



REQUEST FOR QUOTATION FOR LOW-VALUE GOODS

DATE: 11/04/2020

SUBJECT: Request for Quotation for Supply and installation of reverse osmosis system with a discharge capacity of 6m³/hour.

REF: RFQ/024/20

DEADLINE: 04 May 2020, 18:00 pm, local time (GMT+5, Tashkent)

PAGES: 10

Dear Sirs,

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

ITEM #	ITEM DESCRIPTION	UNIT OF MEASURE	Q-TY	PRICE IN USD OR UZS	
				Unit Price	Total Price
1	<p>Compact, fully automated and pre-tested water filtering and purifying equipment with all necessary components, reverse osmosis system, for desalination of <u>irrigation</u> water</p> <p><u>Technical Specification:</u></p> <ul style="list-style-type: none">- Capacity – 6.0 m³/h;- Volume of the distillate from the total quantity of used water - 60-80%;- Electricity consumption for desalination process (per 1 kg of removed salt) - not more than 1 kW/h/kg;- Operating temperature: +3 to + 45;- Input/output diameter: 50 mm (2');- Voltage – 380 V±10 V. 50 Hz;- Operating pressure in the hydraulic system at input – 0.5-0.8 MPa;- Operating pressure in the hydraulic system at output - not more than 1 MPa;- The maximum salinity of the distillate - not more than 1.0 g/ liter;- System mode – Automatic;- Operating mode - around-the-clock with breaks for chemically one-off cleaning;- Installation area: Indoor	set	1		

	<p><u>Complete set is to include:</u></p> <ul style="list-style-type: none"> - Stainless steel frame - 1 pc; - High pressure pump 8-12 m3/h, 1.5-3.0 kW - 1 pcs; - Pressure gauge: 1 pc; - Cleaning section with cartridge filters up to 0.5 microns – not less than 10 pcs; - Charcoal cleaning section with automatic head - 150-250 kg; - Quartz sand cleaning section with automatic head - 600-800 kg; - Antiscalant dosing station with automatic dosage device - 20-30 liters; - Desalination unit with reverse osmosis membranes - not less than 6 pcs; - Vertical Multistage Centrifugal Pump, 8-11kW - 1 pc; - Single control (directive screen) for all functions and information, including automatic dosage device, preferably in Russian. - Case - all parts (nodes) must be pre-designed and pre-mounted. - Components/supplies: <ul style="list-style-type: none"> a) Antiscalant – 25 l; b) Filter coke (charcoal) – 200 kg; c) Cartridge filters, 0.5 microns - 30 pcs; <p><u>Additional requirements:</u> All technical documentation, including a manual, maintenance and step-by-step troubleshooting instructions, can be provided in English for the evaluation commission. However, upon delivery of the equipment, all technical documentation must be provided in Russian.</p> <p><u>Certification and Standards:</u> The proposed installation should be done by the manufacturer with an ISO 9001 certificate issued for quality management system (internationally recognized certificates of quality management systems, certificates equivalent to ISO will also be considered).</p>				
	Total Prices of Goods for 1 set of item # 1				
	Transportation costs for 1 set of item # 1				
	Packing, Insurance and other costs for 1 set of item # 1				
	Total visa, travelling, accommodation and living costs for 1 set of item # 1				
	Installation, commissioning and training costs for 1 set of item # 1				
	Total All-Inclusive Bid Price for 1 set of item # 1 without VAT				
	VAT (if applicable for the local vendors only)				
	Total All-Inclusive Bid Price for 1 set of item # 1 including VAT				

2	<p>Compact, fully automated and pre-tested water filtering and purifying equipment with all necessary components, reverse osmosis system, for desalination of <u>drinking</u> water</p> <p><u>Technical Specification:</u></p> <ul style="list-style-type: none"> - Capacity – 6.0 m3/h; - Volume of the distillate from the total quantity of used water - 60-80%; - Electricity consumption for desalination process (per 1 kg of removed salt) - not more than 1 kW/h/kg; - Operating temperature: +3 to + 45C; - Input/output diameter: 50 mm (2'); - Voltage – 380 V±10 V. 50 Hz; - Operating pressure in the hydraulic system at input – 0.5-0.8 MPa; - Operating pressure in the hydraulic system at output - not more than 1 MPa; - The maximum salinity of the distillate - not more than 1.0 g/ liter; - System mode – Automatic; - Operating mode - around-the-clock with breaks for chemically one-off cleaning; - Installation area: Indoor; - Composition of water discharged must correspond to the indicators of Annex 3; <p><u>Complete set is to include:</u></p> <ul style="list-style-type: none"> - Stainless steel frame - 1 pc; - High pressure pump 8-12 m3/h, 1.5-3.0 kW - 1 pcs; - Pressure gauge: 1 pc; - Cleaning section with cartridge filters up to 0.5 microns – not less than 10 pcs; - Charcoal cleaning section with automatic head - 150-250 kg; - Quartz sand cleaning section with automatic head - 600-800 kg; - Antiscalant dosing station with automatic dosage device - 20-30 liters; - Desalination unit with reverse osmosis membranes - not less than 6 pcs; - Vertical Multistage Centrifugal Pump, 8-11kW - 1 pc; - Single control (directive screen) for all functions and information, including automatic dosage device, preferably in Russian. 	Set	1		
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	<ul style="list-style-type: none"> - Case - all parts (nodes) must be pre-designed and pre-mounted. - Components/supplies: <ul style="list-style-type: none"> d) Antiscalant (in a canister of 25 l)– 200 l; e) activated charcoal (in bags of 20 kg) - 400 kg; f) Cartridge filters, 0.5 microns - 216 pcs; g) Reverse Osmosis membranes GSM – 6 pcs. <p><u>Additional requirements:</u> All technical documentation, including a manual, maintenance and step-by-step troubleshooting instructions, can be provided in English for the evaluation commission. However, upon delivery of the equipment, all technical documentation must be provided in Russian.</p> <p><u>Certification and Standards:</u> The proposed installation should be done by the manufacturer with an ISO 9001 certificate issued for quality management system (internationally recognized certificates of quality management systems, certificates equivalent to ISO will also be considered).</p>				
	Total Prices of Goods for 1 set of item # 2				
	Transportation costs for 1 set of item # 2				
	Packing, Insurance and other costs for 1 set of item # 2				
	Total visa, travelling, accommodation and living costs for 1 set of item # 2				
	Installation, commissioning and training costs for 1 set of item # 2				
	Total All-Inclusive Bid Price for 1 set of item # 2 without VAT				
	VAT (if applicable for the local vendors only)				
	Total All-Inclusive Bid Price for 1 set of item # 2 including VAT				
	Total All-Inclusive Bid Price for 1 set of item # 1 and 1 set of item # 2 without VAT				
	Total All-Inclusive Bid Price for 1 set of item # 1 and 1 set of item # 2 including VAT				

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.
4. Site survey will be arranged upon request (as applicable).
5. Brochures and Technical details of the model offered MUST be submitted with the bid offer (as applicable).
6. Installation locations of both Item # 1 and 2 are shown in **Annex 1**.
7. The reverse osmosis systems will be installed in indoor condition. The Client bears full responsibility for timely arrangement of the premise supplied with the necessary power prior to delivery of the equipment for installation.

8. Requested reverse osmosis system requested under item # 1 will be used for filtering the collector's water for **irrigation** purposes. Whereas, item # 2 will solely be used for filtering of the **drinking** water that is pumped from the well.
9. Results of the chemical analysis of water to be used for item # 1 and 2 are attached in **Annex 2**.
10. Partial quotes are not accepted against the current bid.
11. The bidder must provide details on guaranteed composition of water to be discharged from both **item # 1** and **item # 2**. Moreover, quality of water discharged from **Item # 2** must correspond to the indicators of **Annex 3**

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 type="checkbox"/> 60 days <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: Minimum 12 months starting from the date of acceptance of the Goods by UNDP	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Please explain in case of "No": _____
Description of Warranty Coverage: Spare parts, repair, technical support and labor	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Please explain in case of "No": _____
Description of After Sales Service: <input type="checkbox"/> Warranty on Parts and Labor for minimum period of 12 months starting from the date of acceptance of the Goods by UNDP <input type="checkbox"/> Technical Support via e-mail/phone/fax/internet <input type="checkbox"/> Provision of Service Unit when pulled out for maintenance/ repair <input type="checkbox"/> Others	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Please explain in case of "No": _____
Delivery Terms (linked to INCOTERMS 2010): <input type="checkbox"/> FCA <input type="checkbox"/> CPT <input type="checkbox"/> DDP Bozataw and Takhtakupir districts, Karakalpakstan, Uzbekistan <input type="checkbox"/> DAP <input type="checkbox"/> On-site installation, commissioning and training are required. Customs clearance ¹ , if needed, shall be done by UNDP for Foreign Suppliers (Company registered outside Uzbekistan)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Please explain in case of "No": _____

¹ Must be linked to INCO Terms chosen

Note: Please, refer to Annex 1 for precise installation locations	
Payment Terms: To Local Supplier (Company registered in Uzbekistan): <input checked="" type="checkbox"/> 100% payment will be paid in Uzbek Sums (UZS) by bank transfer to the Supplier's account after delivery and acceptance of goods by UNDP; To Foreign Suppliers (Company registered outside Uzbekistan): <input checked="" type="checkbox"/> 100% payment will be by bank transfer to the Supplier's account after delivery and acceptance of goods by UNDP;	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Please explain in case of "No": _____
Value Added Tax on Price Quotation: <input checked="" type="checkbox"/> Must be inclusive of VAT for local companies registered in Uzbekistan (if registered as VAT payer); <input checked="" type="checkbox"/> Must be exclusive of VAT for foreign companies registered outside of Uzbekistan;	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Please explain in case of "No": _____
Delivery terms: Latest Delivery Date is not more than 60 calendar days from day of signing contract by both parties.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Please explain in case of "No": _____
All documentations, including catalogs, instructions and operating manuals, shall be in: <input type="checkbox"/> English and/or Russian <input type="checkbox"/> French <input type="checkbox"/> Spanish <input type="checkbox"/> Others	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Please explain in case of "No": _____
Liquidated Damages: <input type="checkbox"/> Will not be imposed <input type="checkbox"/> Will be imposed under the following conditions: Percentage of contract price per day of delay: 0.1% Max. no. of days of delay: 30 calendar days After which UNDP may terminate the contract.	<input type="checkbox"/> Accept <input type="checkbox"/> Does not accept <input type="checkbox"/> Please explain in case of "Does not accept": _____
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;	<input type="checkbox"/> Not listed <input type="checkbox"/> Listed <input type="checkbox"/> Please explain in case of "Listed": _____
Please confirm that you accept the UN Supplier Code of Conduct, available at https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct	<input type="checkbox"/> Accept <input type="checkbox"/> Does not accept <input type="checkbox"/> 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 by **18:00 (GMT +5)** on or before **04 May 2020**.

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.

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

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

RFQ/024/20 – Supply and installation of reverse osmosis system with a discharge capacity of 6m3/hour.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

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.

Installation locations of the Reverse Osmosis Systems

Item No	Requester	Location / Coordinates	Approximate distance between Nukus city and the installation location in km
1	Village Council of Citizens "Kok Suv"	Village Council of Citizens "Kok Suw", Buzatow district (former Chimbay), Karakalpakstan, Uzbekistan	150
2	Village Council of Citizens Taza Konys SSG Beltau	Village Council of Citizens "Taza Konys" SSG Beltau Takhtakupyr District, Karakalpakstan, Uzbekistan	150

TABLE 1 - Results of the chemical analysis of water to be used for Item # 1 for irrigation purposes

Depth, cm	Evaporated residue to %	CO ₂ %/Meq/l	Total HCO ₃ %/Meq/l	Cl, %/Meq/l	SO ₄ %/Meq/l	Ca %/Meq/l	Mg %/Meq/l	Anions- cations Meq/l	Na+K		Total Compo- nent	Salinity quality	Notes	PH
									Meq/l	%				
-	6,901	-	<u>0,298</u> 4,8	<u>0,355</u> 10,0	<u>4,032</u> 84,0	<u>0,361</u> 18,0	<u>0,535</u> 44,0	<u>98,8</u> 62,0	36,8	0,920	6,496	-C-	High Salinity	8,0

Note: -C- sulphatic

TABLE 2 - Results of the chemical analysis of water to be used for Item # 2 for drinking purposes

Nº	Name of indicators	Indicators
1	PH value	7,1
2	Ammonia (NH ₃)	-
3	Nitrite (NO ₂ ⁺³)	-
4	Nitrates (NO ₃ ⁺⁵)	-
5	Total hardnessΣ (Ca+Mg)	1,6 mg/dm ³
6	Calcium Ca ⁺²	1 мг-экв/dm ³
7	Magnesium Mg ⁺²	0,6 мг-экв/dm ³
8	Chlorides Cl	650 mg/dm ³
9	Oxidation O ₂	2,1 mg/dm ³
10	Alkalinity HCO ₃	4,8 mg/dm ³
11	Sulfates SO ₄ ⁺⁶	403,2 mg/dm ³
12	Iron Fe ⁺²	0,04 mg/dm ³
13	Copper Cu ⁺²	0 mg/dm ³
14	Fluoride F	0,48 mg/dm ³
15	Manganese (Mn+)	0 mg/dm ³
16	Dry residue	2005,0 mg/dm ³
17	OMC	2
18	Coli index	3

Required quality of water discharged for Item # 2

Nº	Variable	Unit	Required quality measures
1	Taste	score	2
2	Odor	score	2
3	Turbidity	mg/l	1.5
4	Color	Degrees	2025
5	Hydrogen index	pH	6
6	Total mineralization (dry residue)	mg/l	1000
7	Iron (Fe)	mg/l	0,3
8	Marganese	mg/l	0,1
9	Copper	mg/l	1.0
10	Sulphate	mg/l	400
11	Chloride	mg/l	250
12	Zinc	mg/l	3.0