

11.3 Tenders Wastewater Treatment Plants Upgrade - January 2011

Attachment A

A	BALLINA WASTEWATER TREATMENT PLANT	ESTIMATE (INCL. GST)	UGI	JOHN HOLLAND	HASLUN
1 General (Milestone 1)					
1.1	All work and obligations under the Contract for Milestone 1 NOT INCLUDED ELSEWHERE in this Schedule.	\$	-	\$ 8,556,620.00	\$ 6,895,130.00
1.2	Compliance with Environmental Management Plan, Site Specific Safety and Quality Assurance systems.	\$	18,567.00	\$ 237,784.00	\$ -
1.3	Site establishment.	\$	373,099.00	\$ 778,259.00	\$ 128,263.00
1.4	Environmental protection works/soiliness and erosion control.	\$	74,037.00	\$ 162,303.00	\$ 19,800.00
1.5	All temporary works necessary for construction of the wastewater treatment plant augmentation and maintaining continued operation of the treatment plant throughout the construction period.	\$	-	\$ 237,784.00	\$ -
1.6	Site dismantlement.	\$	38,849.00	\$ 77,474.00	\$ 13,400.00
	TOTAL FOR ITEM 1:	880,000	\$ 496,552.00	\$ 18,076,264.00	\$ 7,058,593.00
2 CONCEPT DESIGN FINALISATION (Milestone 1)					
2.1	Provision of Concept Design for Ballina WWTP	\$	206,071.00	\$ 890,029.00	\$ 214,017.00
	TOTAL FOR ITEM 2:	100,000	\$ 206,071.00	\$ 890,029.00	\$ 214,017.00
3 DETAIL DESIGN (Milestone 1)					
3.1	Engagement of a Level 1, 2 and 3 service provider to design the power requirements for the WWTP site suitable for the upgrade works with allowance for future loads.	\$	10,489.00	\$ 12,023.00	\$ 59,079.00
3.2	Civil and structural design	\$	1,055,002.00	\$ 860,740.00	\$ 352,000.00
3.3	Process design	\$	413,376.00	\$ -	\$ 330,000.00
3.4	Design of mechanical items	\$	674,919.00	\$ -	\$ 920,385.00
3.5	Electrical design, pre manufacturing activities and electrical substation	\$	362,784.00	\$ 337,342.00	\$ 413,513.00
3.6	Tendering design and documentation and submission	\$	-	\$ 2,936.00	\$ 5,320.00
3.7	Design review meetings	\$	97,483.00	\$ 23,506.00	\$ 121,284.00
3.8	HAZOP & CHAD Workshops	\$	97,483.00	\$ 4,398.00	\$ 36,384.00
3.9	Any design items not listed above	\$	-	\$ -	\$ -
	TOTAL FOR ITEM 3:	770,000	\$ 2,711,616.00	\$ 1,241,145.00	\$ 2,237,968.00
4 CONSTRUCTION CIVIL (Milestone 1)					
4.1	Inlet works including pipework and fittings, metalwork and all civil works	\$	1,189,415.00	\$ 1,045,485.00	\$ 717,930.00
4.2	Odour control facilities at the inlet works including ductwork and soil deodorisation hood	\$	297,912.00	\$ 38,037.00	\$ 330,330.00
4.3	De-aeration, aerobic and aeration tanks, including pipework and fittings, miscellaneous chambers and pits	\$	-	\$ 2,219,239.00	\$ 2,391,862.00
4.4	Membrane tanks including pipework, flow distribution channel and metalwork	\$	4,121,019.00	\$ 687,480.00	\$ -
4.5	Membrane/switchroom/blower rooms/auxiliary building including building services and drainage	\$	2,394,732.00	\$ 2,207,647.00	\$ 687,684.00
4.6	Civil works for chemical dosing facilities (soda, liquid caustic soda and citric acid), including heated containment and safety showers	\$	648,719.00	\$ 359,118.00	\$ 143,748.00
4.7	Civil works for on-site reuse reclaimed water system including storage tank, reticulation and hose outlets	\$	-	\$ 27,999.00	\$ 1,736,855.00
4.8	Storm detention pond including storm return pumping station	\$	-	\$ 405,225.00	\$ 231,728.00
4.9	Civil works for anaerobic return pumping station	\$	-	\$ 61,900.00	\$ 36,894.00
4.10	Civil works for recycled water pumping station	\$	14,295.00	\$ 38,340.00	\$ 5,544.00
4.11	Aerobic diatom tanks including all pipework	\$	-	\$ 776,859.00	\$ 102,883.00
4.12	Sludge dewatering facilities including building	\$	436,698.00	\$ 667,728.00	\$ 200,300.00
4.13	Effluent lagoon/anaerobic reservoir	\$	360,579.00	\$ 1,905,386.00	\$ -
4.14	Chlorination system	\$	161,521.00	\$ -	\$ 85,199.00
4.15	All pipelines associated with the construction of WWTP to the Limit of Contract including works on existing outlet	\$	1,907,048.00	\$ 1,277,096.00	\$ 1,699,375.00
4.16	Earthworks and civil works necessary to construct the plant including pile foundations	\$	3,374,097.00	\$ -	\$ 858,715.00
4.17	Temporary access road	\$	-	\$ 165,909.00	\$ 36,500.00
4.18	Roadworks including kerbing, storming and drainage	\$	193,676.00	\$ 746,150.00	\$ 481,624.00
4.19	Landscaping	\$	12,240.00	\$ 142,296.00	\$ 68,280.00
4.20	Site services not included elsewhere	\$	-	\$ 92,149.00	\$ -
4.21	Any items not listed above	\$	110,631.00	\$ -	\$ 133,611.00
	TOTAL FOR ITEM 4:	17,690,000	\$ 15,422,683.00	\$ 13,003,873.00	\$ 9,982,968.00
5 CONSTRUCTION - MECHANICAL (Milestone 1)					
5.1	Step screen and screenings conveyor system	\$	570,526.00	\$ 157,373.00	\$ -
5.2	Fine screens and screenings conveyor system	\$	433,360.00	\$ 223,223.00	\$ 490,173.00
5.3	Odour control mechanical equipment for Inlet Works	\$	187,226.00	\$ 436,912.00	\$ 72,594.00
5.4	Flange for Inlet Works flow measurement	\$	-	\$ 9,874.00	\$ 11,000.00
5.5	Grit removal system including air classifier	\$	168,056.00	\$ 134,250.00	\$ 271,672.00
5.6	Blower for de-aeration tanks	\$	26,227.00	\$ 4,262.00	\$ -
5.7	Mixers for aeration tanks	\$	925,724.00	\$ 46,490.00	\$ 131,195.00
5.8	WAS pumps, pipework and valves	\$	40,062.00	\$ 55,058.00	\$ 71,205.00
5.9	Mixed liquor pumps, pipework and valves	\$	207,007.00	\$ 924,008.00	\$ 103,494.00
5.10	Membranes and all associated equipment	\$	2,628,438.00	\$ 1,594,699.00	\$ 3,322,510.00
5.11	Aeration system for biological and membrane reactors including pipework and valves	\$	1,196,079.00	\$ 1,236,298.00	\$ 1,247,526.00
5.12	Permeate pumps, pipework and valves	\$	424,972.00	\$ 1,066,637.00	\$ 197,914.00
5.13	UV disinfection equipment and instrumentation including all pipework	\$	366,860.00	\$ 191,992.00	\$ 431,034.00
5.14	Recycled water pressure system for On-site use	\$	48,839.00	\$ 225,337.00	\$ 228,550.00
5.15	Recycled water pumps, pipework, flow meter and valves	\$	669,880.00	\$ 159,998.00	\$ 372,840.00
5.16	Metered/betterly modulating valves and actuators for flow control for release and to zero	\$	-	\$ 17,315.00	\$ 48,755.00
5.17	Aerobic digestion tank mixer and aeration system, deaerator	\$	693,044.00	\$ 118,658.00	\$ 225,435.00
5.18	Sludge feed pump, pipework and valves	\$	-	\$ 52,722.00	\$ 96,019.00
5.19	Sludge dewatering system Bulk filter press, conveyor system	\$	387,443.00	\$ 295,675.00	\$ 304,907.00
5.20	Peelmer preparation/batching and dosing system	\$	16,551.00	\$ 163,361.00	\$ 102,675.00
5.21	Storm return pumps, pipework and valves	\$	76,571.00	\$ 370,532.00	\$ 76,170.00
5.22	Supernatant return pumps, pipework and valves	\$	20,680.00	\$ 118,664.00	\$ 47,140.00
5.23	Electromagnetic flow meters at various locations	\$	-	\$ 75,972.00	\$ 42,100.00
5.24	Chemical Dosing system	\$	654,235.00	\$ 702,252.00	\$ 444,198.00
5.25	Membrane cleaning systems	\$	-	\$ 64,738.00	\$ 161,363.00
5.26	Any items not listed above	\$	791,802.00	\$ 589,180.00	\$ 517,472.00
	TOTAL FOR ITEM 5:	15,488,000	\$ 10,238,928.00	\$ 9,044,352.00	\$ 8,969,897.00
6 CONSTRUCTION - ELECTRICAL (Milestone 1)					
6.1	Power Supply Level 2 Service Provider work	\$	32,523.00	\$ -	\$ 3,279.00
6.2	Power Supply Level 1 Service Provider work	\$	209,935.00	\$ 156,302.00	\$ 279,243.00
6.3	Liaising with Country Energy, payment of fees and management of the Level 1 and Level 2 Service Providers	\$	9,255.00	\$ 6,912.00	\$ 14,150.00

6.4 Flood Generator	\$	177,937.00	\$	392,486.00	\$	641,280.00	
6.5 Spare parts and Cabinet	\$	25,637.00	\$	50,482.00	\$	11,248.00	
6.6 Manufacture of FTTP & Switchboards	\$	967,827.00	\$	118,181.00	\$	305,881.00	
6.7 Field Instrumentation	\$	560,066.00	\$	192,587.00	\$	394,082.00	
6.8 SCADA Hardware including Licenses and installation	\$	221,642.00	\$	70,733.00	\$	53,738.00	
6.9 SCADA Software including development and testing of Visual Displays	\$	260,982.00	\$	130,078.00	\$	133,747.00	
6.10 Building Services	\$	215,471.00	\$	75,185.00	\$	137,333.00	
6.11 Electrical Installation	\$	621,766.00	\$	2,401,157.00	\$	1,850,511.00	
6.12 Any items not listed above	\$	-	\$	244,731.00	\$	22,090.00	
TOTAL FOR ITEM 6	2,640,080	\$	3,302,991.00	\$	3,467,539.00	\$	3,843,542.00
7 TELEMETRY (Milestone 1)							
7.1 Radio Surveys	\$	864.00	\$	804.00	\$	-	
7.2 Supply and installation of an additional RTU at the Ballina WWTP	\$	15,639.00	\$	18,253.00	\$	4,177.00	
7.3 Configuration of the existing Ballina Shire Council Repeater to accommodate the additional RTU	\$	-	\$	245.00	\$	-	
7.4 Configuration of the existing CMP and the existing RMP	\$	-	\$	675.00	\$	-	
7.5 Removal and relocation of the existing IT Cabinet	\$	689.00	\$	1,925.00	\$	-	
7.6 Reconnection of the existing IT Cabinet	\$	689.00	\$	1,653.00	\$	-	
7.7 Configuration of the SCADA computers (supplied as part of the electrical) for IT Services	\$	-	\$	6,565.00	\$	7,660.00	
7.8 System testing	\$	-	\$	2,086.00	\$	-	
7.9 Revision of O&M Manuals	\$	-	\$	2,574.00	\$	-	
7.10 Any items not listed above	\$	-	\$	-	\$	-	
TOTAL FOR ITEM 7:	71,580	\$	17,881.00	\$	34,786.00	\$	11,837.00
8 TESTING, COMMISSIONING AND PROCESS PROVING (Milestone 1)							
8.1 Testing including factory/witness testing of equipment including electrical equipment	\$	12,554.00	\$	19,068.00	\$	190,621.00	
8.2 Demonstration	\$	185,094.00	\$	6,307.00	\$	74,745.00	
8.3 Commissioning	\$	3,523,667.00	\$	639,770.00	\$	370,870.00	
8.4 Validation and verification (Process proving)	\$	380,429.00	\$	-	\$	345,594.00	
8.5 Training of operators Stage 1	\$	17,214.00	\$	19,912.00	\$	63,497.00	
8.6 Training of operators Stage 2	\$	8,638.00	\$	19,912.00	\$	25,965.00	
8.7 Training of operators Stage 3	\$	8,638.00	\$	19,913.00	\$	25,965.00	
8.8 Operation and maintenance manuals	\$	29,615.00	\$	34,285.00	\$	137,363.00	
8.9 Work-as-execution drawings	\$	23,522.00	\$	46,015.00	\$	137,280.00	
8.10 Designers report	\$	5,807.00	\$	10,307.00	\$	88,938.00	
8.11 Any items not listed above	\$	-	\$	-	\$	-	
TOTAL FOR ITEM 8:	385,000	\$	4,194,978.00	\$	815,489.00	\$	1,466,838.00
Total Lump Sum tendered for MILESTONE 1	37,856,500	\$	36,891,708.00	\$	38,887,482.00	\$	33,779,652.00
9 EXISTING PLANT DECOMMISSIONING (Milestone 2)							
9.1 Decommission existing plant	\$	58,318.00	\$	23,992.00	\$	90,942.00	
TOTAL FOR ITEM 9:	450,880	\$	58,318.00	\$	23,992.00	\$	90,942.00
10 DEMOLITION OF EXISTING PLANT (Milestone 2)							
10.1 Demolition of structures	\$	497,141.00	\$	269,273.00	\$	290,950.00	
10.2 Removal/recycling of all material	\$	-	\$	285,321.00	\$	-	
10.3 Levelling and landscaping works	\$	-	\$	269,851.00	\$	-	
TOTAL FOR ITEM 10:	497,141	\$	497,141.00	\$	824,447.00	\$	290,950.00
Total Lump Sum tendered for MILESTONE 2	863,940	\$	555,459.00	\$	848,439.00	\$	381,892.00
11 Construction Sludge Storage Facility (Milestone 4)							
11.1 Dewatered sludge storage facility - Civil works	\$	1,704,219.00	\$	1,566,133.00	\$	1,337,286.00	
11.2 Dewatered sludge storage facility - Mechanical works	\$	675,548.00	\$	524,890.00	\$	747,650.00	
11.3 Dewatered sludge storage facility - Electrical and all other works	\$	262,974.00	\$	62,565.00	\$	-	
TOTAL FOR ITEM 11:	1,650,000	\$	2,642,741.00	\$	2,153,988.00	\$	2,184,936.00
Total Lump Sum tendered for MILESTONE 4	1,650,000	\$	2,642,741.00	\$	2,153,988.00	\$	2,184,936.00
12 POST COMPLETION - ONGOING SUPPORT PACKAGE							
12.1 2 Year ongoing support package	\$	310,022.00	\$	67,041.00	\$	226,782.00	
TOTAL FOR ITEM 12:	116,000	\$	310,022.00	\$	67,041.00	\$	226,782.00
TOTAL TENDERED FOR BALLINA WWTP	40,486,440	\$	40,399,932.00	\$	41,956,950.00	\$	36,493,262.00
Mandatory alternative tender (Nett)	0						
B LENNOX HEAD RECYCLED WATER PLANT							
1 General (Milestone 3)							
1.1 All work and obligations under the Contract NOT INCLUDED ELSEWHERE in this Schedule	\$	-	\$	642,272.00	\$	532,891.00	
1.2 Compliance with Environmental Management Plan, Site Specific Safety and Quality Assurance systems	\$	-	\$	31,705.00	\$	-	
1.3 Site establishment	\$	172,895.00	\$	88,806.00	\$	29,986.00	
1.4 Environmental protection works/safeness and erosion control	\$	-	\$	8,545.00	\$	11,000.00	
1.5 All temporary works necessary for construction of the wastewater treatment plant augmentation and maintaining continued operation of the treatment plant throughout the construction period.	\$	-	\$	-	\$	-	
1.6 Site dismantlement	\$	5,979.00	\$	10,944.00	\$	9,900.00	
TOTAL FOR ITEM 1:	275,000	\$	178,874.00	\$	803,467.00	\$	583,777.00
2 CONCEPT DESIGN FINALISATION (Milestone 3)							
2.1 Provision of Concept Design for Lennox Head RWP	\$	74,139.00	\$	499,255.00	\$	170,490.00	
TOTAL FOR ITEM 2:	55,000	\$	74,139.00	\$	499,255.00	\$	170,490.00
3 DETAIL DESIGN (Milestone 3)							
3.1 Engagement of a Level 1, 2 and 3 service provider to design the power requirements for the WWTP site suitable for the upgrade works with allowance for future loads.	\$	8,968.00	\$	-	\$	50,353.00	
3.2 Civil and structural design	\$	320,471.00	\$	484,150.00	\$	222,290.00	
3.3 Process design	\$	246,332.00	\$	-	\$	167,588.00	
3.4 Design of mechanical items	\$	322,863.00	\$	-	\$	77,363.00	
3.5 Electrical design, pre manufacturing activities and electrical submission	\$	253,743.00	\$	104,436.00	\$	198,638.00	
3.6 Telemetry design and documentation and submission	\$	119,579.00	\$	3,925.00	\$	-	
3.7 Design review meetings	\$	56,202.00	\$	24,548.00	\$	34,682.00	
3.8 HAZOP & CHAIR Workshop	\$	56,202.00	\$	4,398.00	\$	22,478.00	
3.9 Any design items not listed above	\$	-	\$	-	\$	-	
TOTAL FOR ITEM 3:	165,000	\$	1,384,369.00	\$	621,457.00	\$	773,302.00
4 CONSTRUCTION - CIVIL ITEMS (Milestone 3)							
4.1 Removal of existing UV disinfection system	\$	-	\$	-	\$	48,972.00	
4.2 Civil works for UV systems for reuse flows and UV system for RWP	\$	468,496.00	\$	-	\$	298,540.00	

4.3 All necessary stopcocks, stoplogs, weirs and penstocks for flow control/isolation/diversion including miscellaneous chambers and pits	\$	-	\$	-	\$	-	
4.4 Civil, hydraulic and structural works for the building	\$	-	\$	777,623.00	\$	90,200.00	
4.5 Civil works for chlorination system	\$	464,995.00	\$	-	\$	-	
4.6 All practices associated with the construction/modification of RWP to the Limits of Contract	\$	73,574.00	\$	162,411.00	\$	63,833.00	
4.7 Roadworks including kerbing, guttering and drainage	\$	-	\$	193,394.00	\$	31,502.00	
4.8 Site services not included elsewhere	\$	-	\$	137,833.00	\$	-	
4.9 Chemical dosing facilities	\$	244,098.00	\$	291,213.00	\$	413,796.00	
4.10 Any items not listed above	\$	294,091.00	\$	1,517,292.00	\$	1,525,623.00	
TOTAL FOR ITEM 4	3,291,141	\$	3,846,154.00	\$	3,089,982.00	\$	2,492,468.00
5 CONSTRUCTION - MECHANICAL (Milestone 3)							
5.1 UV distribution equipment and instrumentation including all pipework	\$	1,219,430.00	\$	457,670.00	\$	397,293.00	
5.2 Membrane tertiary filters and all associated equipment	\$	1,084,448.00	\$	884,530.00	\$	901,971.00	
5.3 Pumps and valving	\$	434,886.00	\$	170,892.00	\$	223,588.00	
5.4 Flow meters	\$	-	\$	7,535.00	\$	34,762.00	
5.5 Any items not listed above	\$	166,793.00	\$	359,786.00	\$	334,420.00	
TOTAL FOR ITEM 5	3,866,660	\$	2,845,534.00	\$	2,086,413.00	\$	2,462,036.00
6 CONSTRUCTION - ELECTRICAL (Milestone 3)							
6.1 Power Supply Level 3 Service Provider work	\$	7,621.00	\$	-	\$	-	
6.2 Power Supply Level 1 Service Provider work	\$	7,456.00	\$	-	\$	-	
6.3 Liaising with Country Energy, payment of fees and management of the Level 1 and Level 3 Service Providers	\$	-	\$	-	\$	-	
6.4 Design, pre-commissioning activities and electrical submissions	\$	-	\$	32,685.00	\$	-	
6.5 Flood Generator	\$	224,997.00	\$	174,571.00	\$	238,249.00	
6.6 Spare parts and Cabinet	\$	7,246.00	\$	20,711.00	\$	11,280.00	
6.7 Manufacture of FTPs & Switchgear	\$	391,619.00	\$	44,880.00	\$	91,762.00	
6.8 Field Instrumentation	\$	262,584.00	\$	67,536.00	\$	331,404.00	
6.9 Repair of the existing SCADA Hardware at site	\$	-	\$	22,250.00	\$	1,792.00	
6.10 Addition to the existing SCADA including development and testing of Visual Displays	\$	155,752.00	\$	58,232.00	\$	56,383.00	
6.11 Building Services	\$	52,908.00	\$	29,257.00	\$	-33,973.00	
6.12 Electrical Installation	\$	200,239.00	\$	611,281.00	\$	359,478.00	
6.13 Any items not listed above	\$	-	\$	-	\$	-	
TOTAL FOR ITEM 6	662,630	\$	1,389,690.00	\$	1,650,261.00	\$	1,215,434.00
7 TELEMETRY (Milestone 3)							
7.1 Modification of the existing RTU	\$	-	\$	7,354.00	\$	1,606.00	
7.2 Configuration of the existing Ballina Shire Council Repeater to accommodate the additional RTU	\$	-	\$	242.00	\$	-	
7.3 Configuration of the existing CMP and the existing RWP	\$	-	\$	1,023.00	\$	-	
7.4 System testing	\$	-	\$	723.00	\$	-	
7.5 Revision of O&M Manuals	\$	-	\$	172.00	\$	-	
7.6 Any items not listed above	\$	-	\$	-	\$	-	
TOTAL FOR ITEM 7	12,806	\$	-	9,276.00	\$	1,606.00	
8 TESTING, COMMISSIONING AND PROCESS PROVING (Milestone 3)							
8.1 Testing including functionality testing of equipment including electrical connections	\$	9,057.00	\$	7,362.00	\$	49,670.00	
8.2 Demonstration	\$	83,107.00	\$	8,560.00	\$	20,116.00	
8.3 Commissioning	\$	530,591.00	\$	63,894.00	\$	94,326.00	
8.4 Validation and verification (Process Provider)	\$	226,317.00	\$	-	\$	74,160.00	
8.5 Training of operators Stage 1	\$	11,121.00	\$	7,648.00	\$	19,219.00	
8.6 Training of operators Stage 2	\$	5,560.00	\$	7,648.00	\$	5,176.00	
8.7 Training of operators Stage 3	\$	5,560.00	\$	7,649.00	\$	5,176.00	
8.8 Operation and maintenance manuals	\$	12,785.00	\$	22,323.00	\$	30,059.00	
8.9 Work-as-execution drawings	\$	10,322.00	\$	11,315.00	\$	30,923.00	
8.10 Designers report	\$	2,581.00	\$	3,480.00	\$	46,824.00	
8.11 Any items not listed above	\$	-	\$	-	\$	-	
TOTAL FOR ITEM 8	154,806	\$	897,911.00	\$	140,977.00	\$	395,521.00
9 POST COMPLETION - ONGOING SUPPORT PACKAGE							
9.1 2 Year training support package	\$	102,240.00	\$	16,760.00	\$	36,368.00	
TOTAL FOR ITEM 9	66,806	\$	102,240.00	\$	16,760.00	\$	36,368.00
TOTAL TENDERED FOR LENNOX HEAD RWP (Milestone 3)	8,078,971	\$	8,697,912.00	\$	8,242,586.00	\$	8,691,602.00
TOTAL CONTRACT COST (EXCLUDING MANDATORY ALTERNATIVE TENDERS 1 to 4 and schedule of rate items 2.1 and 2.2)							
	48,931,411	\$	49,697,834.00	\$	50,299,536.00	\$	44,294,864.00
Schedule of Rates All work and obligations under the Contract not included elsewhere in 1 this schedule							
Rate Item	\$	-	\$	-	\$	44,294,864.00	
2.1 Importation and placement of topsoil (5,000 cubic metres)	180,000	\$	176,400.00	\$	281,033.00	\$	147,600.00
2.2 Dewatering and Removal of Sludge from the sludge lagoons (2,500 cubic metres)	200,000	\$	105,000.00	\$	69,975.00	\$	275,000.00
Total of Schedule of Rates	380,000	\$	281,400.00	\$	350,908.00	\$	422,600.00
TOTAL CONTRACT COST (including schedule of rate items 2.1 and 2.2 (EXCLUDING MANDATORY ALTERNATIVE TENDERS 1 to 4))	48,931,411	\$	49,819,234.00	\$	50,649,644.00	\$	44,697,464.00
Mandatory Alternative Tender No. 1 (Biosolids Solar Dryer)							
TOTAL CONTRACT COST (INCL MANDATORY ALTERNATIVE TENDER 1)	48,931,411	\$	49,119,234.00	\$	51,025,113.00	\$	45,419,998.00
Mandatory Alternative Tender No. 2 (excludes dewatering and desludging of existing Ballina Wastewater Treatment Plant)							
TOTAL CONTRACT COST (INCL MANDATORY ALTERNATIVE TENDER 2)	\$	48,482,375.00	\$	49,267,296.00	\$	44,202,972.00	
Mandatory Alternative Tender No. 3 (excludes Lennox Head RWP)							
TOTAL CONTRACT COST (INCL MANDATORY ALTERNATIVE TENDER 3)	\$	48,299,922.00	\$	41,899,899.00	\$	36,590,210.00	
Mandatory Alternative Tender No. 4 (excludes dewatering and desludging of existing Ballina Wastewater Treatment Plant and Lennox Head RWP)							

**Should equal Tender Form Total Below

TOTAL CONTRACT COST (INCL MANDATORY ALTERNATIVE TENDER 4)	\$	39,844,463.00	\$	41,041,470.00	\$	36,299,280.00
TENDER FORM TOTAL	48,331,411	\$	49,837,824.00	\$	50,549,644.00	\$ 45,067,464.00
Does not include BOR						
NPV Life Cycle Running Costs of Ballina WWTP	\$	11,228,850.00	\$	10,449,385.00	\$	9,778,742.00
NPV Life Cycle Running Costs of Leroox Head RWP	\$	2,276,593.00	\$	987,723.00	\$	800,104.50
Total NPV for Both Plants	\$	13,505,443.00	\$	11,437,108.00	\$	10,578,846.50

Attachment B

Additions and Deductions

All Inclusive of GST

Tendered Price \$ 45,007,464.00
 Extension of Tender Validity Date \$ 24,200.00

Additions - Ballina

Amount

1 Additional Drum Screen	\$ 92,950.00
2 Scum Harvesting System	\$ 36,520.00
3 Turbo Blowers	\$ 192,000.00
4 Uninstalled 3rd RAS Pump	\$ 19,194.00
5 Chlorination of on-site recycled water	\$ 16,570.00
6 Septage receival flowmeter arrangement	\$ 13,660.00
7 Penstocks in lieu of Stopboards	\$ 66,583.00
8 Additional pipework for alteration of LOC on Ballina Heights mains	\$ 58,058.00
9 Additional access stairs to top of MLR channel	\$ 21,580.00
0 Fill bottom of storm return pump station with concrete	\$ 9,900.00

Agreed Additions - Ballina \$ 527,015.00

Additions - Lennox Head

1 Uninstalled Amiad screen	\$ 27,003.00
2 Uninstalled standby air scour blower	\$ 11,648.00
3 Uninstalled standby backwash pump	\$ 9,900.00
4 Uninstalled standby sodium hypochlorite dosing pump	\$ 1,682.00
5 Uninstalled standby caustic dosing pump	\$ 1,682.00
6 Uninstalled standby citric acid/Sodium Metabisulphite dosing pump	\$ 841.00

Agreed Additions - Lennox Head \$ 52,756.00

Total Additions \$ 579,771.00

Deductions - Ballina

1 Delete fixed membrane cranes	-\$ 92,400.00
2 Recycled water pumps - Grundfos in lieu of Goulds	-\$ 49,500.00

Agreed Deductions - Ballina -\$ 141,900.00

Deductions - Lennox Head

1 Delete new low lift pumps	-\$ 32,220.00
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Agreed Deductions - Lennox Head -\$ 32,220.00

Total Deductions -\$ 174,120.00

Revised Tendered Price \$ 45,437,315.00