

REQUEST FOR QUOTATION (RFQ)

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

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 **04 AUGUST 2020**, **prior to 18.00** (**Tashkent time**, **GMT 5+**) via email, 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.org¹

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 - Reannouncement of 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 RE-ANNOUNCEMENT

BIDDER [name and address]

DEADLINE: **04 AUGUST 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.			
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 fr	om the date of Contract/PO signature by the sides.		
Delivery Schedule	⊠ Required.			
Mode of Transport	☐ Land ☐ Other ☐ Air			
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; ☑ Applicable to foreign Bidders: The offer shall not include VAT and other applicable indirect taxes. 			
After-sales services required				
Deadline for the Submission of Quotation	04 AUGUST 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 company³; ☑ 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 for each Lot or one supplier for two lots. 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
Remark	subcontractors being included in more than one Offer. 1) In order to simplify customs clearance of the goods it would be highly desirable
	 to send the goods in one cargo at once. 2) Positions 1.4 (from Lot#1), 2.1, 2.2 (from Lot#2) require specific assembly and installation, 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

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

TECHNICAL SPECIFICATIONS

The requested agricultural equipment/machinery will be used for works in agro-industrial complex

№	Nomo/numaga	Specification		Quantity
745	Name/purpose	Description	Significative	
		Lot 1.		
1.1.	HYDROMETRIC PROPELLER TYPE FLOW	Hydrometric propeller with a rotor diameter 70 and 120 mm		
	METER FOR MEASURING OF FLOW VELOCITY, WITH INSTALLED SIGNAL CONVERTER	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	
	Assigned to measure the water flow velocity in open natural and	Range of number of the output signals indication and registration up to, revolution	10000	
	artificial channels. The signal converter is used as a sensor that converts the flow speed into the pulse frequency of the output	The relationship between the rotational speed of the propeller and the frequency of the output signals	1:1	1
	signal.	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	
1.0	TENGO METERIC CENGOR	Passport, calibration certificate	11 11 1	
1.2.	TENSOMETRIC SENSOR Assigned for: establishing of	Output type	digital	
	strength indicators of the tense-	Accuracy. Measurement error no more, %	500 — 10 000 0,023	
	deformed state of various	The atmosphere temperature,	from -20 to +50	
	constructive elements of hydraulic	degree demosphere temperature,	110111 -20 to +30	
	structures; study of physical properties of materials, deformations and tensions in the structures; measuring of mechanical values transformed into deformation of elastic elements.	Documents: Passport, certificate		6
1.3.	LABORATORY ABRASING	LAC characteristics:		
	CIRCLE (LAC)	Drive power not less, kWt	0,55	
	To determine the abrasion of concrete structures with a dry	Power supply, W	220	
	abrasive, wear resistance of unglazed ceramic tiles	The number of revolutions of a disk not less, revolutions per minute	28	1
		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	ion) manual	
1.4.	CONCRETE WATER	CWRD technical features:		
	RESISTANCE	Overpressure range within, MPa	0,2 - 1,2	
	DETERMINING DEVICE (CWRD)	Water pressure at loading steps within, MPa	0,2-1,2	
	For testing concrete sample- cylinders for water tightness using the "wet spot" method and	Maintaining pressure deviation at the loading stage is not more than, %	3	
	filtration coefficient that will allow ton identify an optimal	The number of samples tested in one time not less, pieces	6	1
	composition of "hydrophobic concrete", which will ensure high-quality repair and restoration measures.	Range of time intervals specified at each stage of loading, min	30 - 960	
	The case includes a humidity sensor, USB cable, CD with	Circulating water supply with a volume in the tank at least, l	10	
	software.	Capacity not less than, kWt	1,5	
		Power supply, V	220	
		Passport, certificate, user (operati	ion) manual	
1.5.	DRILLING RIG FOR	Drilling rig:	1	
	CONCRETE SAMPLING	Engine power (petrol, two stroke) not less, kW	3	1
	For drilling of samples from concrete and reinforced concrete structures.	Shaft rotation frequency, rev/min	from 100 to 600	
	The kit includes an adapter for	Corrugated hose for discharging	4	1
	drill bits and tongs for sampling	exhaust gases with length	7	
	with length up to 80cm.	Pressure tank for water with a capacity at least, l	10	1
		Water hose length of not less than, m	3	1
		Drill bits for concrete, reinforced concrete with a diameter within, mm	70, 100, 150, 200	4 pcs.
1.6.	ULTRASONIC DEFECTOSCOPE FOR CONCRETE CONTROL	The maximum depth of visualization of echo-signals at controlling by shear waves up to, mm	2150	
	To measure the thickness of concrete products, to search for contaminants/inclusions, cavities	Maximum duration of signals visualized on the device screen up to, μs	1600	
	and cracks inside products and structures made of reinforced	The maximum controlled and measured concrete thickness, mm	600	1
	concrete, stone and similar materials with one-sided access,	Minimum diameter of cylindrical type defect at drilling, mm	10	1
	and to study the internal structure of coarse-grained materials by	Measurement accuracy of thickness and bedding depth of defects no more, %	10	
	non-destructive method.	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	
		Passport, certificate, user (operation) manual		
1.7.	CLIMATE CAMERA	Humidity range (relative) within, %	30 95	
	To simulate aggressive environmental conditions	Temperature accuracy	±0,1	
	affecting the product, and to create	Humidity accuracy	±0,1	
	critical temperature effects on the sample, which allows efficient	Heating up time no more, min (from –20 to 80°C)	35	1
	selection of chemicals at composition of weather-resistant material, like concrete for	Cooling time no more, min (from+20 to -20°C)	45	_
	hydraulic purposes.	Temperature range, degree	- 40 +80	
	injuranie purposes.	Power supply, V	220	
		Passport, certificate, user		
		(operation) manual	0.2	
.8.	DRYING CUPBOARD WITH	Working camera volume, 1	80	
	AUTOMATIC REGULATION AND TEMPERATURE	Temperature range, °C	+50+200	
	SUPPORT TEMPERATURE	Heating time to maximum temperature no more, min	30	
	for laboratory analysis of soil and water, drying and heat treatment of dishes or other components	Maximum deviations of the temperature in the camera from the adjusted temperature no more than, degree	± 10	1
	used in the laboratory	Continuous operation time not less, hour	16	1
		Power supply, V	220	
		Installed capacity no more, kW	1,6	
		The temperature during operation, degree	+10+35	
		Passport, certificate, user (operation) manual		
1.9.	GAS POWER CUTTERS	Output power not less, kW	4,8	
	Designed for cutting concrete, pipes, asphalt and metals,	Cylinder displacement not less, sm3	94	
	sampling at existing water facilities for further testing to	Blade diameter, mm	300400	
	identify the technical parameters	Cutting depth within, mm	100-145	1
	and the second parameters	Sound pressure at the operator's ear no more, dB	105	1
		Sound power no more, dB	115	
		5 10	110	
		Passport, certificate, user (operation) manual		
1.10.	ECHO SOUNDER WITH GPS	Echo characteristics:		1
1.10.	ECHO SOUNDER WITH GPS	Leno characteristics:		1

		Frequency no more, KHz	200	
	For bathymetric measurements of	Maximum transmission power no		
	reservoirs, surveys and	more, W	500	
	cartography in order to clarify	Sound range, m	0,2~300	
	siltation volumes and determine the useful volume of reservoirs.	Sounding accuracy at 1 cm resolution, mm	± 10 + 0.1%	
		Adjustment range, m	0 ~ 15	
		Range of sound speed adjustment	1200-1800	
		within, m / s	1200-1000	
		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	
		Passport, certificate, user (operation) manual		
1.11	SPECTROPHOTOMETER	Spectral range, nm	190-1100	
	To determine the substances concentration in water and water	The measuring range of the spectral transmittance,%	from 0,1 to 99	
	extracts from the soil. The package also includes a spectrophotometer for:	The range of indications of spectral transmittance, nm	from 0 to 200	
	universal cuvetole holder, - cuvette holder for 10x10 mm	Range of optical density indications, B	from -0,3 to 3,0	
	cuvettes, - power cord, dust cover, halogen spare lamp, plug adapter	Accuracy at measurements	±0,5	
	(3 pcs), glass cuvettes (4 pcs), quartz cuvettes (2 pcs), cable for	The spectral width of the slit, nm	0,5-5	1
	connecting to a PC, verification certificate and user manual, verification procedure.	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 $\lambda = 340$ nm),%, no more	0,05	
		Power supply, V	220	

		Atmosphere temperature range,	from 15 to	
		degrees	30	
1.12.	AQUADISTILLATOR	Productivity at least dm ³ /h	4 ± 10%	
	For the production of distilled	Power supply, V	220	
	water, to use in the laboratory for	Power consumption, KWt	3,0 ± 10 %	
	chemical analysis of soil, water, and other types of analyzes, the	Water for cooling and consumption, no more, dm ³ /h	40	
	reagents preparation, preparation of chemical glassware for analysis, etc.	Unit consumption of raw water per 1 dm³ of the produced water no more, dm³	25	1
		The operating mode time is not more, min	30	
		The water purification coefficient from radionuclides, not less	3000	
		Passport, certificate, user		
		(operation) manual		
		Lot 2.		
2.1.	LABORATORY STAND FOR	On the stand installed:		
	RESEARCH OF HYDRAULIC PUMPING EQUIPMENT	Two pump units containing a centri	fugal pump and a	
	Assigned for: determining of	three-phase asynchrony motor.		
	working and cavitation	A tank for water for providing water		
	characteristics of a centrifugal	system of the stand with 220dm ³ cap		
	pump; study of pumping unit	Pipelines with shut-off and control de	evice	
	characteristics at in series	Energy supply system with power	3,5	
	switching of pumps; studies of at	consumption no more, V		
	parallel switching of pumps; coordination of pump and network	Supply voltage of pressure sensors no more, V	24	
	characteristics; determination of	Range of measured pressure in the	from -0,1 to	
	optimal operation mode.	system, MPa	+0,4	1
	Two subsystems are installed on	Fluid	Water	1
	the frame of supporting structure:	Energy supply, V	220	
	hydraulic and electric. The	Passport of the device, a set of me		
	hydraulic subsystem is designed with water circulation (connection	technical documentation for laborato	ry work, software	
	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			
2.2	scoreboard.			
2.2.	UNIVERSAL TESTING	UIM properties:		
	MACHINE (UIM) FOR BREAK AND TENSION	The maximum strength of the test	600	
	For use in the following tests:	is not less, ĸH		
	- to determine the physical and	Relative error of test force, no more	<u>≤±1%</u>	1
	mechanical properties of various	Type of clamp	Hydraulic 12 40	
	materials;	Round sample-adapter 1 piece, mm	13 ~ 40	
		Flat sample-adapter 1 piece, mm	15-30 80	
		Width of flat sample not less, mm	δU	

- tests of materials for tension, compression, bending, shear,	Maximum tension test space no less, mm	550	
torsion; - determine the deformation,	Maximum compression test space no less than, mm	500	
elasticity, plasticity;	Motor capacity not less, kWt	2	
- conduct static tests and	Column break no less, mm	450	
determine the physical properties of materials for axial tension,	Maximum piston stroke no less than, mm	200	
compression, bending.	Speed of piston stroke no less than, mm/min	80	
	Round sample jaws diameter, mm	13-26	1 pcs.
	Round sample Jaws diameter, inin	26-40	1 pcs.
	Flat jaws sample, mm	15-30	1 set.
	Documents: passport, certificate, ins	truction manual	1set