

  	BAGUIO WATER DISTRICT BWD Compound, Utility Road, Baguio City 2600		Document No.	ADM-PUR-F003
	REQUEST FOR BIDS/QUOTATION (RQ)		Revision Date	October 29, 2019
			Revision No.	02

To:	_____	RQ No.:	01 – JO – 004
	(Name of Supplier)	PR / JO No.:	JO – 004
Contact Person:	_____	Date of RQ:	January 9, 2024
Address:	_____	Purpose of RQ:	Treatment of oil and grease at Camp Allen Pumping Station
Contact no.:	_____		

NOTE: DATA REQUIRED MUST BE FILLED UP COMPLETELY. FAILURE TO INDICATE THE PRICE VALIDITY, TERMS, WARRANTY PERIOD AND DELIVERY PERIOD SHALL MEAN OUTRIGHT DISQUALIFICATION OF BIDS							
	Qty.	Description			U-Price	Total	
VALIDITY DATE: _____ day (30 days minimum) DELIVERY: _____ working days _____ calendar days _____ FOB warehouse WARRANTY _____ calendar days upon acceptance. TERMS:	1 lot	Supply, Delivery, Installation and Commissioning of 1 unit 20-Ft Containerized Ultra-Filtration System Permeate Capacity 70 m3 / hr					
		DESIGN BASIS					
		Equipment	% Recovery	Flow Rate	Unit		
		Total Feed to Ultra-Filtration System	-	72.50	M³/hr.		
		No. of Ultra-Filtration Skid	-	1	No.		
		Ultra-Filtration System Feed	95%	72.50	M³/hr.		
		Ultra-Filtration Permeate		70.00	M³/hr.		
		Ultra-Filtration Reject		2.50	M³/hr.		
		FEED WATER ANALYSIS					
		Sr. No.	Parameter	Values	Unit		
		1	Feed Water Source	Surface water			
		2	pH	7.5 -8.5	mg/lit		
		3	Turbidity	30- 50	NTU		
		4	Total Suspended Solid	50-100	mg/lit		
		5	Total Dissolved Solids	100-5000	mg/lit		
6	Oil & Grease	0-15	mg/lit				
7	COD	< 200	mg/lit				
8	BOD	< 30	mg/lit				
NOTE: The system is designed based on the feed water analysis considered in column of design. If any changes in the feed water parameters exceeding 5% of value mentioned in feed water may affect the treated water quality and / or quantity. Raw water temperature is considered as 25°C throughout the year for design purpose.							
TREATED WATER QUALITY							
Sr. No.	Parameter	Values	Unit				
1	pH	7.5 -8.5	mg/lit				
2	Turbidity	< 0.1	NTU				
3	Oil & Grease	< 1	mg/lit				
4	Total Suspended Solid	Nil	mg/lit				



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		5	COD	< 100	mg/lit					
		6	BOD	< 30	mg/lit					
		TECHNICAL SPECIFICATION								
		UF FEED CUM CIP PUMP:								
		Component		Specification						
		Quantity		1 Nos. (W)						
		Material of Construction		Casing & Impeller: SS 316						
		Capacity (Each)		70.00 m³/hr. @ 3.0 Bar						
		Type		Horizontal Centrifugal Pump						
		Voltage / Phase		60 Hz / 440VAC / 3 phases						
		VFD		NA						
		Accessories		Location						
		Manual Valves		Suction & Discharge of Pump						
		Non-Return Valve		Discharge of Pump						
		Sampling Valve		Discharge of Pump						
		Pressure Gauge		Discharge of Pump						
		Skid Piping		uPVC Sch 40						
		PRE-FILTRATION:								
		Component		Specification						
		Quantity		1 No. (W)						
		Material of Construction		UPVC Housing – 2 Nos. Cartilages						
		Capacity (Each)		70.00 m³/hr. @ 3.0 Bar						
		Type		Autoback wash Vertical cartridge						
		Voltage / Phase		60 Hz / 440VAC / 3 phases						
		VFD		NA						
		Accessories		Location						
		Manual Valves		Suction & Discharge of Pump						
		Non-Return Valve		Discharge of Pump						
		Sampling Valve		Discharge of Pump						
		Pressure Gauge		Discharge of Pump						
		Skid Piping		uPVC Sch 40						
		ULTRA-FILTRATION MEMBRANE SKID:								
		Component		Specification						
		Quantity		1 Set (W)						
		Net Permeate		70 M³/Hr.						
		Type		Hollow Fiber						
		No of Modules		30 Nos.						
		MOC		PAN (Poly Alco Nitrile)						
		Accessories		Location						
		Skid Valves		Pneumatically Actuated Valves						
		Sampling valve		At Outlet						
		Pressure Switch		At Inlet & Backwash Header						
		Flow Indicator		At Inlet						

Flow Transmitter	At Outlet
Skid Piping	uPVC Sch 40
Skid Frame	Containerized MS Painted
UF CIP TANK:	
Component	Specification
Tank	
Quantity	1 No.
MF Feed Tank Capacity	10,000 L
Material of Construction	HDPE
Accessories	
Level Switch	1 No. Provided
Drain Valve	Provided
Skid Piping	uPVC Sch 40
UF BACKWASH CUM CIP PUMP:	
Component	Specification
Quantity	1 Nos. (Working)
Material of construction	Casing & Impeller: SS 316
Capacity	105.0 m³/Hr. @ 2.0 Bar
Type	Horizontal Centrifugal Pump
Voltage / Phase	60 Hz/440VAC / 3 phases
Manual valves	Suction & Discharge of Pump
Non-Return Valve	Discharge of Pump
Sampling valve	Discharge of Pump
AIR COMPRESSOR:	
Component	Specification
Quantity	1 No. (1 Working)
Material of construction	CI
Capacity	220 m³/hr. @ 12 Bar
Voltage / Phase	60 Hz/440VAC / 3 phases
Accessories	Location
Pressure Reducing Valve	At MF Air Line
Air Flow Regulator Unit	At Instrument Air Line
Skid Piping	GI C Class
CONTROL PANEL & INSTRUMENTATION:	
Component	Specification
Panel	PLC Based
Panel Box	MS Powder Coated
Electrical cable (Within Skid)	Flexible / Armored
HMI	7", Touch Screen Color
Rotameter	UF Inlet
Electromagnetic Flowmeter 4-20 mA	UF Permeate
Electromagnetic Flowmeter 4-20 mA	UF Backwash
Approved Budget Cost: ₱25,000,000.00 / lot	
Please see attached Terms of Reference (TOR)	

		<p style="text-align: center;">X X X X X</p> <p>This is a two (2) envelope system: Envelope “A” to contain the following, among others:</p> <p>a) A refundable bid bond in the form of cash, a manager's or cashier's check equivalent to 2%, or a surety bond callable on demand issued by a surety or insurance company duly certified by the Insurance Commission equivalent to 5% of the total approved budget cost is required for a total purchase bid amount of ₱ 50,000.00 and above. The validity of the surety bond is 120 days from the date of opening of bids OR Bid Securing declaration, regardless of the amount of bid.</p> <p>b) Terms of payment, delivery, warranty, bid validity, and complete specifications;</p> <p>c) Brochure(s) (Original);</p> <p>d) Proof of payment of a non-refundable fee of ₱25,000.00; otherwise, bids shall not be opened</p> <p>e) Certificate of Authorized Distributorship or Dealership issued by the Principal Supplier to the participating bidder (with red ribbon) if none has been submitted to the BAC in its Accreditation; -For bidders who have principal foreign suppliers, the BWD-BAC shall accept an Apostilled Certificate of Authorized Distributorship or Dealership issued by a competent authority of the host government in lieu of the Certificate of Authorized Distributorship or Dealership (with red ribbon), except for non-contracting countries to the Apostille Convention, which still require the red ribbon requirement. -For locally produced or manufactured products, only a certificate of Authorized Distributorship or Dealership without a red ribbon is required, if applicable.</p> <p>f) ISO Certificate issued to the principal supplier or participating bidder for the offered material or equipment brand name (if none has been submitted to the BAC in its Accreditation);</p> <p>g) International Certificate of Warranty</p> <p>Envelope “B” to contain the bid cost per unit.</p> <p>Pre-bid conference: January 19, 2024 9:30am via Zoom Application Meeting ID: 452 718 8447 Password: 9Buvqr</p>		
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By: Supplier or Authorized Representative: _____ (sign over printed name)

Deadline of submission of bids: January 31, 2024 **Opening of bids:** 1:30 pm

Prepared by: For: MGLamangan **Noted by:** ATTY. MA. LUISA C. TENEDERO ENGR. REYNALDO C. JAYCO

PURCHASING **BAC IN-HOUSE** **BAC-TECHNICAL**

**BWD RESERVES THE RIGHT TO REJECT BIDS &/OR DECLARE A FAILURE OF BIDDING
PURSUANT TO THE PERTINENT PROVISIONS OF RA 9184**

Telefax No. (074) 442-4858 (Purchasing) / 444-7246