

Baba Farid University of Health Sciences

Faridkot

Annexure-VI

Tender for supply & installation of ULTRAPURE WATER PURIFICATION SYSTEM

Name and Address of Bidder			
Sr.No.	Name of Item with specifications	Name of Bidder Brand/Make	Total Amount in Rs. Including all Taxes per Unit.
1			
1	ULTRAPURE WATER PURIFICATION SYSTEM		
	<p><u>Pretreatment system:</u></p> <ul style="list-style-type: none">• Three stage pretreatment system with 10, 5 & 1 micron spun filters 10" long for removal of suspended particles and to take care of F.I. and Chlorine in feed water.• The system should respond favourably to feed water having Fouling Index (FI) approx 10, total Free Chlorine <0.5 ppm and Feed Water Conductivity upto 2000 µs/cm; maximum silica 30 ppm.• Three stage purification process; primary purification by a Prefiltration secondary purification through RO membrane, DI bacteria counts are low and provide Type II water. System should have unique integral recirculation ensures optimum water quality at point of dispense.• System should be GLP compliance documentation. (GLP compliance is must as we require to work on ultra sensitive tests.• System should have option to connect printer through RS 232 for data recording and traceability. (We need to record the data by taking printouts periodically for QA i.e no manual recording or manipulation).• System should be supplied with 50 to 75L reservoir with vent filter and recirculation facility		

	<p>Product Water Type II Quality : Resistivity : 10 to 15 mΩ at 25 deg. C (megaohm C). TOC : <30 ppb Removal, bacteria and particle, % 99. Silica removal, % : >99.9% Bacteria : <1 cfu/ml Flow rate : 6 - 10 liters / Hr at 25 deg. C.</p>		
	<p>The system should have facility to remove Ionic and organic impurities by the ultrapure polisher cartridge, sterile 0.2um filter, pressure regulator, UV lamp and Ultra filter.</p>		
	<p>recirculated through the purification technologies to maintain purity. To reduce heat build up the recirculation is at reduced flow rate.</p>		
	<p>The system should have recirculation of the purified water to maintain consistent peak quality.</p>		
	<p>System should have dual wavelength UV lamp – UV photo oxidation 185/254nm.</p>		
	<p>CE (European Conformity) and UL model</p>		
	<p>ULTRAPURE WATER Output Details:</p> <ul style="list-style-type: none"> • Inorganic : 18.2M □ - cm @ 25oC • TOC : 1-5 ppb with RO water feed • Bacteria : < 1 CFU/ml • Bacteria endotoxin: <0.001EU/ml • Flow Rate : 1 Ltr./min. • RNase : <0.003 ng/ml • DNase : <0.4 pg/ml • Conductivity : 0.055uS/cm • Particle,0.22 um/ml : <1 		