LIST OF ITEMS

Sr. No.	Item / Description	Quantity
01	Dual Channel, Ion Chromatography System (IC) With Auto-Sampler	01 Nos.
	Model: Dionex Ics 6000 Or Equivalent	
	ORIGIN: UK, US, European	
*	SPECIFICAITONS: (Enclosed)	
	TERMS AND CONDITIONS:	
	1. Installation & Commissioning of instrument at site will be the responsibility of the	
189	supplier.	
	2. Instrument must have at least one year warranty which will start after installation	
	and commissioning of instrument at site.	
	3. Vendor training of operation and pre-maintenance of the instrument shall be	
*	provided by the supplier.	
£000	4. Supplier will provide guarantee for the availability of consumables and spare parts	
	for 10 years.	
	5. Five (05) years preventive measures program, biannual calibration/certification at	
d#	site shall be included.	
	6. Supplier should quote price of individual item separately.	
2.	Spare Parts / Consumable for 01 Year Operation	01 Set
	(All spare parts columns, accessories, compatible with IC system)	
2(a)	Column for Anion Analysis (one for each Channel)	02 Nos.
2(b)	Guard Column for Anion Analysis	02 Nos.
2(c)	KOH Eluent Cartridge (compatible) Suppressor Module for Anion Analysis	
2(d)		
2(e)	Degasser Module	01 Nos.
2(f)	Continuously Regenerated Trap Column (CRTC) Module	01 Nos.
2(g)	Auto-Sampler Maintenance Kit	
2(h)	Maintenance Kit that include tubing, fittings, valves, O-rings, gauge, cable, fuses	01 Sets
₽ =	etc. (for one year smooth operation)	

#	Parameters	Specifications			
	1. Basic Requirements				
a.	System	 Dual pump configuration Hybrid Systems (Two dimensional Analytical) System for dual Application (Anions in Ammonia and ETA mediums separately) Reagent Free Ion Chromatography system 			
b.	Separation Column	Analytical columns for anions in Ammonia & ETA (Dia. ~4mm)			
c.	Sample Injection	Dual injector for independent injection with provision of manual and auto sample. Fluoride: \leq 0.5 µg/L			
	Anions Measuring Range	Chloride: \leq 0.5 μ g/L Sulfate: \leq 0.5 μ g/L			
	1 2	Through licensed software Minimum Core i5 or above with minimum 21 inch LED			
-	O mp a do a	Minimum Core 15 or above with minimum 21 Inch LED LaserJet Color Printer			
g.	Printer				
2. PUMP SPECIFICATIONS					
a.	Type	Dual piston (in series), Variable Speed			
b.		Metal free Pump (Compatible with aqueous eluents from pH 0-14)			
c.	Pressure Range	0 - 5000 psi (0 - 35 MPa)			
d.		0 - 10 ml/min with settable flow increments at 0.001 ml/min			
e.		<pre>≤0.1% (Analytical)</pre>			
f.		≤0.1% (Analytical) Integrated for isocratic pump			
	Vacuum Degasser Leak Sensor	Optical, standard			
n.	Leak Selisor	3. SUPPRESSION REQUIREMENT			
a.	Туре	Electrolytic Suppression (Self generating for both columns)			
b.		Included for Anions (4 mm) 30µeq/min			
C.	c. Suppression Capacity (4 mm) 30µeq/min 4. ELUENT GENERATOR SPECIFICATIONS				
		0.1 - 100 mM			
a.	Eluent Concentration Flow Rate	0.1 - 3 ml/min			
D.		KOH			
d.	Maximum Operating	5000 psi (35 MPa)			
	Number of Cartridges	❖ Two dual cartridge support			
e.	Supported	❖ RFIC Eluent Degasser			
		5. DETECTOR SPECIFICATIONS			
a.	Туре	Combination of two conductivity detector			
	Maximum Range	15000 μS			
c.	Leak Detection	Optical Leak Sensor Standard			
d.		≤0.0025 nS/cm			
e.	. Flow Cell Volume	≤0.7 µL			
	6. AUTO SAMPLER				
a.		Dilution, addition of internal standards, concentration/matrix elimination, derivatization			
b.		1:1 to 1:1000			
C		<pre>\$1.0% RSD for a 1:10 dilution</pre>			
d		≥7500 μL 1-100 μL in 0.1 μL increments; 100-7500 μL in 1 μL increments			
e		Inline measurement of sample conductivity and pH with post run			
f		functionality Pull Mode; Push Mode			
g		With post run functionality and Auto Dilution License software			
h	· MULO DITUCTOR	aren bone ran ranger-arrel and water principle present areas			