

OREGON STATE UNIVERSITY REQUEST FOR QUOTE (RFQ)

				ISSUE DATE:		August 22, 2012				
RFQ#		JF161047Q		RFQ DUE DATE:		September 4, 2012 2:00 PM PST				
		DELIVER TO:		REQUESTED BY / RETURN QUOTE TO:						
DEPARTMENT: Facilities Services				NAME: James			nes Fig	Figgins		
ADDRESS: 560 SW 1		560 SW 15 th Street	15 th Street			James.figgins@oregonstate.edu				
CITY, STATE ZIP:		Corvallis, Oregon 97333		TELEPHONE:		541-737-6995				
REQUIRED DELIVERY DATE: October			19, 2012	FAX: 541-737-2170						
ITEM	DESCRIPTION	DESCRIPTION			Q	ΓY	UNIT	UNIT PRICE	TOTAL PRICE	
1	Reverse Osr	chment A)	1		EA					
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		lestination, prepaid ar in quoted prices. Add					ing	TOTAL		
		TER RECEIPT OF ORDE		such are disan	PRICES VALID TH			Antensi i ana di Antensi		
	AL INSTRUC			VENDOR INFORMATION:						
1. Unle	ss otherwise spe	ecified, all items quoted are not remanufactured in any	COMPANY:		Oix	31 YI C	ANNA IIC			
way.		•	ADDRESS:			*****			VIII VIII VIII VIII VIII VIII VIII VII	
and es	tablishing the o	r the purpose of describing characteristics desired and	CITY, STATE, ZIP:							
Quoters	s may submit	mit or restrict competition. quotes for substantially						***************************************		
		less the RFQ provides that necessary because of	CONTACT NAME:							
		ents, etc. All such brand abject to approval by OSU.	E-MAIL:							
		early identify all products and model or number must	TELEPHONE:							
be show	vn.	sued as addenda by OSU	FAX: VENDOR SIGNATURE:							
serve to	change the RF		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.							
item, pa	artial or whole lo	ts, groups of items or entire the best interest of OSU.	SIGNATURE:		y wit	n an c	ispecis or	ine quote nerein.		
6. OSU with the	may reject any	y Quote not in compliance ents, and addenda, or if it is	NAME/TITLE:							
This p	rocurement is	s subject to the indicate	d Oregon State Un	iversity Standa	rd T	erm	s and Co	nditions for:	Goods	

http://pacs.oregonstate.edu/terms-and-conditions

ATTACHMENT A

Description: Reverse Osmosis / DI System (Gilbert Addition)

CONTROL SYSTEM:

208/240 Volt, 3 Phase, 60 Hertz

UL 508 A control panel label

Fiberglass Nema Enclosure

Touchscreen controls / Alarm identification screen

PLC control system

Digital resistivity meter 2 cell (RO quality / DI quality)

Low quality alarm tied into the PLC control system

High level protection tied into the PLC control system

Low level protection tied into the PLC control system

110 Volt outlet to supply power to resistivity indicator light

REVERSE OSMOSIS COMPONENTS: 1+ GPM (Expandable to 4 GPM)

Steel frame / powder coated: Sized to fit thru a 34" door way

1.5 stainless steel multistage pump: Grundfos CRI3-9

Low pressure pump shut-off switch (adjustable)

2.5" x 20" filter housing with differential pressure gauges

Stainless steel control panel

Pre-filter and post-filter pressure gauges: 4 Panel Mount Gauges

1 Hi-flux stainless steel reverse osmosis housings

1 reverse osmosis elements

Stainless steel needle valves

Feed, and concentrate flow meters 3 each (0 - 10 gpm)

Feed and concentration pressure gauges

DI WATER RECIRCULATING SYSTEM: 8 GPM

Steel frame / powder coated: Sized to fit thru a 34" door way

.5 HP stainless steel multistage pump: Grundfos

Ball valve between pump and tank (simplify pump repair / replacement)

Back-pressure regulator valve: Pump protect from clogged filter

Back-pressure regulator valve: By-pass into the tank

2.5" x 20" filter housing with differential pressure gauges (Pre-DI)

2.5" x 20" filter housing with differential pressure gauges (Post-DI)

Resistivity indicator light for (1st Mixed Bed Tank)

By-pass to change filters and DI Tanks

Plumbing material (PVC schedule 80 and Polyethylene tubing)

High pressure DI compatible hose for DI tanks

TANK AND ACCESSORIES:

(2) 100 gallon tank:

Bulk head fittings for tank penetrations

.5" polypropylene float switches

2.5" x 10" clear filter housing (1 micron to pre-filter air)

Connection plumbing to cycle water through both tanks

SPILL CONTAINMENT HIGH LEVEL AND ALARM SYSTEM PACKAGE:

Polypropylene spill containment tray

Float switch located in spill tray tied to PLC controls

3/4" Actuactor valve tied to high level alarm (shut-off supply water)

ULTRAVIOLET LAMP ASSEMBLY:

Atlantic UV light MP36C

12 GPM unit Stainless steel construction Pre-installed and integrated into the DI delivery system

DIGTIAL CHART RECORDER (6 Inputs to record events)

Chart RO quality Chart DI quality

Ethernet connect on status of water quality (Remote Location)

* Remote viewing from PC with propritiery softener (6 Data Points)

NOTE: Frame for RO system will have space to expands the number of membranes from 1 to 3 and accommodate a large RO pump.

Frame for DI system will have space to accommodate a larger pump in order to recirculate through a building or add capacity.