, dm^3	25	
		The operating mode time is not more, min	30	
		The water purification coefficient from radionuclides, not less	3000	
		Passport, certificate, user (operation) manual		

ANNEX 2

FORM FOR SUBMITTING SUPPLIER'S QUOTATION

(This Form must be submitted only using the Supplier's Official Letterhead/Stationery)

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/049/20:**

TABLE 1: SUPPLY OF LABORATORY EQUIPMENT FOR SRIIWP

№	Item/s to be Supplied	Q-ty	Unit Price Indicate currency of your quote (UZS/USD/EUR)	Total Price Indicate currency of your quote (UZS/USD/EUR)
1	**HYDROMETRIC PROPELLER TYPE FLOW METER FOR MEASURING OF FLOW VELOCITY, WITH INSTALLED SIGNAL CONVERTER**	**1**		
2	**LABORATORY STAND FOR RESEARCH OF HYDRAULIC PUMPING EQUIPMENT**	**1**		
3	**TENSOMETRIC SENSOR**	**6**		
4	**UNIVERSAL TESTING MACHINE (UIM) FOR BREAK AND TENSION**	**1**		
5	**LABORATORY ABRASING CIRCLE (LAC)**	**1**		
6	**CONCRETE WATER RESISTANCE DETERMINING DEVICE (CWRD)**	**1**		
7	**DRILLING RIG FOR CONCRETE SAMPLING** (including drill bits for concrete, reinforced concrete **4 pcs.**)			
8	**ULTRASONIC DEFECTOSCOPE FOR CONCRETE CONTROL**	**1**		
9	**CLIMATE CAMERA**	**1**		
10	**DRYING CUPBOARD WITH AUTOMATIC REGULATION AND TEMPERATURE SUPPORT**	**1**		
11	**GAS POWER CUTTERS**	**1**		
12	**ECHO SOUNDER WITH GPS**	**1**		
13	**SPECTROPHOTOMETER**	**1**		
14	**AQUADISTILLATOR**	**1**		
	Total Prices of Goods			
	Cost of Transportation			
	Cost of Insurance			
	Other Charges ***(pls. specify)***			
	VAT (***if applicable to local suppliers only***)			
	Total Final and All-Inclusive Price Quotation			

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

TABLE 2: TABLE OF TECHNICAL COMPLIANCE OF THE OFFERED GOODS

Parameters	Description / Specifications of Goods (required)	Description / Specifications of Goods (offered) ***Please indicate parameters of the offered goods***
1. HYDROMETRIC PROPELLER TYPE FLOW METER FOR MEASURING OF FLOW VELOCITY, WITH INSTALLED SIGNAL CONVERTER		
Assigned to measure the water flow velocity in open natural and artificial channels. The signal converter is used as a sensor that converts the flow speed into the pulse frequency of the output signal.		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
Hydrometric propeller with a rotor diameter 70 and 120 mm		
Range of flow speed measurements, m/s: with a rotor diameter 70mm, m/s with a rotor diameter 120 mm, m/s	0,03 - 5,00 0,06 - 5,00	
Range of number of the output signals indication and registration up to, revolution	10000	
The relationship between the rotational speed of the propeller and the frequency of the output signals	1:1	
Measurement time is not less than, s	60	
Supply voltage within, V	2,4 - 3,5	
Atmosphere air temperature range,	-40…+40°C	
Water temperature range,	from 1 to 30°C	
Water flow turbidity up to, g/m3	10000	
2. LABORATORY STAND FOR RESEARCH OF HYDRAULIC PUMPING EQUIPMENT		
Assigned for: determining of working and cavitation characteristics of a centrifugal pump; study of pumping unit characteristics at in series switching of pumps; studies of at parallel switching of pumps; coordination of pump and network characteristics; determination of optimal operation mode. Two subsystems are installed on the frame of supporting structure: hydraulic and electric. The hydraulic subsystem is designed with water circulation (connection to water supply and sewage systems is not required). Information-measuring system allows to measure pressure, water discharge and power at the inputs of electric motor. The results are displayed on an electronic scoreboard.		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
Two pump units containing a centrifugal pump and a three-phase asynchrony motor.		
A tank for water for providing water to the hydraulic system of the stand with 220dm^3 capacity		

Pipelines with shut-off and control device		
Energy supply system with power consumption no more, V	3,5	
Supply voltage of pressure sensors no more, V	24	
Range of measured pressure in the system, MPa	from –0,1 to +0,4	
Fluid	Water	
Energy supply, V	220	
3. TENSOMETRIC SENSOR		
Assigned for: establishing of strength indicators of the tense-deformed state of various constructive elements of hydraulic structures; study of physical properties of materials, deformations and tensions in the structures; measuring of mechanical values transformed into deformation of elastic elements.		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
Output type	digital	
Accuracy.	500 — 10 000	
Measurement error no more, %	0,023	
The atmosphere temperature, degree	from -20 to +50	
4. UNIVERSAL TESTING MACHINE (UIM) FOR BREAK AND TENSION		
For use in the following tests: - to determine the physical and mechanical properties of various materials; - tests of materials for tension, compression, bending, shear, torsion; - determine the deformation, elasticity, plasticity; - conduct static tests and determine the physical properties of materials for axial tension, compression, bending		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
The maximum strength of the test is not less, кН	600	
Relative error of test force, no more	≤±1%	
Type of clamp	Hydraulic	
Round sample-adapter 1 piece, mm	13 ~ 40	
Flat sample-adapter 1 piece, mm	15-30	
Width of flat sample not less, mm	80	
Maximum tension test space no less, mm	550	
Maximum compression test space no less than, mm	500	
Motor capacity not less, kWt	2	
Column break no less, mm	450	
Maximum piston stroke no less than, mm	200	
Speed of piston stroke no less than, mm/min	80	
Round sample jaws diameter, mm	13-26 26-40	
Flat jaws sample, mm	15-30	

5. LABORATORY ABRASING CIRCLE (LAC)		
To determine the abrasion of concrete structures with a dry abrasive, wear resistance of unglazed ceramic tiles		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
Drive power not less, kWt	0,55	
Power supply, W	220	
The number of revolutions of a disk not less, revolutions per minute	28	
The path of sample during abrasion is not less, m	150	
The load on the sample not less, MPa	0,06	
6. CONCRETE WATER RESISTANCE DETERMINING DEVICE (CWRD)		
For testing concrete sample-cylinders for water tightness using the "wet spot" method and filtration coefficient that will allow ton identify an optimal composition of "hydrophobic concrete", which will ensure high-quality repair and restoration measures. The case includes a humidity sensor, USB cable, CD with software.		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
Overpressure range within, MPa	0,2 - 1,2	
Water pressure at loading steps within, MPa	0,2-1,2	
Maintaining pressure deviation at the loading stage is not more than, %	3	
The number of samples tested in one time not less, pieces	6	
Range of time intervals specified at each stage of loading, min	30 - 960	
Circulating water supply with a volume in the tank at least, l	10	
Capacity not less than, kWt	1,5	
Power supply, V	220	
7. DRILLING RIG FOR CONCRETE SAMPLING		
For drilling of samples from concrete and reinforced concrete structures. The kit includes an adapter for drill bits and tongs for sampling with length up to 80cm.		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
Engine power (petrol, two stroke) not less, kW	3	
Shaft rotation frequency, rev/min	from 100 to 600	
Corrugated hose for discharging exhaust	4	

gases with length		
Pressure tank for water with a capacity at least, l	10	
Water hose length of not less than, m	3	
Drill bits for concrete, reinforced concrete with a diameter within, mm	70, 100, 150, 200 (1 pcs each)	
8. ULTRASONIC DEFECTOSCOPE FOR CONCRETE CONTROL		
Область применения: To measure the thickness of concrete products, to search for contaminants/inclusions, cavities and cracks inside products and structures made of reinforced concrete, stone and similar materials with one-sided access, and to study the internal structure of coarse-grained materials by non-destructive method.		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
The maximum depth of visualization of echo-signals at controlling by shear waves up to, mm	2150	
Maximum duration of signals visualized on the device screen up to, μs	1600	
The maximum controlled and measured concrete thickness, mm	600	
Minimum diameter of cylindrical type defect at drilling, mm	10	
Measurement accuracy of thickness and bedding depth of defects no more, %	10	
Maximum surface area to be controlled, m^2	2	
Ultrasound speed setting range, m/s	1000÷9999	
Amplitude of the probe signal within, V	20 – 200	
Pulse frequency, Hz	1÷50	
Power	Built-in battery	
The time of continuous operation of device from the battery without indicator backlight, at least	15 h	
Operating temperature range	-20÷+45°C	
9. CLIMATE CAMERA		
To simulate aggressive environmental conditions affecting the product, and to create critical temperature effects on the sample, which allows efficient selection of chemicals at composition of weather-resistant material, like concrete for hydraulic purposes.		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
Humidity range (relative) within, %	30... 95	
Temperature accuracy	±0,1	
Humidity accuracy	±0,1	
Heating up time no more, min (from –20	35	

to 80°C)		
Cooling time no more, min (from+20 to -20°C)	45	
Temperature range, degree	- 40 ... +80	
Power supply, V	220	
10. DRYING CUPBOARD WITH AUTOMATIC REGULATION AND TEMPERATURE SUPPORT		
Область применения: for laboratory analysis of soil and water, drying and heat treatment of dishes or other components used in the laboratory		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
Working camera volume, l	80	
Temperature range, °C	+50...+200	
Heating time to maximum temperature no more, min	30	
Maximum deviations of the temperature in the camera from the adjusted temperature no more than, degree	± 10	
Continuous operation time not less, hour	16	
Power supply, V	220	
Installed capacity no more, kW	1,6	
The temperature during operation, degree	+10...+35	
11. GAS POWER CUTTERS		
Designed for cutting concrete, pipes, asphalt and metals, sampling at existing water facilities for further testing to identify the technical parameters		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
Output power not less, kW	4,8	
Cylinder displacement not less, sm3	94	
Blade diameter, mm	300--400	
Cutting depth within, mm	100-145	
Sound pressure at the operator's ear no more, dB	105	
Sound power no more, dB	115	
12. ECHO SOUNDER WITH GPS		
For bathymetric measurements of reservoirs, surveys and cartography in order to clarify siltation volumes and determine the useful volume of reservoirs.		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
Echo characteristics:		
Frequency no more, KHz	200	

Maximum transmission power no more, W	500	
Sound range, m	0,2~300	
Sounding accuracy at 1 cm resolution, mm	± 10 + 0.1%	
Adjustment range, m	0 ~ 15	
Range of sound speed adjustment within, m / s	1200-1800	
Maximum discretization frequency up to, Hz	30	
GPS module:		
Track no less	14	
Signal	GPS + beacon	
Accuracy no more, m	0,5	
PC:		
Dual core processor, at least, GHz	1,6	
Memory not less, GB	2	
Display resolution not less than, inches	17”	
Hard disk not less, GB	16	
USB port not less	3	
Power supply, V	220	
Power consumption less, V	30	
Temperature, degree	-20~+50°C	
13. SPECTROPHOTOMETER		
To determine the substances concentration in water and water extracts from the soil. The package also includes a spectrophotometer for: universal cuvetole holder, - cuvette holder for 10x10 mm cuvettes, - power cord, dust cover, halogen spare lamp, plug adapter (3 pcs), glass cuvettes (4 pcs), quartz cuvettes (2 pcs), cable for connecting to a PC, verification certificate and user manual, verification procedure		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
Spectral range, nm	190-1100	
The measuring range of the spectral transmittance,%	from 0,1 to 99	
The range of indications of spectral transmittance, nm	from 0 to 200	
Range of optical density indications, B	from -0,3 to 3,0	
Accuracy at measurements	±0,5	
The spectral width of the slit, nm	0,5-5	
Drift of indications no more, B / h	±0,001	
Deviation of the zero line from the average (in range from 300 to 800 nm), B, no more	±0,001	
Scattered light level (at λ = 340 nm),%, no	0,05	

more		
Power supply, V	220	
Atmosphere temperature range, degrees	from 15 to 30	
14. AQUADISTILLATOR		
For the production of distilled water, to use in the laboratory for chemical analysis of soil, water, and other types of analyzes, the reagents preparation, preparation of chemical glassware for analysis, etc.		***Please indicate the following for the offered goods:*** *Model:____* *Manufacturer:____* *Country of origin:_____*
Productivity at least dm^3/h	4 ± 10%	
Power supply, V	220	
Power consumption, KWt	3,0 ± 10 %	
Water for cooling and consumption, no more, dm^3/h	40	
Unit consumption of raw water per 1 dm^3 of the produced water no more, dm^3	25	
The operating mode time is not more, min	30	
The water purification coefficient from radionuclides, not less	3000	

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

TABLE 3: OFFER TO COMPLY WITH OTHER CONDITIONS AND RELATED REQUIREMENTS

Other Information pertaining to our Quotation are as follows:	**Your Response**		
	Yes, we will comply	***No, we cannot comply***	***If you cannot comply, pls, indicate counter proposal***
Terms of supply of technique to the final destination (i.e. exact delivery address) within 100 calendar days from the date of signature of contract/PO.			
Specification compliance of each offered equipment.			
Country/ Countries of origin[5].			
Warranty and After-Sales Requirements:			
A) Minimum twelve (24) consecutive months warranty on each equiment.			
B) Service Unit to be Provided when the Purchased Unit is Under Repair in the territory of Uzbekistan			
C) Elimination of nonconformities and remarks during the warranty period, including delivery and replacement:			
Option a) replace with totally new machinery if the earlier delivered one does not correspond to technical specifications and/or beyond repair;			
Option b) Other (*pls, describe*).			
Proposal validity: 90 calendar days from the date of proposal disclosure			
All Provisions of the UNDP General Terms and Conditions			

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

[5] *If the country of origin of goods requires an export license for the goods supplied, or other documentation that may be required by the country of destination, the supplier must submit them to UNDP in case of award of a contract.*

PART 2: DECLARATION OF INTEREST

Dear Sir/Madam,

We/I, _____ (Name and Title), as shareholder(s)/owner(s) of _____ Company, declare that:

a) Have no financial and other interests in, association or relationship with, are not employed and do not have relatives (i.e. spouse, parents, children or siblings) employed by the United Nations Development Programme (UNDP) or the Government of Uzbekistan that announced the RFQ; and do not have access to information about, or influence on the selection process for this RFQ

b) Have no common controlling partner, director, shareholder, legal representative for the purposes of this RFQ with any other entity submitting its Quotation under this RFQ; are not subcontracting or are subcontractors to other entities for the purposes of this RFQ; and that the experts proposed in the team do not participate in more than one Quotation for this RFQ

c) Are not involved in activities that could have an impact on the objectivity and independence of the Contractor's team in carrying out its duties under the contract or can affect the image of the United Nations and the Government of Uzbekistan.

We certify that the information stated is true, correct and complete to the best of our knowledge and belief. We are obliged to comply with all requests for additional information, documentation, clarification and/or verification concerning the Declaration of Interest statement.

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

We submit that we are not being included in the UN Security Council 1267/1989 list, UN Procurement Division list or other UN Ineligibility List.

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

PART 3: COMPANY PROFILE

1. Offeror's Legal Name *[insert Bidder's legal name]*.		
2. In case of Joint Venture (JV), legal name of each party: *[insert legal name of each party in JV]*.		
3. Actual or intended Country/ies of Registration/Operation: *[insert actual or intended Country of Registration]*.		
4. Year of Registration in its Location: *[insert Bidder's year of registration]*.		
5. Countries of Operation:	6. No. of permanent staff in each Country:	7.Years of Operation in each Country:
8. Legal Address/es in Country/ies of Registration/Operation[6]: *[insert Bidder's legal address in country of registration]*.		
9. Value and Description of Top two (2) Biggest Contracts for the past three (3) years.		
10. Latest Credit Rating (Score and Source, if any).		
11. Brief description of litigation history (disputes, arbitration, claims, etc.), indicating current status and outcomes, if already resolved.		
12. Offeror's Authorized Representative Information Name: *[insert Authorized Representative's name]* Address: *[insert Authorized Representative's Address]* Telephone/Fax numbers: *[insert Authorized Representative's telephone/fax numbers]* Email Address: *[insert Authorized Representative's email address]*		
13. Are you in the UNPD List 1267.1989 or UN Ineligibility List? ☐ YES or ☐ NO		

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

[6]*You must specify address of permanent office, landline telephone numbers*

PART 4: EXPERIENCE IN SIMILAR NATURE*

Name of the good supplied	Delivery period (month, year)	Amount of the contract	Client (Name, contact person, telephone, email)

*****At least 2 contracts for the last 3 years for supply of laboratory equipment is a must

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