

Project Estimate

Project: Mangawhai Effluent Re-Use Planning (Directionally Drilled Option)

Item	Description	Base Estimate	Contingency	Funding Risk Contingency
A	Nett Project Property Cost	\$ -	\$ -	\$ -
	Project Development Phase	\$ -		
	- Surveying	\$ 50,000.00	\$ 15,000.00	\$ 3,000.00
	- Consultancy Fees	\$ 127,365.84	\$ 38,209.75	\$ 25,473.17
	- Client Managed Costs	\$ 17,831.22	\$ 5,349.37	\$ 3,566.24
B	Total Project Development	\$ 195,197.06	\$ 58,559.12	\$ 32,039.41
	Pre-Implementation Phase			
	- Consultancy Fees (Detailed Design)	\$ 269,319.84	\$ 80,795.95	\$ 53,863.97
	- Client Managed Costs	\$ 28,054.15	\$ 8,416.25	\$ 5,610.83
C	Total Pre-implementation	\$ 297,373.99	\$ 89,212.20	\$ 59,474.80
	Implementation Phase			
	Implementation Fees			
	- Procurement	\$ 89,773.28	\$ 26,931.98	\$ 17,954.66
	- Consultancy Fees (MSQA)	\$ 179,546.56	\$ 53,863.97	\$ 35,909.31
	- Client Managed Costs	\$ 22,443.32	\$ 6,733.00	\$ 4,488.66
	- Consent Monitoring Fees	\$ 11,221.66	\$ 3,366.50	\$ 2,244.33
	Sub Total Base Implementation Fees	\$ 302,984.82	\$ 90,895.45	\$ 60,596.96
	Physical Works			
1	Environmental and compliance	\$ -	\$ -	\$ -
2	Earthworks	\$ 86,236.39	\$ 25,870.92	\$ 17,247.28
3	Ground improvements	\$ 5,428.67	\$ 1,628.60	\$ 1,085.73
4	Drainage	\$ -	\$ -	\$ -
5	Pavement and surfacing	\$ 215,288.48	\$ 64,586.54	\$ 43,057.70
6	Bridges and structures	\$ 284,975.82	\$ 85,492.75	\$ 56,995.16
7	Retaining walls	\$ -	\$ -	\$ -
8	Mechanical	\$ 312,180.00	\$ 93,654.00	\$ 62,436.00
9	Electrical and control	\$ 338,446.67	\$ 101,534.00	\$ 67,689.33
10	Piping	\$ 993,776.00	\$ 298,132.80	\$ 198,755.20
11	Landscaping	\$ -	\$ -	\$ -
12	Comissioning	\$ 8,000.00	\$ 2,400.00	\$ 1,600.00
13	P&G	\$ -	\$ -	\$ -
	Sub total Base Physical Works	\$ 2,244,332.03	\$ 673,299.61	\$ 448,866.41
D	Total construction	\$ 2,547,316.85	\$ 764,195.06	\$ 509,463.37
E	Project base estimate (A+C+D)	\$ 3,039,887.91		

F	Contingency (Assessed/Analysed) (A+C+D)	\$ 911,966.37
G	Project expected estimate (E+F)	\$ 3,951,854.28
	Nett Project Property Cost Expected Estimate	\$ -
	Project Development Phase Expected Estimate	\$ 253,756.18
	Pre-implementation Phase Expected Estimate	\$ 386,586.19
	Implentation Phase Expected Estimate	\$ 3,311,511.91
H	Funding risk (Assessed/Analysed) (A+C+D)	\$ 600,977.58
I	95th percentile Project Estimate (G+H)	\$ 4,552,831.86
	Project property cost 95th percentile estimate	\$ -
	Investigation and reporting 95th percentile estimate	\$ 285,795.59
	Design and project documentation 95th percentile estimate	\$ 446,060.99
	Construction 95th percentile estimate	\$ 3,820,975.28