



# OREGON STATE UNIVERSITY REQUEST FOR QUOTE (RFQ)

		<b>ISSUE DATE:</b>	6/1/17		
<b>RFQ #</b>	<b>MA188804Q</b>	<b>RFQ DUE DATE:</b>	<b>6/8/17 @ 1:30 PM</b>		
<b>DELIVER TO:</b>		<b>REQUESTED BY / RETURN QUOTE TO:</b>			
<b>DEPARTMENT:</b>	PCMM	<b>NAME:</b>	Michele Andersen		
<b>ADDRESS:</b>	644 SW 13 <sup>th</sup> Street	<b>E-MAIL:</b>	<a href="mailto:michele.andersen@oregonstate.edu">michele.andersen@oregonstate.edu</a>		
<b>CITY, STATE ZIP:</b>	Corvallis, Oregon 97333	<b>TELEPHONE:</b>	541-737-3667		
<b>REQUIRED DELIVERY DATE:</b>	ASAP	<b>FAX:</b>	541-737-2170		
ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL PRICE
1	<p>Reverse Osmosis System</p> <p>Requirements:</p> <ul style="list-style-type: none"> <li>Maximum 13 ft x 40 in x 6 ft (LxWxH)</li> </ul> <p>Control Unit specs</p> <ul style="list-style-type: none"> <li>208 volts, 3 phase, 60 hertz power supply</li> <li>Panasonic HMI Touchscreen (Delivery Screen, RO Screen, Alarm Screen, Tank Level Screen)</li> <li>Signet Resistivity meter 2 channel</li> <li>Digital Resistivity Meter 1 cell RO quality</li> <li>Digital Resistivity Meter 2 cell (DI#1 and DI#2)</li> <li>All alarms need to go through the PLC and shut system down to avoid flooding.</li> <li>Low quality alarm</li> <li>High level alarm</li> <li>Low level protection alarm</li> </ul> <p>RO Specs</p> <ul style="list-style-type: none"> <li>Must be expandable to 3+gpm</li> <li>Grundfos CRI3-9 stainless steel multistage pump 1.5 HP</li> <li>Low pressure pump shutoff safety switch</li> <li>Wika differential pressure Gauges</li> <li>Wika pressure gauges (Pump Output, Concentrate, &amp; Recycle)</li> <li>Hydronic Commercial grade filter housings for 2.5" x 20" filters</li> <li>Granzow nickel plated solenoid valve</li> <li>Hydronic HI-Flux Stainless Steel reverse osmosis housings</li> <li>Global Aqua RO elements</li> <li>Puregen Stainless Steel needle valves</li> <li>Hydronic Flow Meters</li> </ul> <p>DI Specs</p> <ul style="list-style-type: none"> <li>Recirculates</li> <li>.5 HP CRI11-6 Grundfoss stainless steel pump</li> <li>Valve between pump and tank to isolate tank from pump</li> <li>Back Pressure regulator valve</li> <li>Asahi 3-way valve By-pass the filters to allow for no downtime while changing filters</li> <li>ALL hard Piping is PVC schedule 80</li> <li>ALL tubing shall be polyethylene</li> <li>High Pressure DI compatible hose for DI Tanks</li> <li>King Instrument's flow meter to circulate water through the tank.</li> <li>Turck proximity switches (LED lights indicates open or closed)</li> <li>1" valve to feed water from DI storage tank.</li> </ul> <p>Containment</p> <ul style="list-style-type: none"> <li>Polypropylene spill containment tray. At least 1/2 inch thick to withstand weight and structural integrity</li> </ul>	1	EA		



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	<ul style="list-style-type: none"> <li>• Float switch in containment tray tied into the PLC to shut system down if it tripped. This includes 3/4" solenoid valve on incoming water supply.</li> <li>• Valve in containment tray to evacuate water.</li> <li>• UV lamp</li> <li>• Atlantic UV MP36C 12 GPM unit on the DI Delivery system.</li> </ul> <p>Date Recording</p> <ul style="list-style-type: none"> <li>• Endress and Hauer digital chart recorder</li> <li>• Ethernet connect ability to remote monitor water quality.</li> </ul> <p>Storage Tank:</p> <ul style="list-style-type: none"> <li>• Storage Tank is at least a 210-gallon polyethylene tank with hydronic 2.5" x 10" filter housing.</li> <li>• Sight tube on outside of tank to install the proximity sensors.</li> </ul> <p>Existing storage tank:</p> <ul style="list-style-type: none"> <li>• Proximity sensors on a sight tube on outside of existing tank to control feed water to it.</li> <li>• At least a 3/4" stainless steel actuator valve to shut off supply going to existing tank.</li> <li>• Framework needs to be able to accommodate an additional RO membrane and a larger RO Grundfos pump.</li> </ul>				
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<b>Delivery is f.o.b. destination, prepaid and allowed. Shipping, freight and handling must be included in quoted prices. Additional costs for such are disallowed.</b>	<b>TOTAL</b>
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<b>DELIVERY TIME AFTER RECEIPT OF ORDER:</b>	<b>PRICES VALID THROUGH:</b>
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<b>SPECIAL INSTRUCTIONS:</b>	<b>VENDOR INFORMATION:</b>	
<ol style="list-style-type: none"> <li>1. Unless otherwise specified, all items quoted are to be new, unused and not remanufactured in any way.</li> <li>2. Brand names are for the purpose of describing and establishing the characteristics desired and are not intended to limit or restrict competition. Quoters may submit quotes for substantially equivalent products unless the RFQ provides that a specific brand is necessary because of compatibility requirements, etc. All such brand substitutions shall be subject to approval by OSU.</li> <li>3. Quoters must clearly identify all products quoted. Brand name and model or number must be shown.</li> <li>4. Only documents issued as addenda by OSU serve to change the RFQ in any way.</li> <li>5. OSU reserves the right to make the award by item, partial or whole lots, groups of items or entire quote, whichever is in the best interest of OSU.</li> <li>6. OSU may reject any Quote not in compliance with the RFQ, attachments, and addenda, or if it is in the best interest of OSU.</li> <li>7. This RFQ form must be completed, signed and returned with all required documents.</li> </ol>	<b>COMPANY:</b>	
	<b>ADDRESS:</b>	
	<b>CITY, STATE, ZIP:</b>	
	<b>CONTACT NAME:</b>	
	<b>E-MAIL:</b>	
	<b>TELEPHONE:</b>	
	<b>FAX:</b>	
	<b>VENDOR SIGNATURE:</b>	
	<i>By signature below the undersigned certifies that they are authorized to act on behalf of the quoter and will comply with all aspects of the quote herein.</i>	
	<b>SIGNATURE:</b>	
	<b>NAME/TITLE:</b>	

This procurement is subject to the indicated Oregon State University Standard Terms and Conditions for:  Goods  Services  Purchase Order Construction  Software. The indicated terms and conditions may be viewed at <http://pacs.oregonstate.edu/terms-and-conditions>