

Item	Description	Unit	Quantity	Frequency in 5 years	Rate	Total
	<u>Section 1</u>					
	<u>Preliminaries & Generals</u>					
1	Safety induction and Medicals (Entry, Enterim & Exit)	No.	4	5		
2	Personal Protective Equipment	No.	4	5		
3	Compliance with SHEQ & safety file (Onceoff)	Sum	1	1		
	Sub -Total					
	<u>Section 2</u>					
	<u>Services (Bi Weekly Services per month)</u>					
1	Calibration services	each	10	120		
2	Senior Technician x 1	Hrs	24	120		
3	Technician x 1	Hrs	24	120		
4	Contract administrator	Sum	1	120		
	Sub -Total					
	<u>Section 3</u>					
	<u>Disbursement</u>					
1	Accommodation	Day	4	240		
2	Travelling	km	1220	120		
	Sub -Total					

Section 4**Unit 1-6 CEMS Spares**

Item	Type of Spares	Description	Unit	Quantity	Rate	Total
1	Filter	Liquid particle filter	Each	12		
2	Gasket	GASKET, PRE CUT: DIMENSIONS: ID 27.5 X OD 38 MM; THICKNESS: 2 MM; TYPE: HIGH PRESSURE; MATERIAL: ARAMIDE FIBRES/GRAPHITE FILLER/NBR; PRESSURE RATING: 40 BAR; TEMPERATURE RATING: 250 DEG C; MEDIA: GAS; PROVIDE THE TECHNICAL SPECIFICATIONS (DATASHEET) OF THE MATERIAL FROM WHICH THE GASKETS WILL BE CUT; REFERENCE NO: NOVAPRESS MULTI II; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	Each	4		
3	Gasket	GASKET, PRE CUT: DIMENSIONS: ID 21.5 X OD 50.5 MM; THICKNESS: 2 MM; TYPE: HIGH PRESSURE; MATERIAL: ARAMIDE FIBRES/GRAPHITE FILLER/NBR; PRESSURE RATING: 40 BAR; TEMPERATURE RATING: 250 DEG C; MEDIA: GAS; PROVIDE TECHNICAL SPECIFICATION (DATASHEET) OF THE MATERIAL FROM WHICH THE GASKET WILL BE CUT; REFERENCE NO: NOVAPRESS MULTI II; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	Each	4		
4	Gasket	GASKET, PRE CUT: DIMENSIONS: ID 26.5 X OD 37 MM; THICKNESS: 2 MM; TYPE: HIGH PRESSURE; MATERIAL: ARAMIDE FIBRES/GRAPHITE FILLTER/NBR; PRESSURE RATING: 40 BAR; TEMPERATURE RATING: 250 DEG C; MEDIA: GAS; PROVIDE THE	Each	4		

		TECHNICAL SPECIFICATIONS (DATASHEET) OF THE MATERIAL FROM WHICH THE GASKETS WILL BE CUT; REFERENCE NO: NOVAPRESS MULTI II; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
5	Gasket	GASKET, PRE CUT: DIMENSIONS: ID 21 X OD 30 MM; THICKNESS: 2 MM; TYPE: HIGH PRESSURE; MATERIAL: ARAMIDE FIBRES/GRAPHITE FILLER/NBR; PRESSURE RATING: 40 BAR; TEMPERATURE RATING: 250 DEG C; MEDIA: GAS; PROVIDE THE TECHNICAL SPECIFICATION (DATASHEET) OF THE MATERIAL FROM WHICH THE GASKETS WILL BE CUT; REFERENCE NO: NOVAPRESS MULTI II; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	Each	4		
6	Filter	Humidifier bottle	Each	4		
7	Filter	Filter: Outletfilter 323x323mm	Each	6		
8	Filter	Universal filter FP-2T-D	Each	12		
9	Solenoid	3/2-way-solenoid valve for aggressive media (type: 120, 24VDC, noncorrosive)	Each	20		
10	Pump	Peristaltic condensate pump series JSR25	Each	20		
11	Pump accessory	Hose set for condensate pump: JSR25 pump tubing set with PVDF connector	Each	72		
12	Pump accessory	Rollcarrier for condensate peristaltic pump JSR25	Each	20		
13	Tube	Sample tubing Type SL1-4/6 PTFE Polytetrafluorethylene (TEFLON)	Meter	200		
14	Tube	Sample tubing Type SL1-6/8 PTFE Polytetrafluorethylene (TEFLON)	Meter	200		
15	Pump accessory	Pulley holder condensate pump	Each	20		

16	Pump accessory	contact pressure band for condensate pump	Each	20		
17	Transducer	DP Transmitter 12-36V; 4-20mA output, Range 0..1 psid(g) / 70mbar; 420SC01D - PCB D/C 2512	Each	65		
18	Filter	filter element	Each	18		
19	O-ring	o-ring set SP210	pack	18		
20	Tube	gasket sampling tube	Each	50		
21	Sensor	oxygen sensor KE-25F-3	Each	18		
22	Connector	Connector	Each	36		
23	Filter	security filter, inside	Each	18		
24	Connector	Gas connector (black)	Each	36		
25	Filter	Condensate trap inside	Each	36		
26	O-ring	o-ring	Each	36		
27	Pump accessory	sealing for pump	pack	18		
28	Filter	aerosol filter	Each	36		
29	Filter	filter pad	Each	36		
30	Pump accessory	contact pressure band for condensate pump	Each	36		
31	Pump accessory	rollcarrier for condensate pump	Each	36		
32	Pump accessory	hose set for condensate pump	Each	36		
33	Filter	filter pad	pack	36		
34	Gasket	flange gasket DN65 PN6B	Each	36		
35	Pump accessory	sealing for pump	pack	18		
36	Filter	spare filter element injector air blower	Each	36		
37	Gasket	gasket sensor injector	Each	36		
38	Gasket	gasket sampling bow	Each	36		
39	O-ring	round ring 51 x 4,5	Each	36		
40	Gasket	gasket dilution input	Each	36		

41	Gasket	gasket measuring chamber	Each	36		
42	Gasket	flange gasket DN80/PN6	Each	24		
43	Gasket	flange gasket DN80/PN6	Each	36		
44	Filter	filter pad	Each	36		
45	Filter	filter element	Each	36		
46	Pump accessory	contact pressure band for condensate pump	Each	36		
47	Pump	bellow sample gas pump MGP12	Each	12		
48	Pump	Set inlet / outlet valves 70°C sample gas pump	Each	6		
49	Pump accessory	Spare set cranc drive sample gas pump MGP12	Each	12		
50	Filter	sacrificial metal filling	Each	18		
51	Filter	Condensate bottle	Each	4		
52	Fitting	PVDF male connector G1/4" DN4/6	Each	50		
53	Actuator	CEMS Ball Valve Actuator	Each	60		
54	filter	MANN filter	Each	12		
55	Pump accessory	Liquid Peristaltic pump CO2 motor 5RPM (Straight)	Each	12		
56	Pump accessory	Liquid Peristaltic pump NOx & Sox motor 5RPM (Gearbox type)	Each	12		
57	Valve	CEMS Ball valve DN15 PN63 3/4" (Specify L- or T- ball valve)	Each	6		
58	Fitting	MGA23 Analyser inlet / outlet port assemblies	Each	30		
59	Fitting	MGA12 Analyser inlet / outlet port assemblies	Each	30		
60	Fitting	PVDF female connector G1/4" DN4/6	Each	50		
61	Fitting	PVDF male elbow connector G1/4" DN4/6	Each	50		
62	Fitting	PVDF straight hose connector G1/4" DN4/6	Each	50		
63	Fitting	PVDF straight hose/tube connector G1/4" DN4/6	Each	50		
64	Fitting	PVDF elbow connector G1/4" DN4/6	Each	50		
65	Fitting	PVDF T- connector G1/4" DN4/6	Each	50		

66	Fitting	PVDF cross connector G1/4" DN4/6	Each	50			
67		PVDF compression fitting G1/8 for pipe OD 6mm on Vacuum diaphragm gas pump	Each	50			
	Sub - Total						
	Total of Prices						