Upgrade of Batemans Bay Sewage Treatment Plant 2122-025 Description of

variations	Inc	l GST
Supply and installation of covers for the Gravity Drainage Deck	\$	14,872.00
Switchroom Drainage	\$	19,327.52
Clarifier Manhole	\$	5,905.94
GDD Bypass	\$	2,586.74
Storm pond weir	\$	31,833.52
UV Unit	\$	202,716.14
Clarifier Floor Reinforcement	\$	13,133.34
Tree Removal	\$	33,082.37
Clarifier power socket	\$	5,143.53
New LITs to Existing & Bypass Inlet Works	\$	15,981.02
Blower Door	\$	8,261.98
Rock removal pipe	\$	11,639.25
Increase in flow divider height (concrete)	\$	1,799.05
Existing flow divider change	-\$	3,400.32
Defoaming tank removal	-\$	1,357.13
Automatic Transfer Switch	\$	15,136.09
Rock removal Pit (DN250 Dropper Delete)	-\$	1,105.10
Elevated Pipework Loop	\$	13,366.42
Centrate Rising Main Alignment	-\$	2,547.04
Backwash & Storm Return connections to Flow Divider	\$	4,756.92
Reactor #1 Outlet Detail	\$	18,785.16
Reactor #2 Outlet Detail	-\$	8,850.45
DN600 Valve Removal	-\$	23,299.28
Alteration to Drainage Line North of Clarifier	\$	28,793.19
Below Ground Structure Encountered Along Drainage Alignment	\$	4,297.92
Attenuation Tank Splash Plate (Removal from Scope)	-\$	3,234.00
Extension of Inlet works platform	\$	9,323.05
Blower & Switchroom Building Structural Steel Alterations	\$	3,873.32
Stopboard frame increase/ internal wall thickness increase	\$	7,727.50
Reuse pump station modifications	\$	5,463.37
Proposed SE Agreement for slewing conveyor	\$	15,400.00
Alternative Generator Location	-\$	21,151.90
Epoxy lining to rock removal pit	\$	15,567.86
New Filters	\$	276,154.67
Scum Pump Station Design (RFI 94)	-\$	10,382.24
Attenuation Tank Hydraulic Design (RFI 123)	-\$	110,233.17
Retaining wall (RFI 38)	\$	12,860.94
Level transmitter in attenuation tank 2	\$	9,344.83
Additional bend on DN375 Clarifier outlet	\$	2,243.20
Blower and Switchroom Roof Raiser	\$	5,500.00
Use of Standard Tee at Overflow Connection	-\$	15,796.45
Pipework to Bioreactors	-\$	29,066.53
Centrate High Level Float	\$	3,095.79
ORP Conduits	\$	2,824.28
Dayworks – tip cutin	\$	2,695.24
Sludge Stockpile additional pit	\$	5,391.12

Backwash tank modifications \$ 7,064,76 Screen wash potable connection \$ 38,163,40 Inlet works odour ductwork \$ 24,788,83 Fronius inverters \$ 2,755,17 Dayworks – potable water connection \$ 24,791,23 Functional Description changes \$ 14,452,86 Filter pump repairs \$ 20,164,31 Tertiary area panel \$ 70,634,95 Linking pipe at reuse tank \$ 8,560,06 Sewermax instead of DICL \$ 1,231,22 Removal of buried inlet structure \$ 37,378,65 HV Realignment \$ 52,144,39 In-situ flow divider manhole \$ 16,031,66 ND600 fittings at attenuation tank \$ 3,942,30 Storm weir day works \$ 7,655,18 Removal of retaining wall at backwash tank \$ 3,942,30 Extended height of DN750 overflow riser \$ 1,875,82 Change in flow direction \$ 18,20,46 Nib wall adjacent attenuation tanks \$ 3,896,99 Clarifier footpath \$ 6,475,92 Dismantting joints at filters \$ 1,896,87 Electrical Disconnection \$ 2,238,50	Attenuation Tank Stair Landing	\$	665.50
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RAS Discharge Modifications \$ 4,100.95 Inlet works new wall \$ 31,220.42 Reactor 1 concrete and sealant repairs (day rates) \$ 123,382.74 Dewatering building handrail \$ 13,001.45 Rock Removal Pit Top Flange \$ 8,228.00 Dayworks - Potable water connection \$ 11,429.15 Ditch 2 Discharge Tee \$ 30,344.75 Inlet works remediation \$ 146,570.64 UV Actuated valves \$ 8,972.41 Filter air valve socket \$ 919.60 Filter Pump 3 repair \$ 19,161.23 Ditch 1 pipework lowering \$ 134,441.29 Increase in height of Pit P1 \$ 5,823.20 Odour refurb not proceeding -\$ 424,671.50 Inlet works ground area \$ 35,756.91 Stormwater pit \$ 15,732.42 Digestor pump VSD Programming \$ 7,392.55	DN600 Inlet works to new FM	\$	4,501.61
Inlet works new wall \$ 31,220.42 Reactor 1 concrete and sealant repairs (day rates) \$ 123,382.74 Dewatering building handrail \$ 13,001.45 Rock Removal Pit Top Flange \$ 8,228.00 Dayworks - Potable water connection \$ 11,429.15 Ditch 2 Discharge Tee \$ 30,344.75 Inlet works remediation \$ 146,570.64 UV Actuated valves \$ 8,972.41 Filter air valve socket \$ 919.60 Filter Pump 3 repair \$ 19,161.23 Ditch 1 pipework lowering \$ 134,441.29 Increase in height of Pit P1 \$ 5,823.20 Odour refurb not proceeding -\$ 424,671.50 Inlet works ground area \$ 35,756.91 Stormwater pit \$ 15,732.42 Digestor pump VSD Programming \$ 7,392.55	Removal of light pole footing (day rates)	\$	8,213.21
Reactor 1 concrete and sealant repairs (day rates) Dewatering building handrail Rock Removal Pit Top Flange Dayworks - Potable water connection Ditch 2 Discharge Tee Inlet works remediation UV Actuated valves Filter air valve socket Filter Pump 3 repair Ditch 1 pipework lowering Increase in height of Pit P1 Odour refurb not proceeding Inlet works ground area Stormwater pit Digestor pump VSD Programming \$ 123,382.74 13,001.45 8 8,228.00 \$ 30,344.75 146,570.64 UV Actuated valves \$ 8,972.41 \$ 146,570.64 Increase in height of Pit P1 \$ 5,823.20 Stormwater pit Stormwater pit \$ 15,732.42	RAS Discharge Modifications	\$	4,100.95
Dewatering building handrail\$ 13,001.45Rock Removal Pit Top Flange\$ 8,228.00Dayworks - Potable water connection\$ 11,429.15Ditch 2 Discharge Tee\$ 30,344.75Inlet works remediation\$ 146,570.64UV Actuated valves\$ 8,972.41Filter air valve socket\$ 919.60Filter Pump 3 repair\$ 19,161.23Ditch 1 pipework lowering\$ 134,441.29Increase in height of Pit P1\$ 5,823.20Odour refurb not proceeding-\$ 424,671.50Inlet works ground area\$ 35,756.91Stormwater pit\$ 15,732.42Digestor pump VSD Programming\$ 7,392.55	Inlet works new wall	\$	31,220.42
Rock Removal Pit Top Flange \$ 8,228.00 Dayworks - Potable water connection \$ 11,429.15 Ditch 2 Discharge Tee \$ 30,344.75 Inlet works remediation \$ 146,570.64 UV Actuated valves \$ 8,972.41 Filter air valve socket \$ 919.60 Filter Pump 3 repair \$ 19,161.23 Ditch 1 pipework lowering \$ 134,441.29 Increase in height of Pit P1 \$ 5,823.20 Odour refurb not proceeding -\$ 424,671.50 Inlet works ground area \$ 35,756.91 Stormwater pit \$ 15,732.42 Digestor pump VSD Programming \$ 7,392.55	Reactor 1 concrete and sealant repairs (day rates)	\$	123,382.74
Dayworks - Potable water connection\$ 11,429.15Ditch 2 Discharge Tee\$ 30,344.75Inlet works remediation\$ 146,570.64UV Actuated valves\$ 8,972.41Filter air valve socket\$ 919.60Filter Pump 3 repair\$ 19,161.23Ditch 1 pipework lowering\$ 134,441.29Increase in height of Pit P1\$ 5,823.20Odour refurb not proceeding-\$ 424,671.50Inlet works ground area\$ 35,756.91Stormwater pit\$ 15,732.42Digestor pump VSD Programming\$ 7,392.55	Dewatering building handrail	\$	13,001.45
Ditch 2 Discharge Tee \$ 30,344.75 Inlet works remediation \$ 146,570.64 UV Actuated valves \$ 8,972.41 Filter air valve socket \$ 919.60 Filter Pump 3 repair \$ 19,161.23 Ditch 1 pipework lowering \$ 134,441.29 Increase in height of Pit P1 \$ 5,823.20 Odour refurb not proceeding -\$ 424,671.50 Inlet works ground area \$ 35,756.91 Stormwater pit \$ 15,732.42 Digestor pump VSD Programming \$ 7,392.55	Rock Removal Pit Top Flange	\$	8,228.00
Inlet works remediation \$ 146,570.64 UV Actuated valves \$ 8,972.41 Filter air valve socket \$ 919.60 Filter Pump 3 repair \$ 19,161.23 Ditch 1 pipework lowering \$ 134,441.29 Increase in height of Pit P1 \$ 5,823.20 Odour refurb not proceeding -\$ 424,671.50 Inlet works ground area \$ 35,756.91 Stormwater pit \$ 15,732.42 Digestor pump VSD Programming \$ 7,392.55	Dayworks - Potable water connection	\$	11,429.15
UV Actuated valves \$ 8,972.41 Filter air valve socket \$ 919.60 Filter Pump 3 repair \$ 19,161.23 Ditch 1 pipework lowering \$ 134,441.29 Increase in height of Pit P1 \$ 5,823.20 Odour refurb not proceeding -\$ 424,671.50 Inlet works ground area \$ 35,756.91 Stormwater pit \$ 15,732.42 Digestor pump VSD Programming \$ 7,392.55	Ditch 2 Discharge Tee	\$	30,344.75
Filter air valve socket \$ 919.60 Filter Pump 3 repair \$ 19,161.23 Ditch 1 pipework lowering \$ 134,441.29 Increase in height of Pit P1 \$ 5,823.20 Odour refurb not proceeding -\$ 424,671.50 Inlet works ground area \$ 35,756.91 Stormwater pit \$ 15,732.42 Digestor pump VSD Programming \$ 7,392.55	Inlet works remediation	\$	146,570.64
Filter Pump 3 repair \$ 19,161.23 Ditch 1 pipework lowering \$ 134,441.29 Increase in height of Pit P1 \$ 5,823.20 Odour refurb not proceeding -\$ 424,671.50 Inlet works ground area \$ 35,756.91 Stormwater pit \$ 15,732.42 Digestor pump VSD Programming \$ 7,392.55	UV Actuated valves	\$	8,972.41
Ditch 1 pipework lowering \$ 134,441.29 Increase in height of Pit P1 \$ 5,823.20 Odour refurb not proceeding -\$ 424,671.50 Inlet works ground area \$ 35,756.91 Stormwater pit \$ 15,732.42 Digestor pump VSD Programming \$ 7,392.55	Filter air valve socket	\$	919.60
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Odour refurb not proceeding -\$ 424,671.50 Inlet works ground area \$ 35,756.91 Stormwater pit \$ 15,732.42 Digestor pump VSD Programming \$ 7,392.55	Ditch 1 pipework lowering	\$	134,441.29
Inlet works ground area\$ 35,756.91Stormwater pit\$ 15,732.42Digestor pump VSD Programming\$ 7,392.55	Increase in height of Pit P1	\$	5,823.20
Stormwater pit \$ 15,732.42 Digestor pump VSD Programming \$ 7,392.55	Odour refurb not proceeding	-\$	424,671.50
Digestor pump VSD Programming \$ 7,392.55	Inlet works ground area	\$	35,756.91
	Stormwater pit		15,732.42
Tree removal \$ 8,883.82			7,392.55
	Tree removal	\$	8,883.82

Inlet works anchor bars	\$	11,410.30
McBern grating	\$	13,187.79
Additional taps	\$	1,715.49
Spine Rd odour pit	\$	4,153.69
GDD – electrical allowance for future ventilation	\$	7,408.70
Inlet additional coving	\$	10,246.80
Filter Tee inspection and replacement	\$	30,776.96
Filter drain down	\$	8,163.54
DN300 valve replacement	\$	931.70
Filter air valve replacement	\$	910.26
Additional handrail on overflow pit	\$	10,436.25
Removal of storm pond lining	-\$	137,702.50
Plugging of ditch 2 pipes	\$	8,885.53
Water meter relocation	\$	13,938.72
Reuse scope reduced	-\$	12,413.94
Diffuser wash area (drainage)	\$	13,043.80
HV Additional works	\$	31,686.99
Filter drain down (mech)	\$	21,046.86
Reuse line capping	\$	3,382.30
Changes to fenceline	\$	14,867.01
Concrete encased DN250 AC Pipe	\$	5,223.65
Odour extraction extension	\$	4,182.41
Flap valves	\$	1,854.93
Drafting solution	\$	14,520.00
Relocation of truck filler valve	\$	1,190.64
Ditch 2 repairs	\$	7,961.02
UV strainer	\$	5,484.33
Inlet works support bolts	\$	10,404.86
Water supply to tip	\$	7,621.41
Vee drain inlet works	\$	11,905.51
Inlet grated drain	\$	1,908.95
Extension of V drain and UV reactor outlet	\$	4,442.10
Footpath Reactor 2	\$	7,310.82
Inlet Bypass Drainage	\$	16,566.83
Kerb road changes near Digestor	\$	45,537.87
Admin building subsoil – dayworks	\$	1,795.94
Nib wall at stone pitching	\$	6,168.28
Alfa Laval Engagement	\$	30,862.26
Vee drain near scum PS	\$	9,722.35
Total value of variations	\$	1,467,541.90