

REQUEST FOR QUOTATION (RFQ)

Companies	DATE: 17 August 2020
	REFERENCE: RFQ/060/20 – Supply and installation of Reverse Osmosis systems to
	Karakalpakstan.

Dear Sir / Madam:

We kindly request you to submit your quotation for supply and installation of Reverse Osmosis systems to Karakalpakstan as detailed in **Annex 1** of this RFQ. For preparing your quotation, please be guided by the form attached hereto as **Annex 2** and its relevant tables.

Electronic version of your quotation must be sent to <u>bids.uz@undp.org</u>¹

Quotations may be submitted on or before **18.00 (GMT 5+)**, **31 August 2020** and via e-mail. Electronic version of your quotation must be sent to <u>bids.uz@undp.org</u>²

Quotations submitted by email must be limited to a maximum of 10 MB, virus-free and no more than 2 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/060/20 – Supply and installation of Reverse Osmosis systems to Karakalpakstan.³

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:

Delivery Terms [INCOTERMS 2020]	 DDP Karakalpakstan, Uzbekistan for earlier imported goods or local products. DAP Karakalpakstan, Uzbekistan for international suppliers registered outside of Uzbekistan.
Customs clearance, if needed, shall be done by:	⊠ Customs clearance ⁴ , if needed, shall be done by UNDP for Foreign Suppliers (Company registered outside Uzbekistan)

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

² Quotations submitted to other email accounts will not be accepted and will be declined.

³ Email submission that will not contain this subject or without reference to subject tender will not be opened and will be declined.

⁴ Must be linked to INCOTERMS 2020.

Exact Address of Delivery Location	Lot 1: Karakaplakstan, Takhtakupir district, community «Marzhankol» Lot 2: Karakaplakstan, Takhtakupir district, community «Zhanadarya» Lot 3: As per Table # 3 of Annex # 1;
Distribution of shipping documents	Goods are supposed to be exported to the end-user with invoice (2 originals) and packing list (2 originals), with other quality confirmation documents if required. In addition, all documents under INCOTERMS 2020.

Latest Expected Delivery Date and Time	\boxtimes 80 calendar days from the issuance of the Purchase Order (PO)		
Delivery Schedule	⊠ Required		
Mode of Transport	🖾 AIR	⊠ LAND	
Preferred Currency of Quotation	 ☑ United States Dollars to foreign suppliers ☑ Local Currency: Uzbekistan Som (UZS) to Uzbekistan based Suppliers 		
Value Added Tax on Price Quotation	☑ Must be inclusive of VAT for local companies registered in Uzbekistan (if registered as VAT payer);		
	⊠ Must be exclusive o Uzbekistan	of VAT for foreign companies registered outside of	
After-sales services required	 Warranty on Goods and spare parts for a minimum period of 12 consecutive months; Technical Support; Elimination of inconsistencies and malfunctions during the warranty period, including delivery and replacement; replacement with completely new item if the delivered one does not comply with the Specification or cannot be repaired. 		
Deadline for the Submission of Quotation	ion 31 August 2020, Tashkent time 18:00 (GMT +5)		
All documentations, including catalogs, instructions and operating manuals, shall be in this language		ocuments in other than English or Russian languages into above either language version.	

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 relevant tables, 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 machinery in the last 3 years using form provided in Part 4 of Annex 2 ;
	⊠ Copies of at least 2 successfully executed contracts signed for supply and installation of electrified water pumps in the past 3 years;
	⊠ Manufacturer's Authorization Letter issued in favour of the bidder allowing selling their product to UNDP (if Supplier is not the manufacturer). The same document must demonstrate that the manufacturer takes an obligation to reserve required quantity of goods offered by the bidder for the tender should the bidder selected
	\boxtimes Verified copy of the latest valid business registration certificate of the Offeror's company $^{\rm 5}$
	☑ Quality Certificates (ISO, etc.), Catalogue with details description of offered product with pictures
List of documents to be requested by UNDP additionally from the three	 (a) Verified by third party (tax agency or other authorized body) copy of Financial Reports for the last two years; OR
lowest priced bid Offerors ⁶	(b) a bank statement from Offeror's bank, issued not less than 30 days prior the bid submission or quotation date, that Offeror has available or has access to liquid assets (asset that can be readily converted to cash), to meet the obligations/supply cash flow for the contract of not less than Offeror's bid value.

Validity Period of Quotes	⊠ 60 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.		
Partial Quotes	☑ Not allowed, incomplete/partial quotes will not be accepted.		
Payment Terms	To Local Supplier (Company registered in Uzbekistan):		
	⊠ To be paid in Uzbek Soums (UZS): 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):		
	☑ To be paid in US Dollars (USD): 100% payment will be by bank transfer to the Supplier's account after delivery and acceptance of goods by UNDP;		

⁵ Verified by the signature of the authorized Offeror's representative and Offeror's company stamp/seal

⁶ 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: i. Warranty on Parts and Labor for minimum period of 12 months ii. Technical Support via e-mail/phone/fax/internet At least 2 contracts for supply of machinery 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 to:	 One or more Supplier, depending on the following factors: The contract will be awarded by lots. UNDP will not consider offers, which include subcontracting for fulfillment of the contract terms (except for official authorization of a manufacturer for rendering related services)
Type of Contract to be Signed	☑ UNDP Contract for supply of goods
Special conditions of Contract	⊠ Cancellation of PO/Contract if amount of penalty for delay if delivery exceeds 20% from total contract value
Annexes to this RFQ	 Specifications of the Goods Required (Annex 1) Form for Submission of Quotation (Annex 2) General terms of the agreement for construction works that are available in the following website: https://www.undp.org/content/undp/en/home/procurement/business/howwebuy.html
	Non-acceptance of the terms of the General Terms and Conditions (GTC) shall be grounds for disqualification from this procurement process.

Combo at Dissue	
Contact Person for Inquiries (Written inquiries only)	 UNDP CO Uzbekistan, Procurement Unit 4, T. Shevchenko Street, Tashkent city 100029, Uzbekistan Fax: (+998 71) 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; UNDP keeps the right to conduct a visit to bidder's premises/office for making sure bidder's competence for successful execution of the Contract;
Other	 Offers submitted by two (2) or more Offerors 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 e) they are subcontractors to each other's Offer, or a subcontractor to one Offer also submits another Proposal under its name as lead Offeror; or f) an expert proposed to be in the team of one Offeror 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 indicated above - http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html.

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/content/undp/en/home/operations/procurement/protestandsanctions/

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

LOT NO.1. SUPPLY AND INSTALLATION OF WATER TREATMENT EQUIPMENT 8 M3/H, MARZHANKOL

LOT NO.1			
Items to be Supplied	Description/Specifications of Goods	Q-ty	Latest Delivery Date
WATER TREATMENT EQUIPMENT	Designation: Provision of required quality drinking water that meet the drinking water norms of Uzbekistan	1 SET	No more than 80 calendar days after
	a) Antiscalant (in a canister of 25I): 200 liters. b) activated charcoal (in begs of 20 kg): 400 кг. c) Cartridge filters, 0.5 microns 0,5 micron: 100 pcs. d) Reverse Osmosis membranes GSM: at least 8 pcs.		

Overall dimensions of the room where the system will be installed: Length: 5600 mm. Width: 4800 mm. Height: 3000 mm. Service life time: at least 3 years;	
Service life up to medium (overhaul) repair: at least 5 years.	
Control system: One controller (display) for all functionalities and information readings, preferably in Russian language, including automatic dosing.	
Manuals: For evaluation purposes all technical documentation, including operating, maintenance and troubleshooting manuals, including log-books can be submitted in English. But, they all must be in Russian language when equipment is delivered.	
Certification and Standards: The offered equipment must be from a manufacturer adhering to ISO 9001 quality system (internationally recognized quality certification systems equivalent to ISO will also be considered).	

Table 1. Water quality requirements (<u>http://www.lex.uz/pages/GetAct.aspx?lact_id=1934624</u>)

N⁰	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	рН	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

Table 2. The results of chemical analysis of water taken from the sites of Zhanadarya and Marzhankol,	
Takhtakupir district (year 2020):	

N⁰	Indicators	UOM	Site name (w	Site name (water intake)		
			Zhanadarya EKOS	Marzhankol EKOS		
			(February)	(March)		
1	Odor at 20 and 60 ^o C	Score	0	0		
2	Taste	Score	0	0		
3	Color	Degrees	0	0		
4	Turbidity	Mg/dm ³	0	0		
5	Hydrogen index	рН	7,2	7,0		
6	Ammonia (NH₃)	Mg/dm ³	Not detected	Not detected		
7	Nitrite (NO 2^{+3})	Mg/dm ³	Not detected	Not detected		
8	Hardness general Σ (Ca+Mg)	Mg-экв/dm³	1,8	0,3		
9	Chloride (CI)	Mg/dm ³	614,3	137,7		
10	Alkalinity (HCO ₃)	Mg-экв/dm³	5,5	0,3		
11	Total microbial count	Number of microbes in 1 cm ³ of	6	11		
		water				
12	E. coli bacteria count (coli index)	Number of E. coli bacteria in 1 dm ³	3	3		
		of water				

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

LOT NO.2. SUPPLY AND INSTALLATION OF WATER TREATMENT EQUIPMENT 10 M3/H, ZHANADARYA

LOT NO.2				
Items to be Supplied	Description/Specifications of Goods	Q-ty	Latest Delivery Date	
WATER TREATMENT EQUIPMENT 10 M3/H	MENTProvision of required quality drinking water that meet the drinking waterMENTnorms of Uzbekistan		No more than 80 calendar days after	
	Description of set: Compact, fully automatic pre-tested equipment including all necessary parts: control panel, pumps, dosage control devices, valves, filters, chemical containers etc. Equipment must provide water treatment in accordance to required drinking water quality as per Table 1, Annex 1.		signing PO by both parties	
	Technical specification: Minimum capacity: 10 m³/h . The output of desalinated water from the total amount supplied to the plant: 50-70%. Maximum desalinated water mineralization: 1000мг/л. The energy consumption for the desalination process (for 1 kg salt removed):			

no more than 1 kW h/kg.	
Voltage: 380 V.	
Frequency: 50 Hz.	
Rated power (including heating): no more than 30 kW.	
Operating pressure in the hydraulic system at input: no less than 0,7 MPa	
(kgf/cm ²).	
Operating pressure in the hydraulic system at output: no more than 1,0 MPa	
(kgf/cm ²).	
System mode: automatic.	
Operating mode: around-the-clock with breaks for chemically one-off	
cleaning.	
Installation area: indoor.	
Set:	
Stainless steel frame: 1 pc.	
High pressure pump 8-12 m3/h, 1,5-3,0 kW: 1 pc.	
Pressure gauge: 1 pc. Cleaning section with cartridge filters up to 0,5 microns: at least 10 pcs.	
Charcoal cleaning section with automatic head: 150-250 kg.	
Quartz sand cleaning section with automatic head: 600-800 κг.	
Antiscalant dosing station with automatic dosage device: 20-30 liters.	
Desalination unit with reverse osmosis membranes: at least 10 pcs.	
Vertical Multistage Centrifugal Pump 8-11 kW: 1 pc.	
Body: all parts (nodes) must be pre-designed and pre-mounted.	
Components/consumables:	
a) Antiscalant (in a canister of 25I): 200 liters.	
b) activated charcoal (in begs of 20 kg): 400 кг.	
c) Cartridge filters, 0.5 microns 0,5 micron: 100 pcs.	
d) Reverse Osmosis membranes GSM: at least 10 pcs.	
Overall dimensions of the room where the system will be installed:	
Length: 5400 mm.	
Width: 5000 mm.	
Height: 4000 mm.	
Service life time: at least 3 years;	
Service life up to medium (overhaul) repair: at least 5 years.	
Control system:	
One controller (display) for all functionalities and information readings,	
preferably in Russian language, including automatic dosing.	
Manuals:	
For evaluation purposes all technical documentation, including operating,	
maintenance and troubleshooting manuals, including log-books can be	
submitted in English. But, they all must be in Russian language when	
equipment is delivered.	
Certification and Standards:	
The offered equipment must be from a manufacturer adhering to ISO 9001	
quality system (internationally recognized quality certification systems	
equivalent to ISO will also be considered).	

N⁰	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	рН	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

Table 1. Water quality requirements (http://www.lex.uz/pages/GetAct.aspx?lact_id=1934624)

Table 2. The results of chemical analysis of water taken from the sites of Zhanadarya and Marzhankol,Takhtakupir district (year 2020):

N⁰	Indicators	UOM	Site name (w	ater intake)
			Zhanadarya EKOS	Marzhankol EKOS
			(February)	(March)
1	Odor at 20 and 60 ^o C	Score	0	0
2	Taste	Score	0	0
3	Color	Degrees	0	0
4	Turbidity	Mg/dm ³	0	0
5	Hydrogen index	рН	7,2	7,0
6	Ammonia (NH₃)	Mg/dm ³	Not detected	Not detected
7	Nitrite (NO ₂ ⁺³)	Mg/dm ³	Not detected	Not detected
8	Hardness general Σ (Ca+Mg)	Mg-экв/dm³	1,8	0,3
9	Chloride (CI)	Mg/dm ³	614,3	137,7
10	Alkalinity (HCO ₃)	Mg-экв/dm³	5,5	0,3
11	Total microbial count	Number of microbes in 1 cm ³ of	6	11
		water		
12	E. coli bacteria count (coli index)	Number of E. coli bacteria in 1 dm ³	3	3
		of water		

LOT NO.3						
Items to be Supplied	Description/Specifications of Goods	Q-ty	Latest Delivery Date			
WATER TREATMENT EQUIPMENT 0,5 M3/H	Designation: Provision of required quality drinking water that meet the drinking water norms of Uzbekistan	8 SETS	No more than 80 calendar			
0,0 110,11	Description of set: Compact, fully automatic pre-tested equipment including all necessary parts: control panel, pumps, dosage control devices, valves, filters, chemical containers etc. Equipment must provide water treatment in accordance to required drinking water quality as per Table 1, Annex 1.		days after signing PO by both parties			
	Technical specification: Minimum capacity: 0,5 m³/h . The output of desalinated water from the total amount supplied to the plant: 70%. Maximum desalinated water mineralization: 1.0 mg/l. The energy consumption for the desalination process (for 1 kg salt removed):					
	no more than 1 kW h/kg. Voltage: 220±5 V. Frequency: 50 Hz. Rated power (including heating): no more than 3 kW. Operating pressure in the hydraulic system at output: no more than 1,0 MPa (kgf/cm ²).					
	System mode: semi-automatic. Operating mode: around-the-clock with breaks for chemically one-off cleaning. Installation area: indoor. Set:					
	Stainless steel frame: 1 pc. High pressure pump 4 m3/h, 0,55 kW: 1 pc. Pressure gauge: 1 pc. Cleaning section with cartridge filters: 50 kg Material: quartz sand;					
	Removal of mechanical particles: yes; Filtration speed: not less than 16 I / min; Cleaning efficiency: not less than 50%; Porosity: 20 microns;					
	Lifespan: 2 years; <i>Mechanical pre-treatment section for the removal of compounds, chlorine</i> <i>and organochlorine compounds: 20kg</i> Material: Charcoal; Removal of organic compounds, chlorine and organochlorine compounds:					
	yes; Cleaning efficiency: not less than 50%; Porosity: 20 microns;					

LOT NO.3. SUPPLY AND INSTALLATION OF WATER TREATMENT EQUIPMENT 0,5 M3/H

Operating temperature: +5 - + 45 ° C;	
Operating pressure: 0,6-5 atm;	
Productivity: not less than 16 l / min;	
Lifespan: not less than 1 years;	
Mechanical pre-cleaning section: 25 kg.	
Material: Cation-exchange resin;	
Filtration efficiency: not less than 50%;	
Porosity: 20 microns;	
Operating temperature: +5 - + 45 ° C;	
Operating pressure: 0,6-5 atm;	
Productivity: not less than 16 l / min;	
Lifespan: not less than 1 years;	
Filter for preliminary fine mechanical purification (pre-filter): 1 pc	
Type of filtering medium: polypropylene fiber (filter length 50cm);	
Productivity: not less than 16 l / min;	
Porosity: 5 microns;	
Operating temperature: +5 - + 45 ° C;	
Capacity / resource, volume of treated water: 10 m3;	
Reverse osmosis membrane for water treatment at molecular level: 2 pcs.	
Material: Polyamide thin-film composite;	
Membrane: CSM (Korea) or Vontron ULP-21 or equivalent;	
Productivity: not less than 4.1 l / min;	
Maximum Operating temperature: +45 ° C;	
Maximum Operating pressure: 1,5 atm;	
Retention of impurities, including salts, viruses and bacteria:	
-maximum 99%	
-minimum 98%	
Lifespan: not less than 1 year;	
Built-in Centrifugal pump providing required water flow: 1 pc.	
Power consumption: 1.5 kW;	
Operating voltage: 220 V;	
Operating pressure: 9,8 atm;	
Provided Water flow: 33,3 l/min;	
Operating temperature: + 5 - +40 ° C;	
Body: all parts (nodes) must be pre-designed and pre-mounted.	
Components/consumables:	
a) Cation-exchange resin: 100 kg.	
b) Charcoal Filter: 60 кг.	
c) Pre-filter (polypropylene fiber): 100 pcs.	
d) Reverse Osmosis membranes: at least 4 pcs.	
Service lifetime: at least 3 years;	
Service life up to medium (overhaul) repair: at least 5 years.	
Control system:	
One controller (display) for all functionalities and information readings,	
preferably in Russian language, including automatic dosing.	

Manuals:	
For evaluation purposes all technical documentation, including operating maintenance and troubleshooting manuals, including log-books can be submitted in English. But they all must be in Russian language when equipment is delivered.	
Certification and Standards:	
The offered equipment must be from a manufacturer adhering to ISO 9001 quality system (internationally recognized quality certification systems equivalent to ISO will also be considered).	

Table 1. Water quality requirements (<u>http://www.lex.uz/pages/GetAct.aspx?lact_id=1934624</u>)

N⁰	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	рН	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

Table 2 – Existing raw water analysis: Extended chemical characteristics.

N⁰	Variable	Unit	Sample 1	Sample 2
1	Turbidity	mg/dm3	0,5	2
2	Color	Degrees	1	1
3	Hardness	meq/L	3.0	2.5
4	Hydrogen index	рН	6.88	6.77
5	Iron (Fe general)	mg/l	560	320
6	Iron 2⁺(водораствор.)	mg/l	<0.1	<0.1
7	Marganese, Mn	mg/l	0.06	0.06
8	Sodium	mg/l	1510.6	1411.8
9	Calcium	mg/l	40.08	32.06
10	Potassium	mg/l	20	18
11	Magnesium	mg/l	12,3	11,1
12	Sulphates	mg/l	1161	1094
13	Chlorides	mg/l	935.8	888.5
14	HCO3	mg/l	610	682
15	Alkalinity	meq/L	9	7.4
16	Total mineralization (dry residue)	mg/l	4296	3964

Table 3 – Information on the planned locations for installation of WATER DISTRIBUTION EQUIPMENT WITH A CAPACITY OF 0.5 M3 / HOUR.

No	Site locations				
1	Republic of Karakalpakstan, Kegeyli district of Rural gathering of citizens Zhanabazar				
2	Republic of Karakalpakstan, Bozataw district, Rural gathering of citizens Koksuu, Aul Tileuzhykkyn				
3	Republic of Karakalpakstan, Bozataw district, Rural gathering of citizensKuskhanataw , Aul KS 1				
4	Republic of Karakalpakstan, Bozata2 district, Rural gathering of citizens Erkindarya, Kabak aul				
5	Republic of Karakalpakstan, Chimbay district, Rural gathering of citizens Pashentaw, Bayjen aul				
6	Republic of Karakalpakstan, Takhtakupir district, Rural gathering of citizens Kostruba				
7	Republic of Karakalpakstan, Muynak district, Rural gathering of citizens Ushsay, school # 6				
8	Republic of Karakalpakstan, Muynak district, Muynak city, school # 1				

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/060/20**.

TABLE 1: Offer to Supply Goods Compliant with Technical Specifications and Requirements

Description/Specification of	Q-ty	Description/Technical	Latest Delivery Date	Unit Price	Total Price	
Goods		Specification	(calendar days)	(currency)	(currency)	
WATER TREATMENT	1 set					
EQUIPMENT 8 M3/H,						
MARZHANKOL FOR LOT No.1						
Amount:						
Cost of transportation:						
Cost of installation, commissi	oning,	training: Karakaplakstar	n, Takhtakupir district,			
community «Marzhankol»						
Other charges (specify):						
VAT (if applicable to local vendors	5):					
TOTAL AMOUNT OF LOT 1, INCLU	JDING A	LL THE COSTS:				
WATER TREATMENT	1 set					
EQUIPMENT 10 M3/H,						
ZHANADARYA FOR LOT No.2						
Amount:						
Cost of transportation:						
Cost of installation, commissi	oning,	training: Karakaplakstar	n, Takhtakupir district,			
community «Zhanadarya»						
Other charges (specify):						
VAT (if applicable to local vendors	5):					
TOTAL AMOUNT OF LOT 2, INCLU	JDING A	LL THE COSTS:				
WATER TREATMENT EQUIPMENT	8 sets					
0,5 M3/H, FOR LOT No.3						
Total amount for 8 sets:						
Cost of transportation for 8 sets:						
Cost of installation, commissioni	ng, trair	ning				
Other charges (specify):						
VAT (if applicable to local vendors	/AT (if applicable to local vendors):					
TOTAL AMOUNT OF LOT 3, INCLU	JDING A	LL THE COSTS:				

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

[Date]

Other Information pertaining to our Quotation	Your Responses		
are as follows:	Yes, we will comply	No, we cannot comply	lf you cannot comply, pls. indicate counter proposal
The term of delivery of equipment, Lot 1/2 within 80 and Lot 3 within 90 calendar days from the date of signing the Contract by both Parties			
Full compliance of each proposed equipment specification			
Country / country of origin ⁷			
Warranty and After-Sales Requirements			
 a) Warranty on Goods and spare parts for a minimum period of 12 consecutive months; 			
 b) Technical Support; c) Elimination of inconsistencies and malfunctions during the warranty period, including delivery and replacement; replacement with completely new item if the delivered one does not comply with the Specification or cannot be repaired. 			
Period of Validity of Quotes starting the Submission Date 90 days			
Acceptance of the UNDP General Terms and Conditions			

Table 3 – Offer to Comply with Other Conditions and Related Requirements

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

⁷ In case the country of origin of the goods requires provision of the export licenses for the goods or any other documents that might be demanded by the receiving country, the vendor must provide copies of such documents to UNDP upon being awarded for the Contract

Table 4 – Table of technical compliance of the offered goods	Table 4 –	Table of technical	compliance	of the offered goods
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Table 4 – <u>Table of technical compliance of the offered good</u>	1
Description / Specifications of Goods (required by UNDP)	Description / Specifications of Goods (offered by Supplier) ⁸ Please indicate parameters of the offered goods Please indicate for the offered goods: Model: Manufacturer:
	Country of origin:
LOT NO.1. SUPPLY AND INSTALLATION OF WATER TR	EATMENT EQUIPMENT 8 M3/H, MARZHANKOL
Designation: Provision of required quality drinking water that meet the drinking water norms of Uzbekistan	
Description of set:	
Compact, fully automatic pre-tested equipment including all necessary parts: control panel, pumps, dosage control devices, valves, filters, chemical containers etc. Equipment must provide water treatment in accordance to required drinking water quality as per Table 1, Annex 1.	
Technical specification:	
Minimum capacity: $8 \text{ m}^3/\text{h}$.	
The output of desalinated water from the total amount supplied to the plant: 50-70%. Maximum desalinated water mineralization: 1000мг/л.	
The energy consumption for the desalination process (for 1 kg salt removed): no more than 1 kW h/kg. Voltage: 380 V.	
Frequency: 50 Hz. Rated power (including heating): no more than 30 kW. Operating pressure in the hydraulic system at input: no less than 0,7 MPa (kgf/cm ²).	
Operating pressure in the hydraulic system at output: no more than 1,0 MPa (kgf/cm ²). System mode: automatic.	
Operating mode: around-the-clock with breaks for chemically one-off cleaning. Installation area: indoor.	
Set:	
Stainless steel frame: 1 pc. High pressure pump 8-12 m3/h, 1,5-3,0 kW: 1 pc. Pressure gauge: 1 pc.	
Cleaning section with cartridge filters up to 0,5 microns: at least 10 pcs. Charcoal cleaning section with automatic head: 150-250	
kg.	

⁸ Please provide description of offered product, model and brand name, that must meet minimum technical specifications provided in Annex 1 above

Quartz sand cleaning section with automatic head: 600- 800 κг.	
Antiscalant dosing station with automatic dosage device: 20-30 liters.	
Desalination unit with reverse osmosis membranes: at	
least 8 pcs.	
Vertical Multistage Centrifugal Pump 8-11 kW: 1 pc.	
Body: all parts (nodes) must be pre-designed and pre-	
mounted.	
Components/consumables:	
a) Antiscalant (in a canister of 25I): 200 liters.	
b) activated charcoal (in begs of 20 kg): 400 кг.	
c) Cartridge filters, 0.5 microns 0,5 micron: 100 pcs.	
d) Reverse Osmosis membranes GSM: at least 8 pcs.	
Overall dimensions of the room where the system will be installed:	
Length: 5600 mm.	
Width: 4800 mm.	
Height: 3000 mm.	
Service life time: at least 3 years;	
Service life up to medium (overhaul) repair: at least 5	
years.	
Control system:	
One controller (display) for all functionalities and	
information readings, preferably in Russian language,	
including automatic dosing.	
Manuals:	
For evaluation purposes all technical documentation,	
including operating, maintenance and troubleshooting	
manuals, including log-books can be submitted in	
English. But, they all must be in Russian language when	
equipment is delivered.	
Certification and Standards:	
The offered equipment must be from a manufacturer	
adhering to ISO 9001 quality system (internationally	
recognized quality certification systems equivalent to	
ISO will also be considered).	
LOT NO.2. SUPPLY AND INSTALLATION OF WATER TRI	EATMENT EQUIPMENT 10 M3/H, ZHANADARYA
Designation:	
Provision of required quality drinking water that meet the	
drinking water norms of Uzbekistan	
Description of set:	
Compact, fully automatic pre-tested equipment including	
all necessary parts: control panel, pumps, dosage control	
devices, valves, filters, chemical containers etc.	
Equipment must provide water treatment in accordance	
to required drinking water quality as per Table 1, Annex 1.	
Technical specification:	
Minimum capacity: 10 m³/h .	

The output of desalinated water from the total amount	
supplied to the plant: 50-70%.	
Maximum desalinated water mineralization: 1000мг/л.	
The energy consumption for the desalination process (for	
1 kg salt removed): no more than 1 kW h/kg.	
Voltage: 380 V.	
Frequency: 50 Hz.	
Rated power (including heating): no more than 30 kW.	
Operating pressure in the hydraulic system at input: no	
less than 0,7 MPa (kgf/cm ²).	
Operating pressure in the hydraulic system at output: no	
more than 1,0 MPa (kgf/cm ²).	
System mode: automatic.	
Operating mode: around-the-clock with breaks for	
chemically one-off cleaning.	
Installation area: indoor.	
Set: Stainless steel frame: 1 pc.	
High pressure pump 8-12 m3/h, 1,5-3,0 kW: 1 pc.	
Pressure gauge: 1 pc.	
Cleaning section with cartridge filters up to 0,5 microns:	
at least 10 pcs.	
Charcoal cleaning section with automatic head: 150-250	
kg.	
Quartz sand cleaning section with automatic head: 600-	
800 кг.	
Antiscalant dosing station with automatic dosage device:	
20-30 liters.	
Desalination unit with reverse osmosis membranes: at	
least 10 pcs.	
Vertical Multistage Centrifugal Pump 8-11 kW: 1 pc.	
Body: all parts (nodes) must be pre-designed and pre-	
mounted.	
Components/consumables:	
a) Antiscalant (in a canister of 25I): 200 liters.	
b) activated charcoal (in begs of 20 kg): 400 кг.	
c) Cartridge filters, 0.5 microns 0,5 micron: 100 pcs.	
d) Reverse Osmosis membranes GSM: at least 10 pcs.	
Overall dimensions of the room where the system will be	
installed:	
Length: 5400 mm.	
Width: 5000 mm.	
Height: 4000 mm.	
Service life time: at least 3 years;	
Service life up to medium (overhaul) repair: at least 5	
years.	
Control system:	
One controller (display) for all functionalities and	
information readings, preferably in Russian language,	
including automatic dosing.	

Manuals:	
For evaluation purposes all technical documentation,	
including operating, maintenance and troubleshooting	
manuals, including log-books can be submitted in English.	
But, they all must be in Russian language when equipment	
is delivered.	
Certification and Standards:	
The offered equipment must be from a manufacturer	
adhering to ISO 9001 quality system (internationally	
recognized quality certification systems equivalent to ISO	
will also be considered).	
LOT NO.3. SUPPLY AND INSTALLATION OF WA	TER TREATMENT FOUIPMENT 0.5 M3/H
Designation:	
Provision of required quality drinking water that meet the	
drinking water norms of Uzbekistan	
Description of set:	
Compact, fully automatic pre-tested equipment including	
all necessary parts: control panel, pumps, dosage control	
devices, valves, filters, chemical containers etc.	
Equipment must provide water treatment in accordance	
to required drinking water quality as per Table 1, Annex 1.	
Technical specification:	
Minimum capacity: 0,5 m³/h .	
The output of desalinated water from the total amount	
supplied to the plant: 70%.	
Maximum desalinated water mineralization: 1.0 mg/l.	
The energy consumption for the desalination process (for	
1 kg salt removed): no more than 1 kW h/kg.	
Voltage: 220±5 V.	
Frequency: 50 Hz.	
Rated power (including heating): no more than 3 kW.	
Operating pressure in the hydraulic system at output: no	
more than 1,0 MPa (kgf/cm ²).	
System mode: semi-automatic.	
, Operating mode: around-the-clock with breaks for	
chemically one-off cleaning.	
Installation area: indoor.	
Set:	
Stainless steel frame: 1 pc.	
High pressure pump 4 m3/h, 0,55 kW: 1 pc.	
Pressure gauge: 1 pc.	
Cleaning section with cartridge filters: 50 kg	
Material: quartz sand;	
Removal of mechanical particles: yes;	
Filtration speed: not less than 16 l / min;	
Cleaning efficiency: not less than 50%;	
Porosity: 20 microns;	
Lifespan: 2 years;	
Lincspan. 2 years,	

Mechanical pre-treatment section for the removal of
compounds, chlorine and organochlorine compounds:
20kg
Material: Charcoal;
Removal of organic compounds, chlorine and
organochlorine compounds: yes;
Cleaning efficiency: not less than 50%;
Porosity: 20 microns;
Operating temperature: +5 - + 45 ° C;
Operating pressure: 0,6-5 atm;
Productivity: not less than 16 l / min;
Lifespan: not less than 1 year;
Mechanical pre-cleaning section: 20 kg.
Material: Cation-exchange resin;
Filtration efficiency: not less than 50%;
Porosity: 20 microns;
Operating temperature: +5 - + 45 ° C;
Operating pressure: 0,6-5 atm;
Productivity: not less than 16 l / min;
Lifespan: not less than 1 year;
Filter for preliminary fine mechanical purification (pre-
filter): 1 pc
Type of filtering medium: polypropylene fiber (filter
length 50cm);
Productivity: not less than 16 l / min;
Porosity: 5 microns;
Operating temperature: +5 - + 45 ° C;
Capacity / resource, volume of treated water: 10 m3;
Reverse osmosis membrane for water treatment at
molecular level: 2 pcs.
Material: Polyamide thin-film composite;
Membrane: CSM (Korea) or Vontron ULP-21 or
equivalent;
Productivity: not less than 4.1 l / min;
Maximum Operating temperature: + 45 ° C;
Maximum Operating pressure: 1,5 atm;
Retention of impurities, including salts, viruses and
bacteria:
-maximum 98%
-minimum 96%
Lifespan: not less than 1 years;
Built-in Centrifugal pump providing required water flow:
1 pc.
Power consumption: 1.5 kW;
Operating voltage: 220 V;
Operating pressure: 9,8 atm;
Provided Water flow: 33,3 l/min;
Operating temperature: + 5 - +40 ° C;

Body: all parts (nodes) must be pre-designed and pre- mounted.	
Components/consumables:	
a) Cation-exchange resin: 100 kg.	
b) Charcoal Filter: 60 кг.	
c) Pre-filter (polypropylene fiber): 100 pcs.	
d) Reverse Osmosis membranes: at least 4 pcs.	
Service lifetime: at least 3 years;	
Service life up to medium (overhaul) repair: at least 5	
years.	
Control system:	
One controller (display) for all functionalities and	
information readings, preferably in Russian language,	
including automatic dosing.	
Manuals:	
For evaluation purposes all technical documentation,	
including operating, maintenance and troubleshooting	
manuals, including log-books can be submitted in English.	
But they all must be in Russian language when equipment	
is delivered.	
Certification and Standards:	
The offered equipment must be from a manufacturer	
adhering to ISO 9001 quality system (internationally	
recognized quality certification systems equivalent to ISO	
will also be considered).	

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.

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 Locat	ion: [insert Bidder's year of reg	istration]		
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/ie registration]	8. Legal Address/es in Country/ies of Registration/Operation ⁹ : [insert Bidder's legal address in country of registration]			
9. Value and Description of Top ty	wo (2) Biggest Contracts for the	e 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				

⁹ 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 signed for the supply and installation of electrified water pumps and/or water pump stations stations