

SCHEDULE OF PRICES

NAME OF TENDERER: Membrane Systems Australia
ADDRESS: 11 Edison Drive Golden Grove, SA, 5125
TELEPHONE NO: 1300 851 469 or 0429687783
TENDERER'S REPRESENTATIVE
NAME: Rick Legg
SIGNATURE:
DATE:

Schedule of Prices
<p>The Tenderer is required to complete the parts of this Schedule of Prices relevant to their Tender. The total of all items shall equal their Tendered Lump Sum price. Items in the Schedule are listed for the general information of Tenderers and will be used in the evaluation of tenders but NOT progress payments. The items are believed to be approximately correct, but no responsibility will be accepted by the Principal and for the accuracy or for the omission of any item necessary for the completion of the work as specified, nor will the Principal be deemed to have incurred any liability for any error in omission of items from the schedule. If the Tenderer is not satisfied with the accuracy of the Schedule, he shall insert and include such quantities or items as computed by them that are necessary for the complete and proper performance of the proposed works.</p> <p>The completed Schedule of Prices must submitted in Microsoft Excel format. Tenderers may provide an additional copy of the schedule in PDF format for verification purposes if desired.</p>

Total Price

Description	Amount (ex GST)
Subtotal for Item A	\$ 53,248.00
Subtotal for Item B	\$ 183,497.00
Subtotal for Item C	\$ 128,978.00
Subtotal for Item D	\$ 9,300.00
Subtotal for Item E	\$ 68,504.00
Subtotal for Item F	\$ 64,693.00
Subtotal for Item G	\$ 57,043.00
Subtotal for Item H	\$ 8,950.00
Subtotal for Item I	\$ 38,083.00
Subtotal for Item J	\$ 51,890.00
Subtotal for Item K	\$ 96,321.00
Subtotal for Item L	\$ 17,950.00
Subtotal for Item M	\$ 55,410.00
Subtotal for Item N	\$ 51,354.00
Subtotal for Item O	\$ 22,097.00
Subtotal for Item P	\$ 17,965.00
Subtotal for Item Q	\$ 17,965.00
Subtotal for Item R	\$ 63,378.00

Subtotal for	Item S	\$	24,700.00
Subtotal for	Item T	\$	24,700.00
Subtotal for	Item U	\$	-
Subtotal for	Item V	\$	15,600.00
Subtotal for	Item W	\$	27,830.00
Subtotal for	Item X	\$	74,580.00
Subtotal for	Item Y	\$	24,500.00
Subtotal for	Item Z	\$	-
Subtotal for	Item AA	\$	94,850.00
Subtotal for	Item AB	\$	187,510.00
Subtotal for	Item AC	\$	41,350.00
Subtotal for	Item AD	\$	-
Subtotal for	Item AE	\$	-
		TOTAL PRICE:	\$ 1,522,246.00

Item A Design, Workshops and Documentation

ID	Deliverable	Amount (ex GST)
A1	Project initiation and site visit workshop	\$ 2,500.00
A2	Design review meetings (25%, 50% ,75% and 100%)	\$ 4,960.00
A3	Project works program	\$ 1,500.00
A4	Hazop study and workshop	\$ 3,720.00
A5	Operations manual and maintenance manual including CCPs	\$ 8,525.00
A6	Asset register	\$ 930.00
A7	Civil, structural, and architectural design, inc. Drawings	\$ 3,875.00
A8	Process design, inc. Drawings	\$ 8,775.00
A9	Mechanical design, inc. Drawings	\$ 8,775.00
A10	Electrical and control system design, inc. Drawings	\$ 9,688.00
A11	Others (please specify)	
A12	Sub-total for (A)	\$ 53,248.00

Item B Preliminaries

ID	Deliverable	Amount (ex GST)
B1	Site mobilisation	\$ 50,500.00
B2	Proving all existing services	\$ 5,250.00
B3	Site demobilisation	\$ 50,500.00
B4	Defects liability period	\$ 47,247.00
B5	Others (please specify)	\$ 30,000.00
B6	Sub-total for (B)	\$ 183,497.00

Item C Control System

ID	Deliverable	Amount (ex GST)
C1	SCADA equipment and HMI	\$ 30,728.00
C2	PLC/s	\$ 21,600.00
C3	Switchboard works	\$ 26,000.00
C4	IO and communication modules	\$ 8,500.00
C5	Remote access	\$ 2,500.00
C6	Decommissioning of existing controls	\$ 8,650.00
C7	Programming	\$ 31,000.00
C8	Others (please specify)	

C9	Sub-total for (C)	\$	128,978.00
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Item D Connection to Existing Pipelines

ID	Deliverable	Amount (ex GST)
D1	Connection to Raw Water	\$ 4,650.00
D2	Connection to Reticulation	\$ 4,650.00
D3	Others (please specify)	
D4	Sub-total for (D)	\$ 9,300.00

Item E Raw Water Feed

ID	Deliverable	Amount (ex GST)
E1	Pipework	\$ 5,010.00
E2	Instrumentation	\$ 56,994.00
E3	Valving and accessories	\$ 6,500.00
E4	Raw water feed pumps (if required)	
E5	Others (please specify)	
E6	Sub-total for (E)	\$ 68,504.00

Item F Oxidation

ID	Deliverable	Amount (ex GST)
F1	Oxidation tank(s)	\$ 48,833.00
F2	Baffles and/or flow devices	
F3	Pipework	\$ 4,250.00
F4	Instrumentation	\$ 7,500.00
F5	Valving and accessories	\$ 460.00
F6	Others (please specify) Mixer	\$ 3,650.00
F7	Sub-total for (F)	\$ 64,693.00

Item G Adsorption

ID	Deliverable	Amount (ex GST)
G1	PAC contact tank(s)	\$ 48,833.00
G2	Baffles and/or flow devices	
G3	Pipework	\$ 4,250.00
G4	Instrumentation	\$ 3,500.00
G5	Valving and accessories	\$ 460.00
G6	Others (please specify)	
G7	Sub-total for (G)	\$ 57,043.00

Item H Rapid Mixing

ID	Deliverable	Amount (ex GST)
H1	Mechanical mixer	\$ 4,650.00
H2	Inline mixer	
H3	Pipework	\$ 3,650.00
H4	Valving and accessories	\$ 650.00
H5	Others (please specify)	
H6	Sub-total for (H)	\$ 8,950.00

Item I Flocculation

ID	Deliverable	Amount (ex GST)
I1	Flocculation tank(s)	\$ 28,833.00
I2	Flocculator(s)	\$ 8,600.00
I3	Valving and accessories	\$ 650.00
I4	Others (please specify)	
I5	Sub-total for (I)	\$ 38,083.00

Item J Clarification

ID	Deliverable	Amount (ex GST)
J1	Clarification tank(s)	\$ 36,200.00
J2	Sludge withdrawal system	\$ 2,680.00
J3	Pipework	\$ 3,450.00
J4	Instrumentation	\$ 8,600.00
J5	Valving and accessories	\$ 960.00
J6	Others (please specify)	
J7	Sub-total for (J)	\$ 51,890.00

Item K Filtration

ID	Deliverable	Amount (ex GST)
K1	Filters	\$ 16,071.00
K2	Backwash pumps (if required)	
K3	Filter feed pumps (if required)	\$ 6,850.00
K4	Filter feed tank or Clarified water tank (if required)	
K5	Filtered water tank (if required)	\$ 6,250.00
K6	Filtered water pumps (if required)	
K7	Air blowers (if required)	\$ 8,600.00
K8	Pipework	\$ 6,550.00
K9	Instrumentation	\$ 36,000.00
K10	Valving and accessories	\$ 16,000.00
K11	Others (please specify)	
K12	Sub-total for (K)	\$ 96,321.00

Item L CIP System(if required)

ID	Deliverable	Amount (ex GST)
L1	CIP chemical storage	\$ 2,750.00
L2	Dosing pumps	
L3	Bunding	
L4	Pipework	\$ 1,850.00
L5	Valving and accessories	\$ 750.00
L6	Instrumentation	\$ 1,850.00
L7	CIP batching/ Neutralisation tank	\$ 6,250.00
L8	Others (please specify) heater	\$ 4,500.00
L9	Sub-total for (L)	\$ 17,950.00

Item M UV Disinfection System

ID	Deliverable	Amount (ex GST)
M1	UV reactor(s) duty standby	\$ 29,960.00
M2	Instrumentation	\$ 23,800.00
M3	Valving and accessories	\$ 1,650.00

M4	Others (please specify)		
M5	Sub-total for (M)	\$	55,410.00

Item N Clear Water Tank

ID	Deliverable	Amount (ex GST)
N1	Clear water tank	\$ 10,400.00
N2	Baffles and/or flow devices	\$ 8,600.00
N3	Pipework	\$ 1,850.00
N4	Instrumentation	\$ 23,254.00
N5	Clear water pumps	\$ 7,250.00
N6	Others (please specify)	
N7	Sub-total for (N)	\$ 51,354.00

Item O Treated Water Tank

ID	Deliverable	Amount (ex GST)
O1	Treated water tank	\$ 10,400.00
O2	Baffles and/or flow devices	\$ 8,600.00
O3	Pipework	\$ 1,850.00
O4	Instrumentation	\$ 1,247.00
O5	Clear water pumps	
O6	Others (please specify)	
O7	Sub-total for (O)	\$ 22,097.00

Item P Aluminium Chlorohydrate Dosing System

ID	Deliverable	Amount (ex GST)
P1	Chemical storage	\$ 1,350.00
P2	Dosing pumps	\$ 11,928.00
P3	Dosing accessories	\$ 682.00
P4	Bunding	\$ 1,475.00
P5	Pipework	\$ 680.00
P6	Instrumentation	\$ 1,850.00
P7	Others (please specify)	
P8	Sub-total for (P)	\$ 17,965.00

Item Q Polymer Dosing System

ID	Deliverable	Amount (ex GST)
Q1	Polymer Batching and Storage Tanks	\$ 1,350.00
Q2	Dosing pumps	\$ 11,928.00
Q3	Dosing accessories	\$ 682.00
Q4	Bunding	\$ 1,475.00
Q5	Pipework	\$ 680.00
Q6	Instrumentation	\$ 1,850.00
Q7	Others (please specify)	
Q8	Sub-total for (P)	\$ 17,965.00

Item R Chlorine Gas Dosing System

ID	Deliverable	Amount (ex GST)
R1	Cylinder trolley & scales	\$ 6,800.00
R2	Vacuum regulators	\$ 4,200.00

R3	Ejectors	\$	3,250.00
R4	Chlorinators	\$	16,800.00
R5	Auto emergency shut-off system	\$	6,150.00
R6	Gas leak detector(s)	\$	2,100.00
R7	Valving and accessories	\$	3,650.00
R8	Pipework	\$	1,800.00
R9	Safety systems and accessories	\$	18,628.00
R10	Others (please specify)		
R11	Sub-total for (Q)	\$	63,378.00

Item S Powdered Activated Carbon Dosing System

ID	Deliverable	Amount (ex GST)
S1	Chemical Storage	
S2	Unloading system	\$ 3,250.00
S3	Batching system	\$ 4,850.00
S4	Dosing pumps	\$ 6,250.00
S5	Dosing accessories	\$ 1,850.00
S6	Bunding	\$ 3,600.00
S7	Pipework	\$ 1,650.00
S8	Instrumentation	\$ 3,250.00
S9	Others (please specify)	
S10	Sub-total for (R)	\$ 24,700.00

Item T Soda Ash Dosing System

ID	Deliverable	Amount (ex GST)
T1	Chemical Storage	
T2	Unloading system	\$ 3,250.00
T3	Batching system	\$ 4,850.00
T4	Dosing pumps	\$ 6,250.00
T5	Dosing accessories	\$ 1,850.00
T6	Bunding	\$ 3,600.00
T7	Pipework	\$ 1,650.00
T8	Instrumentation	\$ 3,250.00
T9	Others (please specify)	
T10	Sub-total for (S)	\$ 24,700.00

Item U Process Water System

ID	Deliverable	Amount (ex GST)
U1	Storage Tank (if required)	
U2	Pumps	
U3	Instrumentation	
U4	Valving and accessories	
U5	Others (please specify)	
U6	Sub-total for (T)	\$ -

Item V Potable Water System

ID	Deliverable	Amount (ex GST)
V1	Connection (if required) connection of lab and safety showers	\$ 750.00
V2	Safety Showers and Eyewash Stations	\$ 9,250.00

V3	Pipework, valving and accessories	\$	5,600.00
V4	Others (please specify)		
V5	Sub-total for (U)	\$	15,600.00

Item W Sewage System

ID	Deliverable	Amount (ex GST)	
W1	Connection (if required)		
W2	Pipework	\$	3,650.00
W3	Valving and accessories	\$	2,680.00
W4	Septic tank (if required) 5,000 l septic tank	\$	16,500.00
W5	Others (please specify) allowance for approvals	\$	5,000.00
W6	Sub-total for (V)	\$	27,830.00

Item X WTP Waste Water Handling

ID	Deliverable	Amount (ex GST)	
X1	Wastewater holding tank		
X2	Sludge lagoons	\$	49,850.00
X3	Pipework	\$	10,250.00
X4	Valving and accessories	\$	1,350.00
X5	Supernatnat well	\$	8,200.00
X6	Supernatant retrirn pump(s)	\$	3,250.00
X7	Instrumentation	\$	1,680.00
X8	Others (please specify)		
X9	Sub-total for (W)	\$	74,580.00

Item Y Chemical Delivery Loading Area

ID	Deliverable	Amount (ex GST)	
Y1	Truck Bund	\$	11,250.00
Y2	Road	\$	8,500.00
Y3	Instrumentation and Safety Equipment	\$	1,500.00
Y4	Services	\$	3,250.00
Y5	Others (please specify)		
Y6	Sub-total for (X)	\$	24,500.00

Item Z Compressed Air System (if required)

ID	Deliverable	Amount (ex GST)	
Z1	Compressor(s)		
Z2	Air receiver		
Z3	Dryer		
Z4	Instrumentation		
Z5	Pipework		
Z6	Valving and accessories		
Z7	Others (please specify)		
Z8	Sub-total for (Y)	\$	-

Item AA Electricals

ID	Deliverable	Amount (ex GST)	
AA1	Electrical switchboards	\$	86,000.00

AA2	Switchroom equipment		
AA3	UPS/Power conditioner	\$	5,600.00
AA4	Generator set (if required)		
AA5	Building fitout with electricals and comms	\$	3,250.00
AA6	Others (please specify)		
AA7	Sub-total for (Z)	\$	94,850.00

Item AB Buildings and General Siteworks

ID	Component	Amount (ex GST)	
AB1	Site civil pre-works	\$	32,000.00
AB2	Plant building(s)	\$	56,000.00
AB3	Laboratory fitout and equipment	\$	32,760.00
AB4	Furnishings	\$	4,500.00
AB5	Site safety equipment & signage	\$	4,500.00
AB6	Parking	\$	1,500.00
AB7	Paving, access and gravel hard standing	\$	16,500.00
AB8	Landscaping	\$	6,500.00
AB9	Fencing	\$	6,900.00
AB10	Security lighting	\$	9,650.00
AB11	Stormwater	\$	8,200.00
AB12	Building approvals, certificates and other requirements	\$	8,500.00
AB13	Others (please specify)		
AB14	Sub-total for (AA)	\$	187,510.00

Item AC Commissioning

ID	Deliverable	Amount (ex GST)	
AC1	Operator Training	\$	3,500.00
AC2	Pre-Commissioning	\$	2,500.00
AC3	Commissioning	\$	18,000.00
AC4	Proof of Performance	\$	10,850.00
AC5	Assistance Post POP	\$	6,500.00
AC6	Others (please specify)		
AC7	Sub-total for (AB)	\$	41,350.00

Item AD Spare Parts and Special Tools

ID	Deliverable	Amount (ex GST)	
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