



REQUEST FOR QUOTATION FOR LOW-VALUE GOODS

Date: 30 April 2019

Subject: Request for Quotation for Supply of soil and water quality and property monitor and control equipment

Ref: RFQ/022/19 Supply of soil and water quality and property monitor and control equipment

DEADLINE: Before 18.00 (GMT 5+), 14 May 2019

Pages: 9

Dear Sirs,

We kindly request that you provide a quotation for the goods described below.

ITEM #	DESCRIPTION	ITEM DESCRIPTION	UNIT OF MEASURE	Q-TY	PRICE IN [CURRENCY] (EXCLUSIVE OF VAT)									
					Unit Price	Total Price								
SOIL AND WATER QUALITY AND PROPERTY MONITOR AND CONTROL EQUIPMENT														
1	Combined portable pH, activity (active salts), moisture and temperature meter	<div><div><i>Delivery content</i></div><div><ul style="list-style-type: none">• Combined portable pH, activity (active salts), soil moisture and temperature meter• pH probe• Test solution for at least three (3) known pH values (100 ml each)• EC probe• Test solution for at least two (2) known EC values (50 ml each)• Activity measuring probe, stainless steel, 25 cm.• Insertion temperature and soil moisture sensor• Piercing pin• Spray bottle with snorkel (not less than 250 ml)• Gauged cup (50-100 ml)• Manual in Russian or English• Durable feather weight container</div></div> <div><div><i>Combined portable meter</i></div><div><table><tr><td>Housing</td><td>Splash -proof, rugged</td></tr><tr><td>Connectors</td><td>BNC and 8-pin plugs</td></tr><tr><td>Power</td><td>9V battery</td></tr><tr><td>Weight</td><td>No more than 500 g</td></tr></table></div></div>	Housing	Splash -proof, rugged	Connectors	BNC and 8-pin plugs	Power	9V battery	Weight	No more than 500 g	pcs	4		
Housing	Splash -proof, rugged													
Connectors	BNC and 8-pin plugs													
Power	9V battery													
Weight	No more than 500 g													

		<p>pH measurement</p> <p>Range 0-14 pH</p> <p>Resolution 0.01 pH</p> <p>Accuracy Not worse than 0.02 pH of measured value</p> <p>Calibration Automatic At least 3 points with different test solution</p> <p>Probe Gel field insertion probe (glass, ceramic) with ceramic diaphragms</p> <p>Application Direct pH measurement in soil, substrates and liquids</p> <p>EC measurement</p> <p>Range, mS 0-200</p> <p>Resolution, mS Not worse than 0.001-0.01</p> <p>Accuracy Not worse than $\pm 2\%$ of measured value</p> <p>Calibration Two (2) points recognition for test solutions</p> <p>Probe Plastic housing with platinum sensor</p> <p>Application Electrical conductivity measurement at liquids and solutions</p> <p>Soil active salts concentration (activity) measurement</p> <p>Range, g/l 0-10</p> <p>Resolution, g/l Not worse than 0.01</p> <p>Calibration Re calibration not needed</p> <p>Probe Stainless steel, length approx. 750 mm</p> <p>Application Direct measurement of soil salinity in soil and substrates</p> <p>Temperature measurement</p> <p>Range -20 +80°C</p> <p>Resolution 0.1 °C</p> <p>Accuracy Not worse that ± 1 °C</p> <p>Probe Combined with soil moisture sensor</p> <p>Soil moisture measurement</p> <p>Range 0-95%</p> <p>Accuracy Not worse than $\pm 2\%$</p> <p>Manual in English or Russian Yes</p>				
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2	pH&EC flow control (device to measure both conductivity and pH in flow)	<p>Measuring range pH 0-14 EC 0-200 mS/cm Total Dissolved Solids (TDS) 0-106000 ppm temperature -20 °...+80° C</p> <p>Resolution pH 0.01 EC 0.01 mS/cm TDS 1 ppm temperature 0.1 ° C</p> <p>Accuracy EC/TDS not worse than 2% of measured value temperature not worse than ± 0.5 °C</p> <p>Temperature compensation Yes, with embedded negative temperature coefficient (NTC) sensor</p> <p>pH calibration Automatic</p> <p>EC calibration Automatic</p> <p>EC probe EC plastic housing probe, 8 pin plugs with cable</p> <p>pH probe Gel filled pH electrode, coaxial (BNC) plug with cable</p> <p>Conversion factor automatic</p> <p>EC-TDS</p> <p>Power 9V with external power supply or 9V battery pack.</p> <p>Manual in English or Russian Yes</p>	<i>pcs</i>	3		
3	Compact photometer, complete case (incl photometer, accessories for sample preparation)	<p>Type LED photometer with at least three filters</p> <p>Wave length 385 ,450 and 660 nm required</p> <p>Accuracy Not worse than ± 2 nm</p> <p>Cuvette slot Round cuvettes 16 mm</p> <p>Memory At least 50 results</p> <p>Power 3 AA batteries with USB port available for power supplying</p> <p>Set of tests:</p> <p>Ammonium (0.1-2 mg/l NH₄-N) 50 tests yes</p> <p>Potassium (2-15 mg/l K +) 60 tests yes</p> <p>Nitrate (4-60 mg/l NO₃) 100 tests Yes</p> <p>Phosphate (0.2-5 mg/l PO₄ -P) 80 tests yes</p> <p>Set of tests. 20 tests of each:</p> <p>Ammonium (0.2-7 mg/l NH₄-N) tests yes</p> <p>Ammonium (1-40 mg/l NH₄-N) tests yes</p>	<i>pcs</i>	3		

		Potassium (2-50 mg/l K +) tests	Yes				
		Nitrate (2-100 mg/l NO ₃) 50 tests	yes				
		Phosphate (0.2-5 mg/l PO ₄ -P) tests	Yes				
		Phosphate (0.3-15 mg/l PO ₄ -P) tests	yes				
		Manual in English or Russian	Yes				
4	Drying cabinet (2 trays)	Outer casing material	Power coated steel	pcs	3		
		Interior material	Stainless steel				
		Interior capacity	Not less than 50 l				
		Microprocessor controller	yes				
		Embedded timer	yes				
		Over temperature protection	yes				
		Digital temperature setting with degree accuracy	yes				
		Operating temperature	+18 to +32°C				
		Temperature range	From + 5 to 220°C				
		Powering, nominal voltage (±10%)	230V 50/60 Hz				
		Nominal power	0.8 kW				
		Convention type	Natural				
		Number of trays	2				
		Maximal load per tray	8-10 kg				
		Manual in English or Russian	Yes				
5	Grain moisture meter with set of accessories	Accessories:		pcs	3		
		Digital scale	Yes				
		Measuring cup	Yes				
		Plastic case	Yes				
		User guide in English and/or Russian	Yes				
		Moisture meter:					
		Measuring rage	5 to 30%				
		Resolution	0.1% water content				
		Nominal sample weight	60 g				
		Temperature adjustable to C or F	Yes				
		Can be applied for any types of grain with protection against mould and resulting damage	Yes				
		Sample preparation is required	No				
		Menu is available in English or Russian	Yes				
		Manual in English or Russian	Yes				

6	Hydrometer with temperature	Type Measuring range: temperature humidity	Analog with synthetic hair 15 to 55 °C 0 to 100%	pcs	25		
7	Mini-max thermometer	Type Measuring range Housing	Mercury free, enabling both max and min temperature measurement -35 to +50°C Aluminum body	pcs	25		
8	Penetrometer	Type Measuring range Probes: Marking Dimension: Material Manual in English or Russian	Mechanical, two handled with dial plate 0-500 PSI or 0-3500 kPa or kN/m2 Yes, marks spacing through each 5 or 10 cm Not more than 1"x 1200 mm Stainless steel Yes	pcs	3		
9	Soil sampler with foot rest	Type Total length, mm Sampling depth, mm Sampler diameters: outer, mm inner, mm Material	Two handled with foot rest Not more than 1000 (810) Not less than 300 15-25 10-20 Stainless steel	pcs	3		
10	Spiral auger	Type Dimensions, mm Material	Two handled, spiral Not more than 1350x450x50 Stainless steel	pcs	3		
11	Electronic precise scale	Application: Capacity, kg Resolution, g Weighting platform: <i>Diameter, mm</i> <i>Material</i> Weighting units optional: <i>g</i> <i>kg</i>	Weighting, density determination, mole weighting No less than 5 Not worse than 0.1 Not less than 150 Stainless steel yes yes	pcs	3		

		<i>lb</i>	yes				
		<i>oz</i>	yes				
		<i>ml</i>	yes				
		Powering	Power supply or battery				
		Communication	RS 232, Ethernet, USB				
		Manual in English or Russian	Yes				
12	Moisture analyzer	Application:	Moisture analyzer is a laboratory measuring instrument intended to determine relative moisture content in samples of different substances.	pcs	3		
		Max sampling mass, g	200				
		Reading unit, mg	1				
		Repeatability of moisture readout, %	0.05 (sample 2 g) 0.01 (sample 10 g)				
		Linearity, mg	Not worse than ± 2				
		Accuracy of moisture readout, %	Not worse than 0.001				
		Tare range, g	-200				
		Selectable heating mode (standard, quick, stepwise, mild)	Yes				
		Heating module	IR emitter (max temperature 250°C)				
		Range of drying temperature, °C	Up to 250				
		Heating module energy consumption, W	No more than 600				
		Pan size, mm	Not less than 90x8				
		Display type	LCD with touch panel				
		Interfaces supported:					
		2XUSB	Yes				
		4 input/4 output	Yes				
		RS232	Yes				
		Ethernet not worse than 10/100 Mbit	Yes				
		Wireless module	Yes				
		Power supply	220÷240 V AC; 50÷60 Hz				
		Manual in English or Russian	Yes				
13	Set of cuvettes test				set	1	
		Nitrate LCK 329	Nitrate LCK340	Ammonium LCK303	Phosphate LCK 049		
	Element	NO ₃ -N	NO ₃ -N	NH ₄ -N	P ₂ O ₅		

Measuring range	0.23-13.5 mg/l	5-35 mg/l	2-47 mg/l	3-80 mg/l				
Pack content	50	50	25	25				
	Potassium LCK	Calcium LCK 327	Sulphate LCK 153	Carbonate LCK 388				
Element	K ₂ O	Ca	SO ₄	CO ₃				
Measuring range	8-50 mg/l	5-100 mg/l	40-150 mg/l	55-550 mg/l				
Pack content	24	25	25	25				
	Chloride LCK 311	Iron LCK 321	Zinc LCK 360	Magnesium LCK 326				
Element	Cl	Fe	Zn	Mg				
Measuring range	1-70 mg/l	0.2-6 mg/l	0.2-6 mg/l	0.5-50 mg/l				
Pack content	48	25	25	25				
	Total Prices of Goods							
	Transportation costs							
	Packing, Insurance and other costs							
	Other Charges (pls. specify)							
	Total All-Inclusive Bid Price							

Notes:

1. The bidders must quote genuine, branded products. UNDP may conduct post-delivery inspection at its sole discretions.
2. Sample of all items to be submitted with the bid response (as applicable).
3. Price to include delivery, installation/ testing/ commissioning (as applicable)
4. Site survey will be arranged on request (as applicable)
5. Brochures and Technical details of the model offered MUST be submitted with the bid offer (as applicable)

The UNDP General Terms and Conditions are an integral part of this RFQ and should be reviewed by all bidders.

<http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html>.

In submitting a quotation, bidders expressly accept to be bound by these General Terms and Conditions.

Any Purchase Order resulting from this process shall incorporate them in full.

Please submit your quotation by completing the right column of the form below:

UNDP Requirements	Bidder's Response
Validity of Offer: <input checked="" type="checkbox"/> 60 calendar days after deadline for submission of quotation <input type="checkbox"/> 90 days <input type="checkbox"/> 120 days	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Please explain in case of "No": _____
Warranty Period Offered (as applicable): <input checked="" type="checkbox"/> Minimum period of 12 months	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Please explain in case of "No": _____
Description of Warranty Coverage (as applicable): Warranty on Parts and Labor Brand new replacement if Purchased Unit is beyond repair.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Please explain in case of "No": _____

<p>Description of After Sales Service (as applicable):</p> <p>✓ Warranty on Parts and Labor for minimum period of 12 months</p> <p>✓ Technical Support. Distance (online/phone/fax/internet) technical support shall be provided during one year from the time of delivery excluding when warranty conditions are applied.</p> <p><input type="checkbox"/> Provision of Service Unit when pulled out for maintenance/repair</p> <p><input type="checkbox"/> Others</p>	<p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Please explain in case of "No": _____</p>
<p>Delivery Terms (linked to INCOTERMS 2010):</p> <p><input type="checkbox"/> FCA</p> <p><input type="checkbox"/> CPT</p> <p>✓ CIP Tashkent, Uzbekistan</p> <p><input type="checkbox"/> Other [specify]</p> <p>Customs clearance¹, if needed, shall be done by UNDP for only Foreign Suppliers (Company registered outside Uzbekistan)</p>	<p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Please explain in case of "No": _____</p>
<p>Payment Terms:</p> <p>To Local Supplier (Company registered in Uzbekistan):</p> <p><input checked="" type="checkbox"/> 15% advance payment and 85% final payment will be paid in Uzbek Soums (UZS) by bank transfer to the Supplier's account after delivery and acceptance of goods;</p> <p>To Foreign Suppliers (Company registered outside Uzbekistan):</p> <p><input checked="" type="checkbox"/> 100% payment will be by bank transfer to the Supplier's account after delivery and acceptance of goods</p>	<p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Please explain in case of "No": _____</p>
<p>Latest Delivery Date:</p> <p><input checked="" type="checkbox"/> Not more than 60 calendar days from day of signing contract by both parties</p>	<p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Please explain in case of "No": _____</p>
<p>All documentations, including catalogs, instructions and operating manuals, shall be in:</p> <p>✓ English and/or Russian</p> <p><input type="checkbox"/> French</p> <p><input type="checkbox"/> Spanish</p> <p><input type="checkbox"/> Others</p>	<p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Please explain in case of "No": _____</p>
<p>Liquidated Damages:</p> <p><input type="checkbox"/> Will not be imposed</p> <p>✓ Will be imposed under the following conditions:</p> <p>Percentage of contract price per day of delay:</p> <p>0.1%, but up to maximum 20% of total contract value</p> <p>Max. no. of days of delay: 30 days</p> <p>After which UNDP may terminate the contract.</p>	<p><input type="checkbox"/> Accept</p> <p><input type="checkbox"/> Does not accept</p> <p><input type="checkbox"/> Please explain in case of "Does not accept": _____</p>
<p>Please confirm that your company is not included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List;</p>	<p><input type="checkbox"/> Not listed</p> <p><input type="checkbox"/> Listed</p> <p><input type="checkbox"/> Please explain in case of "Listed": _____</p>
<p>Please confirm that you accept the UN Supplier Code of Conduct,</p>	<p><input type="checkbox"/> Accept</p>

¹ Must be linked to INCOTERMS chosen.

available at <https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct>

☐ Does not accept
☐ Please explain in case of
"Does not accept":

We request your duly signed and sealed price quotation in a company letterhead and additional details as outlined, latest before 18.00 (GMT 5+), 14 May 2019.

You may deliver physically in a sealed envelope to the United Nations Building, 4, Taras Shevchenko street, Tashkent 100029, Uzbekistan.

Alternatively, you may submit it electronically in **.pdf** format to bids.uz@undp.org². Quotation submitted by e-mail must be limited to a maximum size of 5 MB, virus-free and consist of no more than 3 email transmissions. Otherwise, such quotations will be rejected.

Your bid should contain the following reference either on the envelope or email subject:

RFQ/022/19 Supply of soil and water quality and property monitor and control equipment ³

Please follow these instructions and be mindful of deadlines. Bids submitted through other means or to other addresses will not be accepted.

UNDP will consider an award to the quotation which complies with all requirements in full and offers the lowest price. UNDP reserves the right to conduct post qualification exercise by requesting additional documents/clarifications/information if deemed necessary.

Any offer that does not meet requirements shall be rejected. UNDP is under no obligation to accept any bid.

Any request for additional information or queries must be sent/addressed to Procurement Unit three business days prior to the deadline in writing to pu.uz@undp.org.

Yours Sincerely,
Procurement Unit

² Quotations submitted to other e-mail addresses will not be accepted and will be rejected.

³ Quotations that do not contain the specified subject or reference to the tender number in the subject line of e-mail message or on the envelope will not be opened and will be rejected.