

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.

ITE M	DESCRIPTION	ESCRIPTION ITEM D	ITEM DESCRIPTION	UNIT OF	Q- TY	PRICE IN [CURRENCY] (EXCLUSIVE OF VAT)		
#				MEAS URE		Unit Price	Total Price	
		LITY AND PROPER	TY MONITOR AND CONTROL					
EQU 1	IPMENT Combined	Delivery content	• Combined portable pH, activity	pcs	4			
-	portable pH,	Denvery content	(active salts), soil moisture and	pes	-			
	activity (active		temperature meter					
	salts), moisture		• pH probe					
	and		• Test solution for at least three					
	temperature		(3) known pH values (100 ml					
	meter		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					
	Combined p		le meter					
		Housing	Splash -proof, rugged					
		Connectors	BNC and 8-pin plugs					
		Power	9V battery					
		Weight	No more than 500 g					

pH measurementRange0-14 pHResolution0.01 pHAccuracyNot worse than 0.02 pH of measured valueCalibrationAutomatic At least 3 points with different test solutionProbeGet field inservice probe (glass, ceramic diaphragmsApplicationDirect pH measurement in soil, substrates and liquids <i>EC measurement</i> SolitationRange, mS0-200Resolution, mSNot worse than 0.001-0.01AccuracyNot worse than 0.001-0.01AccuracyNot worse than 0.001-0.01ProbePlatic housing with platinum solutionsSolitationEctrication accuration for test solutionsApplicationEctrication diactivity measurement at liquids and solutionsProbeSolitactive salitationsSolitationRe calibration not neededProbeStanless steel, length approx. 750 mmApplicationDirect measurement of soil salinity in sol and substratesFemperature measurement of soil salinity in sol and substratesFemperature measurement of soil salinity in sol and substratesFemperature measurement is soli salinity in sol and substratesFenperature measurement is soli salinity in sol a					
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Range 0-95% Accuracy Not worse than ±2% Manual in English Yes					
Accuracy Not worse than ±2% Manual in English Yes		Soil moisture mea	surement		
Manual in English Yes					
		Accuracy	Not worse than ±2%		
			Yes		

-		1		pcs	3	1
2	pH&EC flow	Measuring range				
	control (device		EC 0-200 mS/cm			
	to measure both		Total Dissolved Solids (TDS) 0-			
	conductivity		106000 ppm temperature -20 °+80° C			
	and pH in flow)	Desclution				
		Resolution	pH 0.01			
			EC 0.01 mS/cm			
			TDS 1 ppm			
			temperature 0.1 ° C			
		Accuracy	EC/TDS not worse than 2% of			
			measured value			
			temperature not worse than ± 0.5 °C			
		Temperature	Yes, with embedded negative			
		compensation	temperature coefficient (NTC)			
			sensor			
		pH calibration	Automatic			
		EC calibration	Automatic			
		EC probe	EC plastic housing probe, 8 pin			
		all araba	plugs with cable			
		pH probe	Gel filled pH electrode, coaxial (BNC) plug with cable			
		Conversion factor	automatic			
		EC-TDS				
		Power	9V with external power supply			
			or 9V battery pack.			
		Manual in English o	r Yes			
		Russian				
2	Comment	Tura			2	
3	Compact photometer,	Туре	LED photometer with at least three filters	pcs	3	
	complete case	Wave length	385 ,450 and 660 nm			
	(incl		required			
	, photometer,	Accuracy	Not worse than ± 2 nm			
	accessories for	Cuvette slot	Round cuvettes 16 mm			
	sample	Memory	At least 50 results			
	preparation)	Power	3 AA batteries with			
			USB port available for			
			power supplying			
		Set of tests:				
		Ammonium (0.1-2 r	mg/I NH4-N) 50 tests yes			
		Potassium (2-15 mg	g/l K +) 60 tests yes			
		Nitrate (4-60 mg/l N	NO3) 100 tests Yes			
		Phosphate (0.2-5 m	g/I PO4 -P) 80 tests yes			
		Set of tests. 20 test	s of each:			
		Ammonium (0.2-7 r	-			
		Ammonium (1-40 m				
1		Ammonium (1-40 m	ng/I NH4-N) tests yes			

		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					
		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 I				
		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				
		1					
5	Grain moisture	Accessories:		pcs	3		
	meter with set	Digital scale	Yes				
	of accessories	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				
		1				1	1

6	Hydromotor	Tuno	Analog with synthetic bair	ncc	25	
0	Hydrometer with	Туре	Analog with synthetic hair	pcs	25	
	temperature	Measuring range:	15 to 55 °C			
	temperature	temperature humidity	0 to 100%			
		namary	010100/5			
7	Mini-max	Туре	Mercury free, enabling both	pcs	25	
	thermometer		max and min temperature			
			measurement			
		Measuring rage	-35 to +50°C			
		Housing	Aluminum body			
	1	1				1
8	Penetrometer	Туре	Mechanical, two handled with dial plate	pcs	3	
		Measuring rage	0-500 PSI or 0-3500 kPa or kN/m2			
		Probes:				
		Marking	Yes, marks spacing through each 5 or 10 cm			
		Dimension:	Not more than 1"x 1200 mm			
		Material	Stainless steel			
		Manual in English or	Yes			
		Russian				
		1		T	1 - 1	1
9	Soil sampler	Туре	Two handled with foot rest	pcs	3	
	with foot rest	Total length, mm	Not more than 1000 (810)			
		Sampling depth, mm	Not less than 300			
		Sampler diameters:				
		outer, mm	15-25			
		inner, mm	10-20			
		Material	Stainless steel			
						1
10	Spiral auger	Туре	Two handled, spiral	pcs	3	
		Dimensions, mm	Not more than 1350x450x50			
		Material	Stainless steel			
	-					
11	Electronic	Application:	Weighting, density determination, mole weighting	pcs	3	
	precise scale	Capacity, kg	No less than 5			
		Resolution, g	Not worse than 0.1			
		-	Not worse than 0.1			
		Weighting platform:	Not loss than 150			
		Diameter, mm	Not less than 150			
		Material	Stainless steel			
		Weighting units optional:				
		g	yes			
		g kg				
		۸y	yes			

		lb		yes			1	
		OZ		yes				
		ml		yes				
		Powering	-	Power supply				
		Commun		RS 232, Ether	net, USB			
		Manual i Russian	n English or	Yes				
12	Moisture	Applicati	on:	Moisture ar	alyzer is a	pcs	3	
	analyzer			laboratory r				
				instrument				
				determine r				
				moisture co samples of o				
				substances.	linerent			
		Max sam	pling mass, g	200				
		Reading		1				
		-	oility of moistur		e 2 g)			
		readout,		0.01 (sampl				
		Linearity,		Not worse t				
		Accuracy	of moisture	Not worse t				
		readout,		200				
		Tare rang		-200				
			le heating mod	e Yes				
		(standard stepwise						
		Heating r		IR emitter (I				
		Range of		temperatur Up to 250	e 250°C)			
		temperat		No moro th	an 600			
		Heating module energy consumption, W		No more th				
		Pan size,		Not less tha				
		Display ty		LCD with to	uch panel			
			s supported:					
		2XUSB		Yes				
		4 input/4	l output	Yes				
		RS232 Ethernet	not worse thar	Yes Yes				
		10/100 N		1 163				
		Wireless		Yes				
		Power su			AC; 50÷60 Hz			
			n English or	Yes	-			
		Russian						
13	Set of cuvette	s test Nitrate	Nitrate	Ammonium	Phosphate	set	1	
		LCK 329		LCK303	LCK 049			
	Element	NO ₃ -N		NH4-N	P2O5			

Measuring	0.23-13.5	5-35 mg/l	2-47 mg/l	3-80 mg/l				
range	mg/l							
Pack content	50	50	25	25				
	Potassium	Calcium	Sulphate	Carbonate				
	LCK	LCK 327	LCK 153	LCK 388				
Element	K ₂ O	Са	SO ₄	CO ₃				
Measuring	8-50 mg/l	5-100 mg/l	40-150 mg/l	55-550 mg/l				
range								
Pack content	24	25	25	25				
	Chloride	Iron	Zinc	Magnesium				
	LCK 311	LCK 321	LCK 360	LCK 326				
Element	Cl	Fe	Zn	Mg				
Measuring	1-70 mg/l	0.2-6 mg/l	0.2-6 mg/l	0.5-50 mg/l				
range								
Pack content	48	25	25	25				
					Tota	al Prices of Goods		
					Tra	ansportation costs		
				Pa		ce 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:	🗆 Yes
\checkmark 60 calendar days after deadline for submission of quotation	🗆 No
🗆 90 days	Please explain in case of
🗆 120 days	"No":
Warranty Period Offered (as applicable):	🗆 Yes
 Minimum period of 12 months 	🗆 No
	Please explain in case of
	"No":
Description of Warranty Coverage (as applicable):	🗆 Yes
Warranty on Parts and Labor	🗆 No
Brand new replacement if Purchased Unit is beyond repair.	Please explain in case of
	"No":

Description of After Sales Service (as applicable):	
✓ Warranty on Parts and Labor for minimum period of 12 months	🗆 Yes
✓ Technical Support. Distance (online/phone/fax/internet)	🗆 No
technical support shall be provided during one year from the	Please explain in case of
time of delivery excluding when warranty conditions are	"No":
applied.	
□ Provision of Service Unit when pulled out for maintenance/	
repair	
□ Others	
Delivery Terms (linked to INCOTERMS 2010):	🗆 Yes
□ FCA	🗆 No
СРТ	Please explain in case of
 CIP Tashkent, Uzbekistan 	"No":
□ Other [specify]	
Customs clearance ¹ , if needed, shall be done by UNDP for only	
Foreign Suppliers (Company registered outside Uzbekistan)	
Payment Terms:	□ Yes
To Local Supplier (Company registered in Uzbekistan):	□ No
☑ 15% advance payment and 85% final payment will be paid in	Please explain in case of
Uzbek Soums (UZS) by bank transfer to the Supplier's account	"No":
after delivery and acceptance of goods;	
To Foreign Suppliers (Company registered outside	
Uzbekistan):	
$oxedsymbol{\boxtimes}$ 100% payment will be by bank transfer to the Supplier's	
account after delivery and acceptance of goods	
Latest Delivery Date:	🗆 Yes
⊠Not more than 60 calendar days from day of signing contract by	🗆 No
both parties	Please explain in case of
	"No":
All documentations, including catalogs, instructions and operating	□ Yes
manuals, shall be in:	
✓ English and/or Russian	 Please explain in case of
	"No":
□ Others	
Liquidated Damages:	□ Accept
🗆 Will not be imposed	Does not accept
✓ Will be imposed under the following conditions:	Please explain in case of
Percentage of contract price per day of delay:	"Does not accept":
0.1%, but up to maximum 20% of total contract value	
Max. no. of days of delay: 30 days	
After which UNDP may terminate the contract.	
Please confirm that your company is not included in the UN	Not listed
Security Council 1267/1989 list, UN Procurement Division List or	🗆 Listed
other UN Ineligibility List;	Please explain in case of
	"Listed":
Please confirm that you accept the UN Supplier Code of Conduct,	Accept

¹ Must be linked to INCOTERMS chosen.

available at https://www.un.org/Depts/ptd/about-us/un-supplier-	Does not accept
<u>code-conduct</u>	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 <u>bids.uz@undp.org²</u>. 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 <u>pu.uz@undp.org</u>.

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.