

Appendix A - DETAILED CALCULATION SCHEDULE

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|-----------|---|------|-----|--------------|--------------------------|---|
| 1 | | Rushforth Rd WTP | | | | | |
| 3 | 1 | Design & Developemnt | Item | 1 | 3,110,000.00 | 3,110,000.00 | ~8.0% of Direct Costs |
| 4 | 1.1 | Design management | Item | 1 | 680,000.00 | 680,000.00 | |
| | 1.1.1 | | Item | 1 | 680,000.00 | 680,000.00 | Overall detailed design benchmarked @ 7.9% of Direct Costs. Split between disciplines apportioned based on previous WTP projects. Split between detailed design by Principal and D&C Contractor to be determined based on procurement strategy. |
| | | Design management | | | | | |
| 4 | 1.2 | Process Engineering | Item | 1 | 460,000.00 | 460,000.00 | |
| | 1.2.1 | Process Engineering | Item | 1 | 460,000.00 | 460,000.00 | |
| 4 | 1.3 | Hydraulic Engineering | Item | 1 | 250,000.00 | 250,000.00 | |
| | 1.3.1 | Hydraulic Engineering | Item | 1 | 250,000.00 | 250,000.00 | |
| 4 | 1.4 | Geotechnical engineering | Item | 1 | 150,000.00 | 150,000.00 | |
| | 1.4.1 | Geotechnical engineering | Item | 1 | 150,000.00 | 150,000.00 | |
| 4 | 1.5 | Civil Engineering | Item | 1 | 460,000.00 | 460,000.00 | |
| | 1.5.1 | Civil Engineering | Item | 1 | 460,000.00 | 460,000.00 | |
| 4 | 1.6 | Structural Engineering | Item | 1 | 370,000.00 | 370,000.00 | |
| | 1.6.1 | Structural Engineering | Item | 1 | 370,000.00 | 370,000.00 | |
| 4 | 1.7 | Mechanical Engineering | Item | 1 | 370,000.00 | 370,000.00 | |
| | 1.7.1 | Mechanical Engineering | Item | 1 | 370,000.00 | 370,000.00 | |
| 4 | 1.8 | Electrical & controls engineering | Item | 1 | 310,000.00 | 310,000.00 | |
| | 1.8.1 | Electrical & controls engineering | Item | 1 | 310,000.00 | 310,000.00 | |
| 4 | 1.9 | Environmental Engineering | Item | 1 | 60,000.00 | 60,000.00 | |
| | 1.9.1 | PFAS investigation | Item | 1 | 60,000.00 | 60,000.00 | |
| 3 | 2 | Preliminaries | Item | 1 | 4,538,900.12 | 4,538,900.12 | ~11.7% of Direct costs |
| 4 | 2.1 | Non-recurring | Item | 1 | 1,210,551.93 | 1,210,551.93 | |
| 5 | 2.1.1 | Site Establishment / Mobilisation | Item | 1 | 447,795.63 | 447,795.63 | |
| 6 | 2.1.1.1 | Dilapidation survey | Item | 1 | 7,650.00 | 7,650.00 | |
| | 2.1.1.1.1 | Civil Engineer | Hr | 30 | 255.00 | 7,650.00 | |
| 6 | 2.1.1.2 | Environmental pre-clearance survey | Item | 1 | 0.00 | | |
| | 2.1.1.2.1 | Pre-clearance survey (Ecologist) - NOT REQUIRED | Hr | 0 | 200.00 | Rate only | |
| 6 | 2.1.1.3 | Temp fencing | Item | 1 | 9,413.80 | 9,413.80 | |
| | 2.1.1.3.1 | Temporary fencing to compound perimeter | m | 389 | 24.20 | 9,413.80 | Allowance for plant & sheds only until permanent fence can be installed |
| 6 | 2.1.1.4 | Establish enviro controls | Item | 1 | 123,803.08 | 123,803.08 | |

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|-------|------------------|--|-------------|----------|-------------------|--------------------------|--|
| | 2.1.1.4.1 | Rumble grid, two lanes, suitable for 32t trucks, supply, fix and remove at completion including make-good to roadway | mth | 12 | 2,892.00 | 34,703.97 | |
| | 2.1.1.4.2 | Dirty water drain to work-front perimeter at lower levels | m | 600 | 13.78 | 8,269.24 | |
| | 2.1.1.4.3 | Sediment fence | m | 1,200 | 7.91 | 9,488.45 | |
| | 2.1.1.4.4 | Haybales wrapped in geotextile, staked | No. | 80 | 66.77 | 5,341.42 | |
| | 2.1.1.4.5 | Water quality meter | No. | 1 | 9,000.00 | 9,000.00 | |
| | 2.1.1.4.6 | Sump pumps & layflats, purchase | No. | 4 | 4,000.00 | 16,000.00 | |
| | 2.1.1.4.7 | Allowance for deflocing agent | Item | 1 | 5,000.00 | 5,000.00 | |
| | 2.1.1.4.8 | Sediment dams / turkeys nest establishment | No. | 3 | 7,000.00 | 21,000.00 | |
| | 2.1.1.4.9 | Make-good sed dams / turkeys nest | No. | 3 | 5,000.00 | 15,000.00 | |
| | 6 2.1.1.5 | Hardstands / temp access | Item | 1 | 27,851.95 | 27,851.95 | |
| c | 2.1.1.5.1 | Assumed existing 32ML reservoir can be utilised for the main compound area | | | | | |
| | 2.1.1.5.1.1 | Topsoil strip | m3 | 140 | 23.04 | 3,224.94 | Assumed 200mm thick, 100 x 7 for temporary access roads |
| | 2.1.1.5.1.2 | Cut/fill in OTR haul <250m | m3 | 810 | 7.29 | 5,907.22 | Cut existing 32ML reservoir embankment for vehicle access and egress |
| | 2.1.1.5.1.3 | Geotextile separation layer | m2 | 700 | 2.04 | 1,425.46 | Temp access roads/hardstands |
| | 2.1.1.5.1.4 | Gravel to temporary access roads 300mm thick, supply, place, compact, trim | m3 | 210 | 82.35 | 17,294.33 | Temp access roads/hardstands, Recycled DGB20 100m x 7m x 300mm |
| | 6 2.1.1.6 | Mob site accomodation | Item | 1 | 141,656.80 | 141,656.80 | |
| | 2.1.1.6.1 | Delivery: 12 x 12 office complex, 12 x 9 meeting room, 6 x 3 M/F ablutions | Item | 1 | 7,840.80 | 7,840.80 | |
| | 2.1.1.6.2 | Fit-out: 12 x 12 office complex, 12 x 9 meeting room & 6 x 3 ablutions installation inc. stairs, external deck, external awning roof, furniture & fittings, LED lights, motion sensor to lighting, zip boil unit, blinds, door closers, weaether seals | Item | 1 | 86,325.00 | 86,325.00 | |
| | 2.1.1.6.3 | Earth Anchor & Certification: 12 x 12 office complex, 12 X 9 meeting room & 6 X 3 ablutions | Item | 1 | 13,491.00 | 13,491.00 | |
| | 2.1.1.6.4 | Generator, bunded tanks & temp DB establishment | Item | 1 | 14,000.00 | 14,000.00 | |
| | 2.1.1.6.5 | Allowance for temporary potable water connection to existing on-site water supply including trenching, cut-in and termination | Item | 1 | 5,000.00 | 5,000.00 | |
| | 2.1.1.6.6 | Establish IT fibre/satelite connection, local cabling, server, racks, etc | No. | 1 | 15,000.00 | 15,000.00 | |
| | 6 2.1.1.7 | Safety Equipment | Item | 1 | 45,000.00 | 45,000.00 | |
| | 2.1.1.7.1 | Allowance for PPE, plastic barriers, fall restraints, temporary hand-railling, bollards, safety signage, etc. 0.1% DJC's | Item | 1 | 45,000.00 | 45,000.00 | Bechmark 0.1% DJC's |
| | 6 2.1.1.8 | Plant float | Item | 1 | 92,420.00 | 92,420.00 | |
| | 2.1.1.8.1 | Float <13t tilt tray w/ towbar, >50 <100km | No. | 80 | 520.00 | 41,600.00 | |
| | 2.1.1.8.2 | Float, rigid truck >50 <100km | No. | 30 | 690.00 | 20,700.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|----------------|--|-------------|----------|-------------------|--------------------------|--|
| | 2.1.1.8.3 | Float, semi >50 <100km | No. | 10 | 900.00 | 9,000.00 | |
| | 2.1.1.8.4 | Float low loader >50 <100km | No. | 6 | 1,080.00 | 6,480.00 | |
| | 2.1.1.8.5 | Crane float 120t | No. | 4 | 3,660.00 | 14,640.00 | |
| 5 | 2.1.2 | Investigation | Item | 1 | 24,635.59 | 24,635.59 | |
| 6 | 2.1.2.1 | Geotech investigation - detailed | Item | 1 | 18,040.00 | 18,040.00 | |
| | 2.1.2.1.1 | Geotechnical investigation | Item | 1 | 18,040.00 | 18,040.00 | geotech eng + snr geotech eng 20 hrs + drill rig & crew 20 hrs |
| 6 | 2.1.2.2 | Contamination investigation | Item | 1 | 0.00 | | |
| c | 2.1.2.2.1 | Contamination investigation performed pre-tender by Principal - refer Design ==> Environmental Engineering | | | | | |
| 6 | 2.1.2.3 | Existing services search | Item | 1 | 6,595.59 | 6,595.59 | |
| | 2.1.2.3.1 | Identify services, scan with GPR and EMF | Item | 1 | 3,982.00 | 3,982.00 | 20 hrs scanning, 6 hrs drafting |
| | 2.1.2.3.2 | Positive identification of existing services | Item | 1 | 2,613.59 | 2,613.59 | Vac truck & labourer 10 hrs |
| | 2.1.2.3.3 | Surveying and drafting of identified services | Item | 0 | 8,497.50 | Rate only | Assumed not required |
| 5 | 2.1.3 | Management Plans | Item | 1 | 47,016.00 | 47,016.00 | |
| 6 | 2.1.3.1 | CEMP | Item | 1 | 14,016.00 | 14,016.00 | |
| | 2.1.3.1.1 | Preparation of CEMP | Item | 1 | 14,016.00 | 14,016.00 | P.E. 12 days to procure sub-plans and write CEMP |
| 6 | 2.1.3.2 | Aboriginal Heritage | Item | 1 | 0.00 | | |
| | 2.1.3.2.1 | Aboriginal Heritage Management Plan | No. | 0 | 10,000.00 | Rate only | Assumed unexpected finds protocol only required |
| 6 | 2.1.3.3 | Non aboriginal heritage | Item | 1 | 5,000.00 | 5,000.00 | |
| | 2.1.3.3.1 | Non-aboriginal Heritage Management Plan | No. | 1 | 5,000.00 | 5,000.00 | Assumed existing plans exist for known artifacts |
| 6 | 2.1.3.4 | Flora & fauna management | Item | 1 | 10,000.00 | 10,000.00 | |
| | 2.1.3.4.1 | Flora & Fauna Management Plan | No. | 1 | 10,000.00 | 10,000.00 | |
| 6 | 2.1.3.5 | ERSED Management | Item | 1 | 10,000.00 | 10,000.00 | |
| | 2.1.3.5.1 | Erosion & Sediment Control Plans | No. | 1 | 10,000.00 | 10,000.00 | |
| 6 | 2.1.3.6 | Contaminated soils/PFAS Management Plan | Item | 1 | 8,000.00 | 8,000.00 | |
| | 2.1.3.6.1 | Contaminated soils/PFAS Management Plan | No. | 1 | 8,000.00 | 8,000.00 | MAY NOT BE REQUIRED WHERE PRE-TESTING/PFAS INVESTIGATION ESTABLISHES VENM/ENM ONLY |
| 5 | 2.1.4 | Fees & Insurance | Item | 1 | 487,350.00 | 487,350.00 | |
| 6 | 2.1.4.1 | LSL fee | Item | 1 | 140,250.00 | 140,250.00 | |
| | 2.1.4.1.1 | Long Service Leave Levy | Item | 1 | 140,250.00 | 140,250.00 | |
| 6 | 2.1.4.2 | Professional Indemnity Insurance | Item | 1 | 15,300.00 | 15,300.00 | |
| | 2.1.4.2.1 | PI Insurance | Item | 1 | 15,300.00 | 15,300.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|-----------|--|-------|-------|--------------|--------------------------|---|
| 6 | 2.1.4.3 | Contract Works Insurance | Item | 1 | 203,000.00 | 203,000.00 | |
| | 2.1.4.3.1 | CW Insurance | Item | 1 | 203,000.00 | 203,000.00 | includes provision for 1 No. excess payment \$50,000 |
| 6 | 2.1.4.4 | Public Liability Insurance | Item | 1 | 76,500.00 | 76,500.00 | |
| | 2.1.4.4.1 | PL Insurance | Item | 1 | 76,500.00 | 76,500.00 | |
| 6 | 2.1.4.5 | Bank Guarantee Fees | Item | 1 | 52,300.00 | 52,300.00 | |
| | 2.1.4.5.1 | Bank Guarantees | Item | 1 | 52,300.00 | 52,300.00 | 2 No. x 2.5%, 2 for project duration, 1 for 12mths post completion |
| 5 | 2.1.5 | Demobilisation | Item | 1 | 203,754.71 | 203,754.71 | |
| 6 | 2.1.5.1 | Demob site accomodation | Item | 1 | 10,480.80 | 10,480.80 | |
| | 2.1.5.1.1 | 12 x 12 office complex x 2 No., 12 x 9 meeting room x 2 No., 6 x 3 M/F ablutions removal | Item | 1 | 7,840.80 | 7,840.80 | |
| | 2.1.5.1.2 | Cleaning fee 12 x 3 | No. | 8 | 275.00 | 2,200.00 | |
| | 2.1.5.1.3 | Cleaning fee 6 x 3 | No. | 2 | 220.00 | 440.00 | |
| 6 | 2.1.5.2 | Plant float | Item | 1 | 77,780.00 | 77,780.00 | |
| | 2.1.5.2.1 | Float <13t tilt tray w/ towbar, >50 <100km | No. | 80 | 520.00 | 41,600.00 | |
| | 2.1.5.2.2 | Float, rigid truck >50 <100km | No. | 30 | 690.00 | 20,700.00 | |
| | 2.1.5.2.3 | Float, semi >50 <100km | No. | 10 | 900.00 | 9,000.00 | |
| | 2.1.5.2.4 | Float low loader >50 <100km | No. | 6 | 1,080.00 | 6,480.00 | |
| 6 | 2.1.5.3 | Remove & make-good temporary hardstands / access roads | Item | 1 | 38,998.28 | 38,998.28 | |
| | 2.1.5.3.1 | Removal of temporary fencing | m | 390 | 9.60 | 3,745.33 | |
| | 2.1.5.3.2 | Make-good temporary drains | m | 1,200 | 6.89 | 8,269.24 | |
| | 2.1.5.3.3 | Make-good sediment dam | No. | 3 | 413.46 | 1,240.39 | |
| | 2.1.5.3.4 | Remove temporary gravel and haul to disposal site <2.0km | m3 | 140 | 19.42 | 2,718.42 | Assumed disposal of gravel to local landowner at no cost. Allowance made for haulage up to 2km. |
| | 2.1.5.3.5 | Ameliorate and spread stockpiled topsoil 200mm thick | m3 | 480 | 14.91 | 7,155.04 | |
| | 2.1.5.3.6 | Spraygrass including establishment period | m2 | 2,400 | 6.61 | 15,869.86 | 3 mth establishment with watercart visits |
| 6 | 2.1.5.4 | Site clean-up | Item | 1 | 76,495.63 | 76,495.63 | |
| | 2.1.5.4.1 | Allowance for clean-up | No. | 1 | 76,495.63 | 76,495.63 | Excavator, tipper & labourer 40 hrs + 20t GSW |
| 4 | 2.2 | Recurring | weeks | 50 | 66,566.96 | 3,328,348.19 | |
| 5 | 2.2.1 | Project Mgt & Supervision | week | 50 | 52,052.27 | 2,602,613.66 | 7.6 FTE positions excl. survey & peggy |
| 6 | 2.2.1.1 | Project Management & Engineering | Item | 1 | 1,513,230.00 | 1,513,230.00 | |
| | 2.2.1.1.1 | General Manager / Construction Manager | week | 5 | 12,175.00 | 60,875.00 | 10% |
| | 2.2.1.1.2 | Project Manager | week | 50 | 10,855.00 | 542,750.00 | Full time |
| | 2.2.1.1.3 | Engineer Snr | week | 50 | 5,840.00 | 292,000.00 | Full time |
| | 2.2.1.1.4 | Engineer | week | 40 | 5,036.60 | 201,464.00 | 80% |
| | 2.2.1.1.5 | Planner | week | 10 | 5,036.60 | 50,366.00 | 20% |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|----------------|---|-------------|-----------|-------------------|--------------------------|---|
| | 2.2.1.1.6 | Commercial Manager | week | 5 | 6,055.00 | 30,275.00 | 10% |
| | 2.2.1.1.7 | Procurement Officer | week | 10 | 5,200.00 | 52,000.00 | 20% |
| | 2.2.1.1.8 | Contract Administrator | week | 40 | 4,640.00 | 185,600.00 | 80% |
| | 2.2.1.1.9 | HSEQ Manager | week | 10 | 4,895.00 | 48,950.00 | 20% |
| | 2.2.1.1.10 | Safety Officer | week | 10 | 4,895.00 | 48,950.00 | 20% |
| 6 | 2.2.1.2 | Supervision | Item | 1 | 892,902.86 | 892,902.86 | |
| | 2.2.1.2.1 | General Superintendent | week | 50 | 7,820.91 | 391,045.36 | Full time |
| | 2.2.1.2.2 | Supervisor | week | 100 | 5,018.58 | 501,857.50 | Full time x 2 |
| 6 | 2.2.1.3 | Surveying | Item | 1 | 100,650.00 | 100,650.00 | |
| | 2.2.1.3.1 | Survey crew, establish benchmarks, establish cadastral boundaries, horizontal set-out, earthworks levels and qty's, structure set-out, underground services set-out | week | 10 | 10,065.00 | 100,650.00 | 30 hrs per week |
| 6 | 2.2.1.4 | Grey Labour | | | | | |
| | 2.2.1.4.1 | Peggy | week | 30 | 3,194.36 | 95,830.80 | |
| 5 | 2.2.2 | Site Running Expenses | week | 40 | 18,143.36 | 725,734.53 | |
| 6 | 2.2.2.1 | Site Accomodation | Item | 1 | 102,875.95 | 102,875.95 | |
| | 2.2.2.1.1 | Site office complex 12 x 12, inc. desks, 10 No. and swivel chairs, 14 No. | Week | 40 | 1,009.24 | 40,369.51 | |
| | 2.2.2.1.2 | Meeting room 12 x 9 inc. furniture | Week | 40 | 688.22 | 27,528.87 | |
| | 2.2.2.1.3 | Crib hut 12 x 3 inc. fitout | Weeks | 80 | 217.09 | 17,367.21 | |
| | 2.2.2.1.4 | Ablutions 6.0 x 3.0 MF | week | 40 | 323.40 | 12,936.00 | |
| | 2.2.2.1.5 | Container | Week | 80 | 58.43 | 4,674.36 | |
| 6 | 2.2.2.2 | Waste | Item | 1 | 116,966.98 | 116,966.98 | |
| | 2.2.2.2.1 | Site waste | week | 78 | 1,499.58 | 116,966.98 | 4t GSW per week, 2 skips (recycling) |
| 6 | 2.2.2.3 | Power | Item | 1 | 52,192.00 | 52,192.00 | |
| | 2.2.2.3.1 | Generator, 80KV a inc. fuel | week | 28 | 1,864.00 | 52,192.00 | assume permanent power available within 3mths of completion |
| 6 | 2.2.2.4 | Water | Item | 1 | 0.00 | | |
| | 2.2.2.4.1 | Allowance for potable water delivered by watercart | week | 0 | 591.24 | Rate only | Assumed potable water available on site |
| 6 | 2.2.2.5 | Sewer | Item | 1 | 17,600.00 | 17,600.00 | |
| | 2.2.2.5.1 | Waste water pump out | each | 40 | 440.00 | 17,600.00 | Opportunity for sewer connection |
| 6 | 2.2.2.6 | Security | Item | 1 | 5,051.20 | 5,051.20 | |
| | 2.2.2.6.1 | Security cameras | week | 80 | 63.14 | 5,051.20 | 2 No. |
| 6 | 2.2.2.7 | IT (inc. software licenses) | Item | 1 | 28,000.00 | 28,000.00 | |
| | 2.2.2.7.1 | IT per person p.a. | No. | 8 | 3,500.00 | 28,000.00 | |

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|-------|--------------|--|------|-----|---------------|--------------------------|---|
| 6 | 2.2.2.8 | Petty Cash | Item | 1 | 20,000.00 | 20,000.00 | |
| | 2.2.2.8.1 | Petty Cash | week | 40 | 500.00 | 20,000.00 | |
| 6 | 2.2.2.9 | Small tools | Item | 1 | 67,500.00 | 67,500.00 | |
| | 2.2.2.9.1 | Small tools allowance | Item | 1 | 67,500.00 | 67,500.00 | Benchmark 0.15% of DJC's |
| 6 | 2.2.2.10 | Plant & equipment | Item | 1 | 258,100.00 | 258,100.00 | |
| | 2.2.2.10.1 | Maeda/telehandler, dry inc. fuel | week | 40 | 1,592.50 | 63,700.00 | |
| | 2.2.2.10.2 | Crane, 120t | week | 4 | 24,400.00 | 97,600.00 | |
| | 2.2.2.10.3 | Franna 18t | week | 10 | 9,680.00 | 96,800.00 | |
| 6 | 2.2.2.11 | Enviro | Item | 1 | 27,877.44 | 27,877.44 | |
| 7 | 2.2.2.11.1 | Enviro testing | Item | 1 | 4,300.00 | 4,300.00 | |
| | 2.2.2.11.1.1 | Water quality testing | No. | 10 | 130.00 | 1,300.00 | |
| | 2.2.2.11.1.2 | Soil classification testing, (5,000t lot) | No. | 5 | 600.00 | 3,000.00 | Opportunity for 0 tests where all spoil remains on site |
| 7 | 2.2.2.11.2 | CEMP auditing | Item | 1 | 8,000.00 | 8,000.00 | |
| | 2.2.2.11.2.1 | Environmental audit | No. | 1 | 8,000.00 | 8,000.00 | |
| 7 | 2.2.2.11.3 | Enviro controls maintenance | Item | 1 | 15,577.44 | 15,577.44 | |
| | 2.2.2.11.3.1 | Allowance for environmental controls maintenance | week | 40 | 389.44 | 15,577.44 | Labourer 4hrs/week + misc materials |
| 6 | 2.2.2.12 | Safety | Item | 1 | 29,570.96 | 29,570.96 | |
| 7 | 2.2.2.12.1 | Inductions | Item | 1 | 13,570.96 | 13,570.96 | |
| | 2.2.2.12.1.1 | Inductions | No. | 50 | 271.42 | 13,570.96 | |
| 7 | 2.2.2.12.2 | Safety Audits | Item | 1 | 16,000.00 | 16,000.00 | |
| | 2.2.2.12.2.1 | Safety audits | No. | 2 | 8,000.00 | 16,000.00 | |
| 7 | 2.2.2.12.3 | Safety equipment | Item | 1 | 0.00 | | |
| c | 2.2.2.12.3.1 | Included in Preliminaries ==> Non-recurring ==> Establishment | | | | | |
| 3 | 3 | Direct Costs | Item | 1 | 38,846,378.42 | 38,846,378.42 | |
| 4 | 3.1 | Site Wide Infrastructure | Item | 1 | 3,269,671.08 | 3,269,671.08 | |
| 5 | 3.1.1 | Earthworks, roads and drainage | Item | 1 | 2,972,582.79 | 2,972,582.79 | |
| 6 | 3.1.1.1 | Clearing & grubbing | Item | 1 | 0.00 | | |
| c | 3.1.1.1.1 | Not applicable | | | | | |
| 6 | 3.1.1.2 | Stormwater drainage | Item | 1 | 259,079.37 | 259,079.37 | |
| c | 3.1.1.2.1 | Stormwater pits, pipes and structures have been assumed due to civil design being completed to concept stage only without detailed stormwater design | | | | | |
| | 3.1.1.2.1.1 | Kerb inlet pit w/ class D grate - 1200 x 1200mm, exceeding 1.0m but not exceeding 1.5m deep | No | 12 | 6,285.43 | 75,425.12 | Size assumed. Depth assumed to avoid clashes with conduits & process pipework |
| | 3.1.1.2.1.2 | Kerb inlet pit w/ class D grate - 1200 x 1200mm, exceeding 2.0m but not exceeding 2.5m deep | No | 2 | 7,475.11 | 14,950.22 | Size assumed. Depth assumed to avoid clashes with conduits & process pipework |

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|----------|--------------------|--|-------------|------------|---------------------|--------------------------|--|
| | 3.1.1.2.1.3 | 225mm dia. stormwater pipe 1.50m to 2.50m deep | m | 113 | 317.24 | 35,848.32 | Depths assumed to avoid clashes with conduits and process pipework |
| | 3.1.1.2.1.4 | 375mm dia. stormwater pipe 1.50 to 2.0m deep | m | 262 | 446.06 | 116,866.58 | Depths assumed to avoid clashes with conduits and process pipework |
| | 3.1.1.2.1.5 | Excavation in OTR for OSD basin/s inc. haul to spoil | m3 | 50 | 56.88 | 2,843.80 | |
| | 3.1.1.2.1.6 | Trim and grade basin base and batters ready to receive planting | m2 | 65 | 21.90 | 1,423.21 | |
| | 3.1.1.2.1.7 | OSD basin inlet headwall including rip rap and geotextile fabric | No | 2 | 2,931.93 | 5,863.86 | ALLOWANCE FOR HEADWALL TO SUIT DN375. RIP RAP ASSUMED 1.0M X 1.0M X 0.5M |
| | 3.1.1.2.1.8 | OSD basin outlet headwall including rip rap and geotextile fabric | No | 2 | 2,929.13 | 5,858.26 | ALLOWANCE FOR HEADWALL TO SUIT DN375. RIP RAP ASSUMED 1.0M X 1.0M X 0.5M |
| 6 | 3.1.1.3 | Fire Water Ringmain | | | | | |
| | 3.1.1.3.1 | HDPE DN150 pipework below-ground, supply & install | m | 406 | 176.74 | 71,758.42 | |
| | 3.1.1.3.2 | DN150 HDPE pipework above-ground supply & install | m | 180 | 419.56 | 75,520.08 | |
| | 3.1.1.3.3 | Fire hydrants, supply & install | No. | 8 | 650.00 | 5,200.00 | Nominal allowance |
| 6 | 3.1.1.4 | Earthworks | Item | 1 | 1,551,971.09 | 1,551,971.09 | |
| 7 | 3.1.1.4.1 | Cut / Fill | | | | | |
| | 3.1.1.4.1.1 | Stripping topsoil from cleared site areas, stockpiling any suitable for re-use in landscaping works | m3 | 2,618 | 20.12 | 52,672.74 | ASSUMED TOPSOIL 200MM THICK |
| | 3.1.1.4.1.2 | Haul road construction | m2 | 1,050 | 30.00 | 31,500.00 | TO EXISTING BORROW PIT |
| | 3.1.1.4.1.3 | Cut & haul to to spoil stockpile <250m | m3 | 1,758 | 17.65 | 31,021.48 | Clay hauled to existing borrow pit location |
| | 3.1.1.4.1.4 | Removal of soft spots, haul to disposal, replace with suitable material (assumed won on site) | m3 | 1,309 | 50.17 | 65,666.67 | ASSUMED 20% OF SUBGRADE (BY AREA) UNSUITABLE, REMOVED TO DEPTH OF 500MM |
| | 3.1.1.4.1.5 | Import select fill | t | 10,400 | 25.00 | 260,000.00 | Crusher dust - Boral |
| | 3.1.1.4.1.6 | Place & compact fill to subgrade levels | m3 | 4,952 | 14.35 | 71,050.27 | ASSUMED CUT MATERIAL IS SUITABLE FOR REUSE AS FILL |
| | 3.1.1.4.1.7 | Trim & compact to bulk levels | m2 | 13,089 | 1.03 | 13,421.37 | |
| | 3.1.1.4.1.8 | Trim and compact batters 1:3 | m2 | 1,905 | 10.02 | 19,088.50 | |
| 7 | 3.1.1.4.2 | Retaining walls | | | | | |
| 8 | 3.1.1.4.2.1 | R.E. Wall | m2 | 658 | 1,531.23 | 1,007,550.06 | |
| | 3.1.1.4.2.1.1 | R.E. supplier design | Item | 1 | 19,000.00 | 19,000.00 | |
| | 3.1.1.4.2.1.2 | Reinforced Earth Terra Plus Wall supply inc. - plain grey panels 2 x 2 off form finish, - galv. steel reinforcement strips, - delivered to site | m2 | 658 | 533.00 | 350,714.00 | |
| | 3.1.1.4.2.1.3 | Imported fill to Reco R.E. wall backfill specification | t | 6,471 | 42.00 | 271,782.00 | |
| | 3.1.1.4.2.1.4 | Import free draining material (crushed rock 20 minus) | t | 290 | 48.00 | 13,920.00 | |
| | 3.1.1.4.2.1.5 | Geofabric class C, supply | m2 | 460 | 3.68 | 1,692.80 | |
| | 3.1.1.4.2.1.6 | Place and compact select fill/ crushed rock (Reco R.E. wall spec.) in layers not exceeding 300mm | m3 | 3,220 | 10.69 | 34,420.46 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|------------------|--|-------------|--------------|-------------------|--------------------------|---|
| | 3.1.1.4.2.1.7 | Haul from stockpile, place & compact general fill | m3 | 6,639 | 14.35 | 95,254.99 | Assumed spoil is double handled from stockpile to fill zone |
| | 3.1.1.4.2.1.8 | Supply and place stip footing, nominally 400 x 100 | m3 | 5 | 1,800.00 | 9,000.00 | |
| | 3.1.1.4.2.1.9 | R.E. panel erection inc. reinforcing strip lay & fix, panel recess infill w. epoxy mortar | m2 | 658 | 321.83 | 211,765.81 | Production rate 25m2/day fix panels. 4 man crew. Refer Reco Construction Manual |
| 6 | 3.1.1.5 | Road pavements | Item | 1 | 904,352.87 | 904,352.87 | |
| 7 | 3.1.1.5.1 | Rigid Pavement | m2 | 3,454 | 177.38 | 612,672.25 | |
| | 3.1.1.5.1.1 | Final trim to subgrade (area includes extra 200mm beyond kerb) | m2 | 4,491 | 1.66 | 7,439.83 | |
| | 3.1.1.5.1.2 | Subsoil drainage to back of kerb | m | 1,200 | 5.39 | 6,468.80 | |
| | 3.1.1.5.1.3 | Kerb & gutter SA profile | m | 1,200 | 91.85 | 110,222.16 | |
| | 3.1.1.5.1.4 | Dish drain SB profile | m | 35 | 147.57 | 5,164.81 | |
| | 3.1.1.5.1.5 | 160mm thick DGB20 basecourse compacted to 95 MDD inc. 1% stabilisation (85:15 slag/lime) | m3 | 553 | 164.21 | 90,810.57 | |
| | 3.1.1.5.1.6 | SL92 mesh in pavement slab | m2 | 3,454 | 22.61 | 78,096.96 | |
| | 3.1.1.5.1.7 | S32MPa (4MPa flexural strength) natural concrete (80 slump, 25 max. agg, SL cement) in 160mm thick pavement slab | m3 | 553 | 477.69 | 264,161.69 | |
| | 3.1.1.5.1.8 | Expansion joints (dowel joints) in pavement slab | m | 116 | 164.51 | 19,083.59 | N20 @ 400 cts w/ sikaflex seal to joint |
| | 3.1.1.5.1.9 | Saw cut joints in pavement slab 30 x 6mm saw cut, sealant & backing rod | m | 230 | 27.09 | 6,230.09 | Inc. sikflex seal to joint |
| | 3.1.1.5.1.10 | Allowance for curing | m2 | 3,454 | 5.26 | 18,161.75 | |
| | 3.1.1.5.1.11 | Line-marking | m | 494 | 3.00 | 1,482.00 | |
| | 3.1.1.5.1.12 | Line-marking symbols | No. | 5 | 650.00 | 3,250.00 | |
| | 3.1.1.5.1.13 | Line-marking hatched areas / zebra crossings | m2 | 42 | 50.00 | 2,100.00 | |
| 7 | 3.1.1.5.2 | Flexible Pavement | m2 | 1,509 | 169.12 | 255,200.62 | |
| | 3.1.1.5.2.1 | Final trim to subgrade | m2 | 1,962 | 1.66 | 3,250.26 | Assumed flexible pavement to areas with no turning forces from trucks |
| | 3.1.1.5.2.2 | Pavement, 450mm thick DGB20 in layers n.e. 150mm each | m3 | 680 | 111.78 | 76,011.16 | |
| | 3.1.1.5.2.3 | Preparation of the existing surface | m2 | 1,509 | 2.20 | 3,319.80 | |
| | 3.1.1.5.2.4 | Prime AMCO material, spray rate 1l/m2 | Litre | 1,509 | 4.60 | 6,941.40 | |
| | 3.1.1.5.2.5 | Heavy duty dense graded asphalt in surfacing course (C320) AC14, 50mm thick | t | 185 | 390.00 | 72,150.00 | |
| | 3.1.1.5.2.6 | Heavy duty dense graded asphalt in intermediate course (A15E) AC14, 70mm thick | t | 258 | 360.00 | 92,880.00 | |
| | 3.1.1.5.2.7 | Line-marking | m | 216 | 3.00 | 648.00 | |
| 7 | 3.1.1.5.3 | Barriers | m | 114 | 320.00 | 36,480.00 | |
| | 3.1.1.5.3.1 | Concrete barrier | m | 114 | 320.00 | 36,480.00 | |
| 6 | 3.1.1.6 | Pedestrian access | Item | 1 | 104,700.96 | 104,700.96 | |
| 7 | 3.1.1.6.1 | Footpaths | m2 | 1 | 60,106.70 | 60,106.70 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|---------------|---|--------|------|------------|--------------------------|-----------------------------------|
| | 3.1.1.6.1.1 | Footpath 1.20m wide, 75mm thick, 1 layer SL72 mesh on 50mm sand basecourse | m2 | 467 | 128.71 | 60,106.70 | |
| 7 | 3.1.1.6.2 | Access Stairs (1 No.) | MR | 7 | 6,370.61 | 44,594.26 | Stairs from RL 71 to RL78 x 2 No. |
| | 3.1.1.6.2.1 | Pad footings complete | m3 | 2 | 1,800.00 | 3,600.00 | |
| | 3.1.1.6.2.2 | Allowance for structural steel 15-40KG/M, shop drafting, supply, fabricate, surface protection, install | t | 0.85 | 13,873.35 | 11,792.35 | Support structure to stairs |
| | 3.1.1.6.2.3 | Galvanized steel stair stingers & treads | MR | 7 | 1,665.92 | 11,661.47 | |
| | 3.1.1.6.2.4 | Webforge A325MPG mesh grating, HDG, fixed to steel trimmers | m2 | 9 | 450.00 | 4,050.00 | Walkways and landings |
| | 3.1.1.6.2.5 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 37 | 364.61 | 13,490.44 | |
| 5 | 3.1.2 | Mechanical & Process | Item | 1 | 297,088.29 | 297,088.29 | |
| 6 | 3.1.2.1 | Equipment | Item | 1 | 116,459.41 | 116,459.41 | |
| 7 | 3.1.2.1.1 | Raw Water | | | | | |
| | 3.1.2.1.1.1 | Raw water analyser panel, E&H + others | No. | 1 | 12,250.00 | 12,250.00 | |
| | 3.1.2.1.1.2 | Raw water analyser panel - install | No. | 1 | 1,687.32 | 1,687.32 | |
| 7 | 3.1.2.1.2 | 82 CCT | | | | | |
| | 3.1.2.1.2.1 | Inlet water analyser panel | No. | 1 | 30,220.00 | 30,220.00 | |
| | 3.1.2.1.2.2 | Analyser panel - install | No. | 1 | 1,687.32 | 1,687.32 | |
| 7 | 3.1.2.1.3 | Waste Water Balance Tank | | | | | |
| | 3.1.2.1.3.1 | Instrument Water Pump | No. | 1 | 2,500.00 | 2,500.00 | |
| | 3.1.2.1.3.2 | Pump install | No. | 1 | 6,749.30 | 6,749.30 | |
| 7 | 3.1.2.1.4 | O/W Separator | Item | 1 | 61,365.47 | 61,365.47 | |
| 8 | 3.1.2.1.4.1 | Slab | m3 | 18 | 3,082.95 | 55,493.15 | |
| | 3.1.2.1.4.1.1 | Blinding | m2 | 105 | 42.86 | 4,499.93 | |
| | 3.1.2.1.4.1.2 | Edge form - 300mm | m | 42 | 183.09 | 7,689.83 | |
| | 3.1.2.1.4.1.3 | Membrane | m2 | 137 | 5.64 | 773.31 | |
| | 3.1.2.1.4.1.4 | Supply & fix Reinforcing | Tonnes | 2.52 | 4,364.22 | 10,997.84 | 140 kg/m3 |
| | 3.1.2.1.4.1.5 | Supply & place N40 concrete to slab on ground | m3 | 18 | 556.96 | 10,025.32 | 300x300 edge beams, 150 slab |
| | 3.1.2.1.4.1.6 | Saw cut joints in pavement slab 30 x 6mm saw cut, sealant & backing rod | m | 20 | 27.09 | 541.75 | Inc. sikflex seal to joint |
| | 3.1.2.1.4.1.7 | Kerb 150 x 150 | m | 42 | 250.00 | 10,500.00 | |
| | 3.1.2.1.4.1.8 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 105 | 87.76 | 9,214.73 | |
| | 3.1.2.1.4.1.9 | Curing | m2 | 105 | 11.91 | 1,250.44 | |
| 8 | 3.1.2.1.4.2 | Mechanical | | | | | |
| | 3.1.2.1.4.2.1 | Oil water separator | No. | 1 | 4,185.00 | 4,185.00 | |
| | 3.1.2.1.4.2.2 | Oil water separator install | No. | 1 | 1,687.32 | 1,687.32 | |
| 6 | 3.1.2.2 | Valves | | | | | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|---------------|--|------|-----|----------|--------------------------|---------|
| 7 | 3.1.2.2.1 | Compressed Air | | | | | |
| 8 | 3.1.2.2.1.1 | Supply | | | | | |
| | 3.1.2.2.1.1.1 | BALL VALVE, DN25, SS316, Sched. 10, Asmuss 3 piece ball valve Seat Material 316SS | No. | 13 | 52.98 | 688.74 | |
| | 3.1.2.2.1.1.2 | BALL VALVE, DN50, SS316, Sched. 10, Asmuss 3 piece ball valve Seat Material 316SS | No. | 15 | 159.00 | 2,385.00 | |
| | 3.1.2.2.1.1.3 | BUTTERFLY VALVE, DN50 | No. | 2 | 250.00 | 500.00 | |
| | 3.1.2.2.1.1.4 | Check valve, DN50, SS316, sched. 10 supply | No. | 2 | 759.00 | 1,518.00 | |
| | 3.1.2.2.1.1.5 | PRESSURE REGULATING VALVE, DN50, PVCS80, GF Type 586 Seat Material, PVC / FKM | No. | 1 | 1,391.50 | 1,391.50 | |
| 8 | 3.1.2.2.1.2 | Install | | | | | |
| | 3.1.2.2.1.2.1 | DN25 Valve Installation | /ea | 14 | 192.63 | 2,696.85 | |
| | 3.1.2.2.1.2.2 | DN50 Valve Installation | /ea | 20 | 276.91 | 5,538.18 | |
| 7 | 3.1.2.2.2 | Service Water | | | | | |
| 8 | 3.1.2.2.2.1 | RPZD | | | | | |
| | 3.1.2.2.2.1.1 | BACKFLOW PREVENTER-RPZD, DN25, PVCS80, Seat Material 316SS | No. | 8 | 1,505.00 | 12,040.00 | |
| | 3.1.2.2.2.1.2 | BACKFLOW PREVENTER-RPZD, DN32, SS316, Sched. 10, Wilkins 375 Seat Material, Wilkins 375 Series Flanged, 2x bray butterfly valves, Y strainer | No. | 1 | 1,667.00 | 1,667.00 | |
| | 3.1.2.2.2.1.3 | BACKFLOW PREVENTER-RPZD, DN50, SS316, Sched. 10, Wilkins 375 Seat Material, Wilkins 375 Series Flanged, 2x bray butterfly valves, Y strainer | No. | 3 | 1,667.00 | 5,001.00 | |
| | 3.1.2.2.2.1.4 | BACKFLOW PREVENTER-RPZD, DN80, SS316, Sched. 10, Seat Material 316SS | No. | 1 | 4,138.31 | 4,138.31 | |
| | 3.1.2.2.2.1.5 | BACKFLOW PREVENTER-RPZD, DN100, SS316, Sched. 10, Seat Material 316SS | No. | 1 | 6,000.00 | 6,000.00 | |
| 8 | 3.1.2.2.2.2 | BALL VALVE | | | | | |
| | 3.1.2.2.2.2.1 | Ball valve, DN25, SS316, sched. 10 supply | No. | 145 | 110.00 | 15,950.00 | |
| | 3.1.2.2.2.2.2 | BALL VALVE, DN32, PVCS80, GF 546 Pro Seat Material, PVC / FKM | No. | 2 | 225.13 | 450.26 | |
| | 3.1.2.2.2.2.3 | Ball valve, DN50, SS316, sched. 10 supply | No. | 4 | 313.00 | 1,252.00 | |
| | 3.1.2.2.2.2.4 | BALL VALVE, DN80, PVCS80, GF 546 Pro Seat Material, PVC / FKM | No. | 7 | 653.00 | 4,571.00 | |
| | 3.1.2.2.2.2.5 | Ball Valve, DN100, SS316, Sched. 10, GF Type 517 Seat Material, PVC / PTFE | No. | 7 | 2,265.00 | 15,855.00 | |
| 8 | 3.1.2.2.2.3 | BUTTERFLY VALVE | | | | | |
| | 3.1.2.2.2.3.1 | Butterfly Valve, DN80, SS316, Sched. 10, Bray Series 3L Seat Material, Ductile iron body, 316SST disc, 431SST shaft, Vulcanised EPDM seat. | No. | 2 | 359.00 | 718.00 | |
| 8 | 3.1.2.2.2.4 | CHECK VALVE | | | | | |
| | 3.1.2.2.2.4.1 | CHECK VALVE, DN25, SS316, Sched. 10, GF Type 561 Seat Material, PVC / FKM | No. | 25 | 103.29 | 2,582.25 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|----------------|---|------|-----|------------|--------------------------|---------|
| | 3.1.2.2.2.4.2 | CHECK VALVE, DN80, PVCS80, Bray Bray/Rite Seat Material 316SS | No. | 4 | 601.00 | 2,404.00 | |
| | 3.1.2.2.2.4.3 | CHECK VALVE, DN100, SS316, Sched. 10, Bray Bray/Rite Seat Material 316SS | No. | 3 | 868.79 | 2,606.37 | |
| 8 | 3.1.2.2.2.5 | DIAPHRAGM VALVE | | | | | |
| | 3.1.2.2.2.5.1 | DIAPHRAGM VALVE, DN25, PVCS80, GF Type 514 Seat Material, PVC / PTFE | No. | 25 | 307.77 | 7,694.25 | |
| 8 | 3.1.2.2.2.6 | FLOAT VALVE | | | | | |
| | 3.1.2.2.2.6.1 | FLOAT VALVE, DN25, SS316, Sched. 10, Allowance Seat Material 316SS | No. | 3 | 500.00 | 1,500.00 | |
| 8 | 3.1.2.2.2.7 | MOTORISED BALL VALVE | | | | | |
| | 3.1.2.2.2.7.1 | Ball Valve Motorised, DN15, SS316, Sched. 10, Seat Material 316SS | No. | 12 | 632.00 | 7,584.00 | |
| 8 | 3.1.2.2.2.8 | PRESSURE REGULATING VALVE | | | | | |
| | 3.1.2.2.2.8.1 | PRESSURE REGULATING VALVE, DN25, PVCS80, GF Type 586 Seat Material, PVC / FKM | No. | 5 | 536.00 | 2,680.00 | |
| | 3.1.2.2.2.8.2 | PRESSURE REGULATING VALVE, DN32, PVCS80, Burkert 228393 Seat Material 316SS | No. | 2 | 345.00 | 690.00 | |
| | 3.1.2.2.2.8.3 | PRESSURE REGULATING VALVE, DN50, PVCS80, GF Type 586 Seat Material, PVC / FKM | No. | 1 | 1,391.50 | 1,391.50 | |
| | 3.1.2.2.2.8.4 | PRESSURE REGULATING VALVE, DN80, PVCS80, GF Type 586 Seat Material, PVC / FKM | No. | 1 | 3,197.00 | 3,197.00 | |
| 8 | 3.1.2.2.2.9 | SOLENOID VALVE | | | | | |
| | 3.1.2.2.2.9.1 | Solenoid Valve, DN25, PVCS80, Burkert 228393 | No. | 1 | 536.00 | 536.00 | |
| | 3.1.2.2.2.9.2 | Solenoid Valve, DN32, PVCS80, Burkert 228402 | No. | 4 | 1,524.00 | 6,096.00 | |
| 8 | 3.1.2.2.2.10 | Install | | | | | |
| | 3.1.2.2.2.10.1 | DN25 Valve Installation | /ea | 224 | 192.63 | 43,149.63 | |
| | 3.1.2.2.2.10.2 | DN32 Valve Installation | /ea | 9 | 204.67 | 1,842.05 | |
| | 3.1.2.2.2.10.3 | DN50 Valve Installation | /ea | 9 | 276.91 | 2,492.18 | |
| | 3.1.2.2.2.10.4 | DN80 Valve Installation | /ea | 15 | 385.26 | 5,778.97 | |
| | 3.1.2.2.2.10.5 | DN100 Valve Installation | /ea | 10 | 517.70 | 5,176.99 | |
| | 3.1.2.2.2.10.6 | DN200 Valve Installation | /ea | 1 | 866.85 | 866.85 | |
| 4 | 3.2 | Ancillary Systems (water and air) (02, 03, 04, 66) | Item | 1 | 985,928.22 | 985,928.22 | |
| 5 | 3.2.1 | Mechanical & Process | Item | 1 | 985,928.22 | 985,928.22 | |
| 6 | 3.2.1.1 | Equipment | Item | 1 | 478,564.43 | 478,564.43 | |
| 7 | 3.2.1.1.1 | 04 Potable Water System | | | | | |
| | 3.2.1.1.1.1 | Potable water pump | NO. | 2 | 7,591.00 | 15,182.00 | |
| | 3.2.1.1.1.2 | Pump install, small | No. | 2 | 6,749.30 | 13,498.60 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|------------------|--|-------------|----------|---------------------|--------------------------|---|
| | 3.2.1.1.1.3 | Potable water pressure vessel (grundfos) | No. | 1 | 148.00 | 148.00 | |
| | 3.2.1.1.1.4 | Safety Shower Enware ECE270 | No. | 15 | 2,050.00 | 30,750.00 | |
| | 3.2.1.1.1.5 | Safety Shower install | No. | 15 | 1,476.41 | 22,146.14 | |
| 7 | 3.2.1.1.2 | 66 Backwash Blowers | | | | | |
| | 3.2.1.1.2.1 | DAFF Air Scour Blower 1 Vendor Package | No. | 2 | 68,235.00 | 136,470.00 | noted on equipment schedule in process area 66 backwash blowers |
| | 3.2.1.1.2.2 | DAFF Air Scour Blower package - install | Item | 1 | 21,091.56 | 21,091.56 | |
| 7 | 3.2.1.1.3 | 03 Service Water | | | | | |
| | 3.2.1.1.3.1 | Service Water Pump accumulator vessel | No. | 1 | 500.00 | 500.00 | |
| | 3.2.1.1.3.2 | Service Water booster pump | No. | 2 | 2,438.00 | 4,876.00 | |
| | 3.2.1.1.3.3 | Pump install | No. | 2 | 6,749.30 | 13,498.60 | |
| | 3.2.1.1.3.4 | Service Water booster pump motor | No. | 2 | 1,500.00 | 3,000.00 | |
| | 3.2.1.1.3.5 | Service water booster set | No. | 1 | 45,505.00 | 45,505.00 | |
| | 3.2.1.1.3.6 | Booster set install | No. | 1 | 16,873.25 | 16,873.25 | |
| | 3.2.1.1.3.7 | CO2 Service water booster pump 1 | No. | 1 | 55,664.00 | 55,664.00 | |
| | 3.2.1.1.3.8 | Pump install | No. | 1 | 16,873.25 | 16,873.25 | |
| 7 | 3.2.1.1.4 | 02 Compressed Air | | | | | |
| | 3.2.1.1.4.1 | Air receiver Atlas Copco 3m3 | No. | 1 | 16,069.00 | 16,069.00 | |
| | 3.2.1.1.4.2 | Air receiver install | No. | 1 | 2,109.16 | 2,109.16 | |
| | 3.2.1.1.4.3 | Compressed Air system (package) GA7VSD + FF including dryer, Atlas Copco | No. | 1 | 39,000.00 | 39,000.00 | |
| | 3.2.1.1.4.4 | Compressed Air system install | Item | 1 | 25,309.87 | 25,309.87 | |
| 6 | 3.2.1.2 | Pipework | Item | 1 | 507,363.79 | 507,363.79 | |
| 7 | 3.2.1.2.1 | 04 Potable Water System | | | | | |
| | 3.2.1.2.1.1 | Pipework supply DN50 SS136 S10 | m | 350 | 250.06 | 87,522.14 | Potable Water |
| | 3.2.1.2.1.2 | Pipework install below gnd DN50 | m | 280 | 134.63 | 37,695.77 | Potable Water |
| | 3.2.1.2.1.3 | DN50 SCH 10 SS pipe & fittings above ground installation | m | 70 | 178.82 | 12,517.47 | Potable Water |
| 7 | 3.2.1.2.2 | 03 Service Water | | | | | |
| | 3.2.1.2.2.1 | Pipework supply DN100 SS136 S10 | m | 550 | 446.18 | 245,397.90 | Service Water Distribution |
| | 3.2.1.2.2.2 | Pipework install below gnd DN100 | m | 225 | 217.17 | 48,864.04 | Service Water Distribution |
| | 3.2.1.2.2.3 | DN100 SCH 10 SS Pipe & Fittings above-ground Installation | m | 225 | 269.75 | 60,693.29 | Service Water Distribution |
| | 3.2.1.2.2.4 | Pipework supply DN200 SS136 S10 supply & fabricate | m | 10 | 998.42 | 9,984.24 | Service Water pumps suction |
| | 3.2.1.2.2.5 | DN200 SCH 10 SS pipe & fittings above ground installation | m | 10 | 468.89 | 4,688.94 | Service Water pumps suction |
| 4 | 3.3 | Flocculation Tanks (001) | Item | 1 | 2,718,414.92 | 2,718,414.92 | |
| 5 | 3.3.1 | Civils | Item | 1 | 33,963.53 | 33,963.53 | |
| 6 | 3.3.1.1 | Foundations | Item | 1 | 26,104.69 | 26,104.69 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|----------------|---|-------------|------------|---------------------|--------------------------|--|
| | 3.3.1.1.1 | Allowance for foundations | m2 | 190 | 137.39 | 26,104.69 | Allowance for bored piers 600mm dia. 2.0m long, 1 per 11m2 |
| 6 | 3.3.1.2 | Detailed excavation | Item | 1 | 7,858.84 | 7,858.84 | |
| | 3.3.1.2.1 | Detailed excavation | m3 | 64 | 67.19 | 4,300.44 | 800 x 800 eadge beam and under internal walls |
| | 3.3.1.2.2 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 135 | 5.81 | 784.97 | |
| | 3.3.1.2.3 | Trim & compact subgrade | m2 | 190 | 14.60 | 2,773.43 | |
| 5 | 3.3.2 | Structural | Item | 1 | 1,921,228.00 | 1,921,228.00 | |
| 6 | 3.3.2.1 | Slab on ground | m3 | 127 | 2,999.08 | 380,883.18 | |
| | 3.3.2.1.1 | Blinding | m2 | 190 | 42.86 | 8,142.74 | |
| | 3.3.2.1.2 | Foretcon membrane | m2 | 247 | 5.64 | 1,394.21 | |
| | 3.3.2.1.3 | Edge form 800mm high | m | 70 | 183.09 | 12,816.38 | |
| | 3.3.2.1.4 | Supply & fix Reinforcing | Tonnes | 30.58 | 4,364.22 | 133,457.91 | 220 kg/m3 |
| | 3.3.2.1.5 | Cast-in pressure releif valves, 40mm ID | No. | 12 | 1,539.27 | 18,471.29 | 2 per tank |
| | 3.3.2.1.6 | Supply & place S40 concrete to slab on ground | m3 | 127 | 644.79 | 81,888.55 | edge & int. beams 800x800, slab 400mm thick |
| | 3.3.2.1.7 | Extra over - finishing to falls | m2 | 190 | 33.93 | 6,446.21 | |
| | 3.3.2.1.8 | Curing | m2 | 190 | 11.91 | 2,262.70 | |
| | 3.3.2.1.9 | Formwork to kerb/upstand 200mm high | m | 318 | 233.58 | 74,278.20 | |
| | 3.3.2.1.10 | Supply & place S40 concrete to kerb 200 X 400 | m3 | 13 | 644.79 | 8,382.29 | |
| | 3.3.2.1.11 | 250mm wide Supercast Rearguard waterstop | m | 222 | 140.00 | 31,080.00 | |
| | 3.3.2.1.12 | Allowance for resin injection to cracks | m2 | 190 | 11.91 | 2,262.70 | |
| 6 | 3.3.2.2 | Walls | m2 | 925 | 1,294.01 | 1,196,963.32 | |
| | 3.3.2.2.1 | Scaffold stretcher stairs 7.0m rise erection | No. | 6 | 3,355.00 | 20,130.00 | |
| | 3.3.2.2.2 | Scaffold stretcher stairs 7.0m rise hire | Week | 72.00 | 40.00 | 2,880.00 | |
| | 3.3.2.2.3 | Scaffold stretcher stairs 7.0m rise removal | No. | 6 | 1,600.00 | 9,600.00 | |
| | 3.3.2.2.4 | Formwork to walls, class 2, >4.0m high | m2 | 388 | 363.63 | 141,088.60 | |
| | 3.3.2.2.5 | Formwork to walls, class 3, >4.0m high | m2 | 1,462 | 302.50 | 442,248.84 | |
| | 3.3.2.2.6 | Supply & fix reinforcing to walls | t | 65.34 | 4,364.22 | 285,158.28 | 220kg/m3 |
| | 3.3.2.2.7 | Form penetration 300mm wide to under-weir | m | 91 | 151.25 | 13,763.56 | |
| | 3.3.2.2.8 | Form penetration 400mm wide to penstock | m | 17 | 181.50 | 3,085.46 | |
| | 3.3.2.2.9 | Supply, place & finish S40 concrete to walls | m3 | 297 | 554.83 | 164,783.95 | 400mm thick external, 300mm thick internal |
| | 3.3.2.2.10 | Curing | m2 | 1,850 | 11.91 | 22,031.52 | |
| | 3.3.2.2.11 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 925 | 87.76 | 81,177.35 | |
| | 3.3.2.2.12 | Allowance for resin injection to cracks | m2 | 925 | 11.91 | 11,015.76 | |
| 6 | 3.3.2.3 | Launer | m3 | 21 | 5,107.73 | 107,262.38 | |
| | 3.3.2.3.1 | Formwork to suspended slab | m2 | 31.69 | 482.37 | 15,286.26 | |
| | 3.3.2.3.2 | Formwork to walls, class 2 | m2 | 62 | 363.63 | 22,545.09 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|--------------------|---|-------------|--------------|-------------------|--------------------------|-----------------------------|
| | 3.3.2.3.3 | Formwork to walls, class 3 | m2 | 59 | 302.50 | 17,847.25 | |
| | 3.3.2.3.4 | Supply & fix reinforcing to walls | t | 4.58 | 4,364.22 | 19,988.14 | 220kg/m3 |
| | 3.3.2.3.5 | Reid bar connection detail at wall/laundry interface | m | 31 | 250.00 | 7,750.00 | |
| | 3.3.2.3.6 | Supply, place & finish S40 concrete to floor & walls | m3 | 21 | 497.98 | 10,457.54 | 300mm thick |
| | 3.3.2.3.7 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 94 | 87.76 | 8,249.37 | |
| | 3.3.2.3.8 | Acid etch to slab finish | m2 | 32 | 9.08 | 290.67 | |
| | 3.3.2.3.9 | Grout Sika Monotop [ASSUMED] average 50mm deep | m2 | 32 | 19.21 | 614.69 | |
| | 3.3.2.3.10 | Cast-in DICL puddle flange | No. | 1 | 3,113.93 | 3,113.93 | |
| | 3.3.2.3.11 | Allowance for resin injection to cracks | m2 | 94 | 11.91 | 1,119.44 | |
| 6 | 3.3.2.4 | Access stairs & platforms | Item | 1 | 236,119.12 | 236,119.12 | |
| 7 | 3.3.2.4.1 | Access Stairs | MR | 11.60 | 6,044.54 | 70,116.71 | |
| | 3.3.2.4.1.1 | Pad footings complete | m3 | 4 | 1,800.00 | 7,200.00 | |
| | 3.3.2.4.1.2 | Allowance for structural steel 15-40KG/M, shop drafting, supply, fabricate, surface protection, install | t | 1.70 | 13,873.35 | 23,584.69 | Support structure to stairs |
| | 3.3.2.4.1.3 | Galvanized steel stair stingers & treads | MR | 11.60 | 1,665.92 | 19,324.73 | |
| | 3.3.2.4.1.4 | Webforge A325MPG mesh grating, HDG, fixed to steel trimmers | m2 | 8 | 450.00 | 3,600.00 | Landings |
| | 3.3.2.4.1.5 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 45 | 364.61 | 16,407.29 | |
| 7 | 3.3.2.4.2 | Platforms | m2 | 189 | 878.32 | 166,002.41 | |
| | 3.3.2.4.2.1 | Allowance for structural steel 15-40KG/M, shop drafting, supply, fabricate, surface protection, install | t | 4.73 | 13,873.35 | 65,620.94 | 25kg/m2 |
| | 3.3.2.4.2.2 | Webforge A325MPG mesh grating, HDG, fixed to steel trimmers | m2 | 189.04 | 450.00 | 85,068.00 | Landings |
| | 3.3.2.4.2.3 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 42 | 364.61 | 15,313.47 | |
| 5 | 3.3.3 | Mechanical & Process | Item | 1 | 763,223.39 | 763,223.39 | |
| 6 | 3.3.3.1 | Equipment | Item | 1 | 93,861.19 | 93,861.19 | |
| | 3.3.3.1.1 | Floc mixer, Series 1000, Mixtec | No. | 12 | 4,277.00 | 51,324.00 | |
| | 3.3.3.1.2 | Mixer install | No. | 12 | 2,109.16 | 25,309.87 | |
| | 3.3.3.1.3 | pH analyser panel (coagulation) | No. | 1 | 15,540.00 | 15,540.00 | |
| | 3.3.3.1.4 | Ph analyser panel - install | No. | 1 | 1,687.32 | 1,687.32 | |
| 6 | 3.3.3.2 | Pipework | Item | 1 | 386,135.86 | 386,135.86 | |
| 7 | 3.3.3.2.1 | DAF Components 37 | | | | | |
| 8 | 3.3.3.2.1.1 | Stainless Steel Sched.10 | | | | | |
| | 3.3.3.2.1.1.1 | Pipework supply & fabricate DN150 SS136 S10 | m | 10 | 513.29 | 5,132.89 | |
| | 3.3.3.2.1.1.2 | DN150 SCH 10 SS Pipe & Fittings above-ground Installation | m | 10 | 322.97 | 3,229.72 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|--------------------|---|-------------|----------|---------------------|--------------------------|--|
| | 3.3.3.2.1.1.3 | Pipework supply DN350 SS136 S10 supply & fabricate | m | 84 | 1,722.79 | 144,714.13 | |
| | 3.3.3.2.1.1.4 | DN350 SCH 10 SS pipe & fittings above ground installation | m | 84 | 895.31 | 75,206.12 | |
| 8 | 3.3.3.2.1.2 | DICL | | | | | |
| | 3.3.3.2.1.2.1 | Supply DICL DN900 PN35 SO-SP standard lengths, inc. pipe sleeve & freight | m | 50 | 800.00 | 40,000.00 | |
| | 3.3.3.2.1.2.2 | Supply DICL DN900 PN35 bend 45 degress | No. | 3 | 9,000.00 | 27,000.00 | Assumed |
| | 3.3.3.2.1.2.3 | Supply DICL DN900 PN35 bend 22.5 degress | No. | 3 | 8,800.00 | 26,400.00 | Assumed |
| | 3.3.3.2.1.2.4 | Supply DICL reducer DN900 - DN750 | No. | 1 | 9,500.00 | 9,500.00 | Assumed |
| | 3.3.3.2.1.2.5 | Pipework install below gnd DN900 | m | 40 | 781.31 | 31,252.44 | 15m/day production |
| | 3.3.3.2.1.2.6 | DN900 Pipe & Fittings above-ground installation | m | 10 | 2,370.06 | 23,700.56 | |
| 6 | 3.3.3.3 | Valves | Item | 1 | 283,226.34 | 283,226.34 | |
| 8 | 3.3.3.3.1 | BALL VALVES | | | | | |
| | 3.3.3.3.1.1 | Ball valve, DN25, SS316, sched. 10 supply | No. | 4 | 110.00 | 440.00 | |
| | 3.3.3.3.1.2 | Ball valve, DN50, SS316, sched. 10 supply | No. | 1 | 313.00 | 313.00 | |
| 8 | 3.3.3.3.2 | GATE VALVES | | | | | |
| | 3.3.3.3.2.1 | GATE VALVE, DN150, SS316, Sched. 10, Reece Dura Seat Material 316SS | No. | 2 | 674.41 | 1,348.82 | |
| | 3.3.3.3.2.2 | GATE VALVE, DN750, DICL, AVK S55/80 Seat Material 316SS | No. | 4 | 58,595.00 | 234,380.00 | |
| 8 | 3.3.3.3.3 | BUTTERFLY VALVES | | | | | |
| | 3.3.3.3.3.1 | Butterfly Valve, DN400, SS316, Sched. 10, Seat Material, Ductile iron body, 316SSST disc, 431SST shaft, Vulcanised EPDM seat. | No. | 1 | 6,375.74 | 6,375.74 | |
| 8 | 3.3.3.3.4 | Valves Install | | | | | |
| | 3.3.3.3.4.1 | DN25 Valve Installation | /ea | 4 | 192.63 | 770.53 | |
| | 3.3.3.3.4.2 | DN50 Valve Installation | /ea | 1 | 276.91 | 276.91 | |
| | 3.3.3.3.4.3 | DN150 Valve Installation | /ea | 2 | 650.13 | 1,300.27 | |
| | 3.3.3.3.4.4 | DN400 Valve Installation | /ea | 1 | 2,141.60 | 2,141.60 | |
| | 3.3.3.3.4.5 | DN750 Valve Installation | /ea | 4 | 3,923.77 | 15,695.08 | |
| | 3.3.3.3.4.6 | DN25 Valve Installation | /ea | 4 | 192.63 | 770.53 | |
| | 3.3.3.3.4.7 | DN50 Valve Installation | /ea | 1 | 276.91 | 276.91 | |
| | 3.3.3.3.4.8 | DN150 Valve Installation | /ea | 2 | 650.13 | 1,300.27 | |
| | 3.3.3.3.4.9 | DN400 Valve Installation | /ea | 1 | 2,141.60 | 2,141.60 | |
| | 3.3.3.3.4.10 | DN750 Valve Installation | /ea | 4 | 3,923.77 | 15,695.08 | |
| 4 | 3.4 | DAFF Tanks (002) | Item | 1 | 6,061,787.17 | 6,061,787.17 | |
| 5 | 3.4.1 | Civils | Item | 1 | 40,971.34 | 40,971.34 | |
| 6 | 3.4.1.1 | Foundations | Item | 1 | 33,661.30 | 33,661.30 | |
| | 3.4.1.1.1 | Allowance for foundations | m2 | 245 | 137.39 | 33,661.30 | Allowance for bored piers 600mm dia. 2.0m long, 1 per 11m2 |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|------------|---|--------|-------|--------------|--------------------------|---|
| 6 | 3.4.1.2 | Detailed excavation | Item | 1 | 7,310.04 | 7,310.04 | |
| | 3.4.1.2.1 | Detailed excavation | m3 | 47 | 67.19 | 3,158.13 | 800 x 800 eadge beam and under internal walls |
| | 3.4.1.2.2 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 99 | 5.81 | 575.64 | |
| | 3.4.1.2.3 | Trim & compact subgrade | m2 | 245 | 14.60 | 3,576.27 | |
| 5 | 3.4.2 | Structural | Item | 1 | 2,367,944.83 | 2,367,944.83 | |
| 6 | 3.4.2.1 | Slab on ground | m3 | 136 | 3,084.01 | 419,424.92 | |
| | 3.4.2.1.1 | Blinding | m2 | 245 | 42.86 | 10,499.84 | |
| | 3.4.2.1.2 | Foretcon membrane | m2 | 319 | 5.64 | 1,800.62 | |
| | 3.4.2.1.3 | Edge form 800mm high | m | 74 | 183.09 | 13,548.75 | |
| | 3.4.2.1.4 | Supply & fix Reinforcing | Tonnes | 45 | 4,364.22 | 196,390.00 | 220 kg/m3 |
| | 3.4.2.1.5 | Cast-in pressure releif valves, 40mm ID | No. | 12 | 1,539.27 | 18,471.29 | 2 per tank |
| | 3.4.2.1.6 | Supply & place S40 concrete to slab on ground | m3 | 136 | 644.79 | 87,691.68 | edge & int. beams 800x800, slab 400mm thick |
| | 3.4.2.1.7 | Extra over - finishing to falls | m2 | 216 | 33.93 | 7,328.32 | |
| | 3.4.2.1.8 | Curing | m2 | 245 | 11.91 | 2,917.69 | |
| | 3.4.2.1.9 | Formwork to kerb/upstand 200mm high | m | 235 | 233.58 | 54,891.12 | |
| | 3.4.2.1.10 | Supply & place S40 concrete to kerb 200 X 400 | m3 | 10 | 644.79 | 6,447.92 | |
| | 3.4.2.1.11 | 250mm wide Supercast Rearguard waterstop | m | 118 | 140.00 | 16,520.00 | |
| | 3.4.2.1.12 | Allowance for resin injection to cracks | m2 | 245 | 11.91 | 2,917.69 | |
| 6 | 3.4.2.2 | Walls | m2 | 657 | 1,689.03 | 1,109,689.44 | |
| | 3.4.2.2.1 | Scaffold stretcher stairs 7.0m rise erection | No. | 6 | 3,355.00 | 20,130.00 | |
| | 3.4.2.2.2 | Scaffold stretcher stairs 7.0m rise hire | Week | 72.00 | 40.00 | 2,880.00 | |
| | 3.4.2.2.3 | Scaffold stretcher stairs 7.0m rise removal | No. | 6 | 1,600.00 | 9,600.00 | |
| | 3.4.2.2.4 | Formwork to walls, class 2, >4.0m high | m2 | 255 | 363.63 | 92,725.76 | |
| | 3.4.2.2.5 | Formwork to walls, class 3, >4.0m high | m2 | 1,059 | 302.50 | 320,343.04 | |
| | 3.4.2.2.6 | Supply & fix reinforcing to walls | t | 44.22 | 4,364.22 | 192,985.90 | 220kg/m3 |
| | 3.4.2.2.7 | Penetration at launder | No. | 48 | 1,321.32 | 63,423.38 | |
| | 3.4.2.2.8 | Cast-in puddle flange | No. | 48 | 3,113.93 | 149,468.54 | |
| | 3.4.2.2.9 | Supply, place & finish S40 concrete to walls | m3 | 201 | 554.83 | 111,520.45 | 400mm thick external. 300mm thick internal |
| | 3.4.2.2.10 | Curing | m2 | 1,314 | 11.91 | 15,648.33 | |
| | 3.4.2.2.11 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 1,314 | 87.76 | 115,315.71 | |
| | 3.4.2.2.12 | Allowance for resin injection to cracks | m2 | 1,314 | 11.91 | 15,648.33 | |
| 6 | 3.4.2.3 | Launders | m3 | 1 | 229,490.59 | 229,490.59 | |
| | 3.4.2.3.1 | Formwork to suspended slab | m2 | 81 | 482.37 | 39,071.87 | |
| | 3.4.2.3.2 | Formwork to walls, class 3 | m2 | 221 | 302.50 | 66,851.57 | |
| | 3.4.2.3.3 | Supply & fix reinforcing to walls | t | 11 | 4,364.22 | 48,006.44 | 220kg/m3 |
| | 3.4.2.3.4 | Reid bar connection detail at wall/laundry interface | m | 101 | 250.00 | 25,250.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|------------------|--|-------------|--------------|-------------------|--------------------------|---|
| | 3.4.2.3.5 | Supply, place & finish S40 concrete to floor & walls | m3 | 58 | 497.98 | 28,882.73 | 300mm thick |
| | 3.4.2.3.6 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 192 | 87.76 | 16,849.78 | |
| | 3.4.2.3.7 | Acid etch to slab finish | m2 | 81 | 9.08 | 735.75 | |
| | 3.4.2.3.8 | Grout Sika Monotop [ASSUMED] average 50mm deep | m2 | 81 | 19.21 | 1,555.94 | |
| | 3.4.2.3.9 | Allowance for resin injection to cracks | m2 | 192 | 11.91 | 2,286.51 | |
| 6 | 3.4.2.4 | Roof and Wall Structure | Item | 1 | 187,845.57 | 187,845.57 | |
| | 3.4.2.4.1 | Structural steel wall and roof framing comprising; - HD bolts, - steel columns & rafters, - bracing, - stiffeners, cleats, base plates and connections | t | 11.01 | 13,873.35 | 152,745.57 | Allowance for 45kg/m2 for steel structure |
| | 3.4.2.4.2 | Roof purlins at 1200mm centres inc. tie rods, bridging, bolting etc. | m2 | 294 | 65.00 | 19,110.00 | |
| | 3.4.2.4.3 | Wall girts at 1200mm centres inc. tie rods, bridging, bolting etc. | m2 | 246 | 65.00 | 15,990.00 | |
| 6 | 3.4.2.5 | Roof and Wall Cladding | Item | 1 | 114,576.00 | 114,576.00 | |
| | 3.4.2.5.1 | Metal roof cladding inc. safety mesh, sarking & insulation, ridge capping, barge capping | m2 | 294 | 140.00 | 41,160.00 | |
| | 3.4.2.5.2 | Metal wall cladding including corner flashing, trims to openings | m2 | 246 | 106.00 | 26,076.00 | |
| | 3.4.2.5.3 | Awning, colourbond inc. HDG frame over single doors | No. | 3 | 2,500.00 | 7,500.00 | |
| | 3.4.2.5.4 | Colourbond gutter 200mm dia. | m | 56 | 200.00 | 11,200.00 | |
| | 3.4.2.5.5 | Sump outlet | No. | 4 | 650.00 | 2,600.00 | |
| | 3.4.2.5.6 | 250mm dia. uPVC downpipe | m | 42 | 160.00 | 6,720.00 | |
| | 3.4.2.5.7 | Permanent roof safety anchors | No. | 8 | 390.00 | 3,120.00 | |
| | 3.4.2.5.8 | Ladder bracket | No. | 2 | 600.00 | 1,200.00 | |
| | 3.4.2.5.9 | Roof ventilators | No. | 6 | 2,500.00 | 15,000.00 | |
| 6 | 3.4.2.6 | Windows and Doors | Item | 1 | 51,100.00 | 51,100.00 | |
| | 3.4.2.6.1 | Extra over, clear polycarbonate cladding fixed to girts | m2 | 40 | 90.00 | 3,600.00 | |
| | 3.4.2.6.2 | Louvre, single stage colourbond with bird mesh fixed to girts including flashing, 2.5 x 1.5 | No. | 2 | 11,000.00 | 22,000.00 | |
| | 3.4.2.6.3 | Single door - solid core door including sheet metal cladding, frame & hardware | No. | 3 | 4,500.00 | 13,500.00 | |
| | 3.4.2.6.4 | Double door 2.0m wide x 3.70m high, solid core, metal clad inc. frame & hardware | No. | 1 | 12,000.00 | 12,000.00 | |
| 6 | 3.4.2.7 | Access stairs & platforms | Item | 1 | 255,818.31 | 255,818.31 | |
| 7 | 3.4.2.7.1 | Access Stairs | MR | 11.60 | 5,254.07 | 60,947.21 | |
| | 3.4.2.7.1.1 | Pad footings complete | m3 | 3 | 1,800.00 | 5,400.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|------------------|---|-------------|------------|---------------------|--------------------------|--|
| | 3.4.2.7.1.2 | Allowance for structural steel 15-40KG/M, shop drafting, supply, fabricate, surface protection, install | t | 1.83 | 13,873.35 | 25,388.23 | Support structure to stairs and cantilevered walkway |
| | 3.4.2.7.1.3 | Galvanized steel stair stingers & treads | MR | 5.80 | 1,665.92 | 9,662.36 | |
| | 3.4.2.7.1.4 | Webforge A325MPG mesh grating, HDG, fixed to steel trimmers | m2 | 18 | 450.00 | 8,100.00 | Landings & cantilevered walkway |
| | 3.4.2.7.1.5 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 34 | 364.61 | 12,396.62 | Landings & cantilevered walkway |
| 7 | 3.4.2.7.2 | Platforms | m2 | 132 | 1,476.30 | 194,871.10 | |
| | 3.4.2.7.2.1 | Structural Steel <15kg/m, Shop Detail/Supply/Fab/Deliver erect | t | 2.64 | 21,483.37 | 56,716.09 | 20kg/m2 |
| | 3.4.2.7.2.2 | Webforge A325MPG mesh grating, HDG, fixed to steel trimmers | m2 | 132 | 450.00 | 59,400.00 | |
| | 3.4.2.7.2.3 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 216 | 364.61 | 78,755.01 | |
| 5 | 3.4.3 | Mechanical & Process | Item | 1 | 3,652,871.00 | 3,652,871.00 | |
| 6 | 3.4.3.1 | Equipment | Item | 1 | 1,760,261.61 | 1,760,261.61 | |
| 7 | 3.4.3.1.1 | 37 DAF Components | | | | | |
| | 3.4.3.1.1.1 | Recycle pump, Lowarra-Xylem | No. | 6 | 37,668.00 | 226,008.00 | |
| | 3.4.3.1.1.2 | Pump install, medium | No. | 6 | 10,545.78 | 63,274.69 | |
| | 3.4.3.1.1.3 | Gantry crane with 5.1m span and 30m travelling beams, capacity assumed 5t, fixed to columns | No. | 1 | 150,000.00 | 150,000.00 | |
| | 3.4.3.1.1.4 | Monorail crane inc. 8.3m travelling beam, capacity assumed 5t, fixed to roof structure | No. | 1 | 25,000.00 | 25,000.00 | |
| 7 | 3.4.3.1.2 | 41 DAF On Filter | | | | | |
| | 3.4.3.1.2.1 | Turbidity Analyser panel | No. | 6 | 9,300.00 | 55,800.00 | |
| | 3.4.3.1.2.2 | Analyser panel - install | No. | 6 | 1,687.32 | 10,123.95 | |
| | 3.4.3.1.2.3 | Saturator | No. | 3 | 102,000.00 | 306,000.00 | |
| | 3.4.3.1.2.4 | Saturator install | No. | 3 | 33,746.50 | 101,239.50 | |
| | 3.4.3.1.2.5 | Scum harvester | No. | 6 | 77,000.00 | 462,000.00 | |
| | 3.4.3.1.2.6 | Scum harvester install | No. | 6 | 25,309.87 | 151,859.24 | |
| | 3.4.3.1.2.7 | Combined filtered water turbidity analyser panel | No. | 1 | 59,958.00 | 59,958.00 | |
| | 3.4.3.1.2.8 | Analyser panel - install | No. | 1 | 1,687.32 | 1,687.32 | |
| | 3.4.3.1.2.9 | Silencer DN25 SS316 Sched. 10, 1" conical sintered SS (Process Systems) | No. | 6 | 99.00 | 594.00 | |
| | 3.4.3.1.2.10 | Penstock 1m wide, motorised, electric actuator, Rotork, AWE | No. | 6 | 21,500.00 | 129,000.00 | |
| | 3.4.3.1.2.11 | Penstock 1m wide, motorised - install | No. | 6 | 2,952.82 | 17,716.91 | |
| 6 | 3.4.3.2 | Pipework | Item | 1 | 1,657,031.50 | 1,657,031.50 | |
| 8 | 3.4.3.2.1 | DICL | | | | | |
| | 3.4.3.2.1.1 | DN500 DICL pipe & fittings above ground supply & installation | m | 39 | 2,341.92 | 91,334.89 | |
| | 3.4.3.2.1.2 | DICL pipework DN500 below ground, supply & install | m | 26 | 1,496.71 | 38,914.47 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|---|----------------|---|-------------|----------|------------------|--------------------------|--------------------|
| | 3.4.3.2.1.3 | Supply DICL DN750 PN35 SO-SP standard lengths, inc. pipe sleeve & freight | m | 515 | 622.02 | 320,340.30 | |
| | 3.4.3.2.1.4 | Supply DICL DN750 PN35 bend 12.5 degress | No. | 10 | 4,874.00 | 48,740.00 | |
| | 3.4.3.2.1.5 | Supply DICL DN750 PN35 bend 22.5 degress | No. | 10 | 5,214.00 | 52,140.00 | |
| | 3.4.3.2.1.6 | Pipework install below gnd DN750 | m | 427 | 573.13 | 244,725.50 | |
| | 3.4.3.2.1.7 | DN750 SCH 10 SS Pipe & Fittings above-ground Instaliation | m | 89 | 1,762.43 | 156,856.61 | |
| | 3.4.3.2.1.8 | Supply DICL DN900 PN35 SO-SP standard lengths, inc. pipe sleeve & freight | m | 20 | 800.00 | 16,000.00 | |
| | 3.4.3.2.1.9 | Supply DICL DN900 PN35 bend 45 degress | No. | 4 | 9,000.00 | 36,000.00 | Assumed |
| | 3.4.3.2.1.10 | Supply DICL DN900 PN35 bend 22.5 degress | No. | 4 | 8,800.00 | 35,200.00 | Assumed |
| | 3.4.3.2.1.11 | Supply DICL reducer DN900 - DN750 | No. | 1 | 9,500.00 | 9,500.00 | Assumed |
| | 3.4.3.2.1.12 | Pipework install below gnd DN900 | m | 18 | 781.31 | 14,063.60 | 15m/day production |
| | 3.4.3.2.1.13 | DN900 Pipe & Fittings above-ground installation | m | 2 | 2,370.06 | 4,740.11 | |
| 8 3.4.3.2.2 PVC | | | | | | | |
| | 3.4.3.2.2.1 | PVC pipework DN100 Sched. 80 BELOW ground, supply & install | m | 2 | 242.94 | 485.88 | |
| | 3.4.3.2.2.2 | PVC pipework DN150 Sched. 80 BELOW ground, supply & install | m | 185 | 495.25 | 91,620.63 | |
| | 3.4.3.2.2.3 | PVC pipework DN300 Sched. 80 BELOW ground, supply & install | m | 25 | 616.25 | 15,406.25 | |
| 8 3.4.3.2.3 Stainless Steel Sched.10 | | | | | | | |
| | 3.4.3.2.3.1 | Pipework supply & fabricate DN150 SS136 S10 | m | 276 | 513.29 | 141,667.86 | |
| | 3.4.3.2.3.2 | DN150 SCH 10 SS Pipe & Fittings above-ground Installation | m | 276 | 322.97 | 89,140.29 | |
| | 3.4.3.2.3.3 | Pipework supply & fabricate DN300 SS136 S10 | m | 70 | 1,013.36 | 70,934.95 | |
| | 3.4.3.2.3.4 | DN300 SCH 10 SS Pipe & Fittings above-ground installation | m | 70 | 782.86 | 54,800.46 | |
| | 3.4.3.2.3.5 | Pipework supply & fabricate DN500 SS136 S10 | m | 35 | 1,661.82 | 58,163.72 | |
| | 3.4.3.2.3.6 | DN350 SCH 10 SS Pipe & Fittings above-ground installation | m | 35 | 782.86 | 27,400.23 | |
| | 3.4.3.2.3.7 | Pipework supply DN750 SS136 S10 | m | 10 | 2,123.14 | 21,231.41 | |
| | 3.4.3.2.3.8 | DN750 SCH 10 SS Pipe & Fittings above-ground Instaliation | m | 10 | 1,762.43 | 17,624.34 | |
| 6 | 3.4.3.3 | Valves | Item | 1 | 79,446.94 | 79,446.94 | |
| 8 3.4.3.3.1 RPZD | | | | | | | |
| | 3.4.3.3.1.1 | BACKFLOW PREVENTER-RPZD, DN80, SS316, Sched. 10, Seat Material 316SS | No. | 1 | 4,138.31 | 4,138.31 | |
| 8 3.4.3.3.2 BALL VALVES | | | | | | | |
| | 3.4.3.3.2.1 | Ball valve, DN25, SS316, sched. 10 supply | No. | 44 | 110.00 | 4,840.00 | |
| | 3.4.3.3.2.2 | Ball valve, DN50, SS316, sched. 10 supply | No. | 4 | 313.00 | 1,252.00 | |
| | 3.4.3.3.2.3 | BALL VALVE, DN80, PVCS80, GF 546 Pro Seat Material, PVC/ FKM | No. | 3 | 653.00 | 1,959.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|--|-------------|---|------|-----|-----------|--------------------------|---------|
| 8 3.4.3.3 BUTTERFLY VALVES | | | | | | | |
| | 3.4.3.3.1 | Butterfly Valve, DN150, SS316, Sched. 10, Seat Material, Ductile iron body, 316SST disc, 431SST shaft, Vulcanised EPDM seat. | No. | 10 | 469.00 | 4,690.00 | |
| | 3.4.3.3.2 | Butterfly Valve, DN300, SS316, Sched. 10, Bray Series 3L Seat Material, Ductile iron body, 316SST disc, 431SST shaft, Vulcanised EPDM seat. | No. | 2 | 2,210.00 | 4,420.00 | |
| 8 3.4.3.4 CHECK VALVES | | | | | | | |
| | 3.4.3.3.4.1 | Check valve, DN50, SS316, sched. 10 supply | No. | 2 | 759.00 | 1,518.00 | |
| | 3.4.3.3.4.2 | CHECK VALVE, DN150, SS316, Sched. 10, Bray Bray/Rite Seat Material 316SS | No. | 5 | 1,198.00 | 5,990.00 | |
| | 3.4.3.3.4.3 | CHECK VALVE, DN300, SS316, Sched. 10, Seat Material 316SS | No. | 1 | 6,742.61 | 6,742.61 | |
| 8 3.4.3.5 CONTINUOUS VENTING VALVE | | | | | | | |
| | 3.4.3.3.5.1 | CONTINUOUS VENTING VALVE, DN25, SS316, Sched. 10, Bermad C30-050 IP Seat Material, Threaded BSP Composite 16 Bar rated Air Out Only | No. | 1 | 739.00 | 739.00 | |
| 8 3.4.3.6 PRESSURE REGULATING VALVE | | | | | | | |
| | 3.4.3.3.6.1 | PRESSURE REGULATING VALVE, DN80, PVCS80, GF Type 586 Seat Material, PVC / FKM | No. | 1 | 3,197.00 | 3,197.00 | |
| 8 3.4.3.7 PRESSURE RELIEF VALVE | | | | | | | |
| | 3.4.3.3.7.1 | PRESSURE RELIEF VALVE, DN25, SS316, Sched. 10, SMC AR60K-10-D with GC3-10AS-D 1MPa gauge Seat Material 316SS | No. | 2 | 275.00 | 550.00 | |
| 8 3.4.3.8 TEMPERATURE RELIEF VALVE | | | | | | | |
| | 3.4.3.3.8.1 | TEMPERATURE RELIEF VALVE, DN25, PVCS80, Pratt SEASV Seat Material, Relieves at 35degC, closes at 29degC | No. | 15 | 677.00 | 10,155.00 | |
| 8 3.4.3.9 VALVE INSTALL | | | | | | | |
| | 3.4.3.3.9.1 | DN25 Valve Installation | /ea | 62 | 192.63 | 11,943.20 | |
| | 3.4.3.3.9.2 | DN50 Valve Installation | /ea | 6 | 276.91 | 1,661.45 | |
| | 3.4.3.3.9.3 | DN80 Valve Installation | /ea | 5 | 385.26 | 1,926.32 | |
| | 3.4.3.3.9.4 | DN150 Valve Installation | /ea | 15 | 650.13 | 9,752.01 | |
| | 3.4.3.3.9.5 | DN300 Valve Installation | /ea | 3 | 1,324.35 | 3,973.04 | |
| 6 3.4.3.4 Instrumentation | | | | | | | |
| | 3.4.3.4.1 | Flow meter, Promag W400, DN150, supply | No. | 6 | 6,462.57 | 38,775.42 | |
| | 3.4.3.4.2 | Electro mag-flow meter install, DN150 & below | No. | 6 | 2,006.59 | 12,039.52 | |
| | 3.4.3.4.3 | Flow meter, Promag W400, DN300, supply | No. | 1 | 9,968.59 | 9,968.59 | |
| | 3.4.3.4.4 | Electro mag-flow meter install, DN300 & below | No. | 1 | 2,528.30 | 2,528.30 | |
| | 3.4.3.4.5 | Flow meter, Promag W400, DN400, supply | No. | 7 | 10,470.72 | 73,295.04 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|----------------|--|-------------|------------|---------------------|--------------------------|--|
| | 3.4.3.4.6 | Electro mag-flow meter install, DN400 & below | No. | 7 | 2,789.15 | 19,524.08 | |
| 4 | 3.5 | Electrical Switchroom 1 (003) | Item | 1 | 2,031,183.08 | 2,031,183.08 | |
| 6 | 3.5.1 | Civil | Item | 1 | 17,173.42 | 17,173.42 | |
| 7 | 3.5.1.1 | Foundations | Item | 1 | 13,189.74 | 13,189.74 | |
| | 3.5.1.1.1 | Allowance for foundations | m2 | 96 | 137.39 | 13,189.74 | Allowance for bored piers 600mm dia. 2.0m long, 1 per 11m2 |
| 7 | 3.5.1.2 | Detailed excavation | Item | 1 | 3,983.68 | 3,983.68 | |
| | 3.5.1.2.1 | Excavation to setdown | m3 | 56 | 14.05 | 786.91 | |
| | 3.5.1.2.2 | Detailed excavation | m3 | 14 | 67.19 | 940.72 | 800 x 800 edge & internal beam |
| | 3.5.1.2.3 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 147 | 5.81 | 854.74 | |
| | 3.5.1.2.4 | Trim & compact subgrade | m2 | 96 | 14.60 | 1,401.31 | |
| 6 | 3.5.2 | Structural / Building | m2 | 96 | 3,320.54 | 318,772.20 | |
| 7 | 3.5.2.1 | Slab on ground | m3 | 38 | 1,900.42 | 72,215.91 | |
| | 3.5.2.1.1 | Blinding | m2 | 96 | 42.86 | 4,114.22 | |
| | 3.5.2.1.2 | Edge form - 700mm | m | 44 | 183.09 | 8,056.01 | |
| | 3.5.2.1.3 | Membrane | m2 | 135 | 5.64 | 762.02 | |
| | 3.5.2.1.4 | Supply & fix Reinforcing | Tonnes | 5.32 | 4,364.22 | 23,217.66 | 140 kg/m3 |
| | 3.5.2.1.5 | Earthing connection and welding of reinforcing | No. | 2 | 642.65 | 1,285.29 | |
| | 3.5.2.1.6 | Supply & place N40 concrete to slab on ground 450mm thick | m3 | 38 | 556.96 | 21,164.57 | 700x300 edge & internal beams, 250 slab |
| | 3.5.2.1.7 | Saw cut joints in pavement slab 30 x 6mm saw cut, sealant & backing rod | m | 24 | 27.09 | 650.10 | Inc. sikflex seal to joint |
| | 3.5.2.1.8 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 96 | 87.76 | 8,424.89 | |
| | 3.5.2.1.9 | Curing | m2 | 96 | 11.91 | 1,143.26 | |
| | 3.5.2.1.10 | Footpath 1.20m wide, 75mm thick, 1 layer SL72 mesh on 50mm sand basecourse | m2 | 26.40 | 128.71 | 3,397.89 | |
| 7 | 3.5.2.2 | Upstand walls | m2 | 25 | 1,463.61 | 36,590.29 | |
| | 3.5.2.2.1 | Wall form - CL3 | m2 | 48.72 | 302.50 | 14,737.59 | 600mm high |
| | 3.5.2.2.2 | Formwork to blockout circumference <2.0m | No. | 4 | 1,774.61 | 7,098.43 | |
| | 3.5.2.2.3 | Formwork rebate to top of wall 150 x 90 | m | 40 | 82.37 | 3,294.85 | |
| | 3.5.2.2.4 | Supply & fix Reinforcing | Tonnes | 1.12 | 4,364.22 | 4,887.93 | 140 kg/m3 |
| | 3.5.2.2.5 | Supply, place & finish s40 concrete to walls | m3 | 8 | 748.49 | 5,987.95 | 300mm thick |
| | 3.5.2.2.6 | Curing | m2 | 49 | 11.91 | 583.54 | |
| 7 | 3.5.2.3 | Walls & Doors | m2 | 152 | 434.95 | 66,112.00 | |
| | 3.5.2.3.1 | Corefilled and reinforced blockwork, 200 series including door openings | m2 | 152 | 300.00 | 45,600.00 | |
| | 3.5.2.3.2 | Paint finish to blockwork | m2 | 304 | 28.00 | 8,512.00 | |
| | 3.5.2.3.3 | Single door - 3hr fire rated, frame & hardware, paint finish | No. | 1 | 5,000.00 | 5,000.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|----------------|--|-------------|-----------|---------------------|--------------------------|--|
| | 3.5.2.3.4 | Double door - 3hr fire rated, frame & hardware, paint finish | No. | 1 | 7,000.00 | 7,000.00 | |
| 7 | 3.5.2.4 | Roof Structure & cladding | | | | | |
| | 3.5.2.4.1 | Colourbond roof sheeting fixed to and including steel trussed framing structure incl. 1 layer insulation | m2 | 167 | 350.00 | 58,450.00 | |
| | 3.5.2.4.2 | Eaves lining, FC sheeting + paint | m2 | 62 | 160.00 | 9,920.00 | |
| | 3.5.2.4.3 | Awning, colourbond inc. HDG frame over single doors | No. | 1 | 2,500.00 | 2,500.00 | |
| | 3.5.2.4.4 | Awning, colourbond inc. HDG frame over double doors | No. | 1 | 3,224.00 | 3,224.00 | |
| | 3.5.2.4.5 | 150mm dia. uPVC downpipe | m | 16 | 120.00 | 1,920.00 | |
| | 3.5.2.4.6 | Colourbond gutter 150mm dia. | m | 22 | 160.00 | 3,520.00 | |
| 7 | 3.5.2.5 | Fitout | m2 | 65 | 989.54 | 64,320.00 | |
| | 3.5.2.5.1 | Allowance for 2hr rated ceiling complete | m2 | 96 | 320.00 | 30,720.00 | |
| | 3.5.2.5.2 | Raised access floor | m2 | 96 | 350.00 | 33,600.00 | |
| 6 | 3.5.3 | Electrical | Item | 1 | 1,675,237.46 | 1,675,237.46 | |
| | 3.5.3.1 | Lightening Protection | Ea | 1 | 2,873.00 | 2,873.00 | |
| | 3.5.3.2 | Supply & Install Incomer SWBD | Ea | 1 | 13,484.00 | 13,484.00 | |
| | 3.5.3.3 | Supply & Install MCC 01001 | Ea | 1 | 591,235.00 | 591,235.00 | Reduced price on MCC due to reduced size of MCC. |
| | 3.5.3.4 | Supply & Install PLC Panel 1001 | Ea | 1 | 250,000.00 | 250,000.00 | |
| | 3.5.3.5 | Supply & Install Active Harmonic Filter | Ea | 1 | 93,679.50 | 93,679.50 | |
| | 3.5.3.6 | Supply & Install MCC 03001 | Ea | 1 | 394,866.00 | 394,866.00 | Reduced price on MCC due to reduced size of MCC. |
| | 3.5.3.7 | Supply & Install DB's - 4 off | Lot | 1 | 39,445.00 | 39,445.00 | |
| | 3.5.3.8 | Supply & Install VSD's - 6 off | Lot | 1 | 90,679.00 | 90,679.00 | |
| | 3.5.3.9 | Supply & Install UPS-2000 5KVA | Ea | 1 | 30,059.50 | 30,059.50 | |
| | 3.5.3.10 | Supply & Install DB's - 5 off | Lot | 1 | 50,275.20 | 50,275.20 | |
| | 3.5.3.11 | Supply & Installation of Truck fill panel | Lot | 1 | 12,779.50 | 12,779.50 | |
| | 3.5.3.12 | Supply & Install Remote switching Panel | Ea | 1 | 11,070.65 | 11,070.65 | |
| | 3.5.3.13 | Supply & Install electrical fitout of switchroom | Lot | 1 | 16,565.43 | 16,565.43 | |
| | 3.5.3.14 | Supply & Install VESDA | PCSum | 1 | 10,000.00 | 10,000.00 | |
| | 3.5.3.15 | Supply & Install Fire system | PCsum | 1 | 10,000.00 | 10,000.00 | |
| | 3.5.3.16 | Supply & Install Security | PCsum | 1 | 8,000.00 | 8,000.00 | |
| | 3.5.3.17 | Supply & Install Cable support systems | Lot | 1 | 39,462.88 | 39,462.88 | |
| | 3.5.3.18 | Pre commissioning of Switchroom | Lot | 1 | 10,762.80 | 10,762.80 | |
| 6 | 3.5.4 | Mechanical | | | | | |
| | 3.5.4.1 | Split system air-conditioner, 8kW | No. | 2 | 10,000.00 | 20,000.00 | |
| 4 | 3.6 | Backwash Water Tank (004) | Item | 1 | 3,950,733.78 | 3,950,733.78 | |
| 5 | 3.6.1 | Civil | | | | | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|------------|---|--------|-------|--------------|--------------------------|---|
| 6 | 3.6.1.1 | Foundations | | | | | |
| | 3.6.1.1.1 | Allowance for foundations | m2 | 255 | 137.39 | 35,035.24 | Allowance for bored piers 600mm dia. 2.0m long, 1 per 11m2 |
| 6 | 3.6.1.2 | Detailed excavation | Item | 1 | 21,033.69 | 21,033.69 | |
| | 3.6.1.2.1 | Detailed excavation | m3 | 218 | 67.19 | 14,648.37 | ring beam 1.5x1.5, beams under baffle walls 800x800, slab 450mm thick |
| | 3.6.1.2.2 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 458 | 5.81 | 2,663.08 | |
| | 3.6.1.2.3 | Trim & compact subgrade | m2 | 255 | 14.60 | 3,722.24 | |
| 5 | 3.6.2 | Structural | Item | 1 | 1,341,101.56 | 1,341,101.56 | |
| 6 | 3.6.2.1 | Ring beam and base slab | m3 | 329 | 1,312.69 | 431,876.00 | |
| | 3.6.2.1.1 | Blinding | m2 | 255 | 42.86 | 10,928.41 | |
| | 3.6.2.1.2 | Membrane | m2 | 332 | 5.64 | 1,874.00 | |
| | 3.6.2.1.3 | Edge form 1.50m high COP | m2 | 85 | 300.79 | 25,567.38 | |
| | 3.6.2.1.4 | Supply & fix Reinforcing | Tonnes | 40.48 | 4,364.22 | 176,663.71 | 220 kg/m3 |
| | 3.6.2.1.5 | Supply & place S40 concrete to slab on ground | m3 | 180 | 644.79 | 116,062.52 | ring beam 1.5x1.5, slab 450mm thick |
| | 3.6.2.1.6 | Curing | m2 | 177 | 11.91 | 2,107.88 | |
| | 3.6.2.1.7 | Formwork to kerb/upstand 200mm high COP | m | 373 | 233.58 | 87,125.05 | |
| | 3.6.2.1.8 | Supply & place S40 concrete to kerb 200 X 400 | m3 | 4 | 644.79 | 2,579.17 | |
| | 3.6.2.1.9 | 250mm wide Supercast Rearguard waterstop | m | 49 | 140.00 | 6,860.00 | |
| | 3.6.2.1.10 | Allowance for resin injection to cracks | m2 | 177 | 11.91 | 2,107.88 | |
| 6 | 3.6.2.2 | External Walls | m2 | 402 | 1,856.92 | 746,482.15 | |
| | 3.6.2.2.1 | Scaffold stretcher stairs 5.0m rise erection | No. | 2 | 4,000.00 | 8,000.00 | |
| | 3.6.2.2.2 | Scaffold stretcher stairs 5.0m rise hire | Week | 24 | 65.00 | 1,560.00 | |
| | 3.6.2.2.3 | Scaffold stretcher stairs 5.0m rise removal | No. | 2 | 3,000.00 | 6,000.00 | |
| | 3.6.2.2.4 | Formwork to walls, C.O.P. class 3, >4.0m high | m2 | 453 | 371.95 | 168,495.20 | |
| | 3.6.2.2.5 | Formwork to walls, C.O.P. class 2, >4.0m high | m2 | 465 | 421.97 | 196,214.60 | Assumed external walls are suitable left as off-form concrete without paint finish due to the remote location |
| | 3.6.2.2.6 | Supply & fix reinforcing to walls | t | 40.92 | 4,364.22 | 178,583.97 | 220kg/m3 |
| | 3.6.2.2.7 | DN750 DICL puddle flange, supply | No. | 2 | 7,500.00 | 15,000.00 | |
| | 3.6.2.2.8 | DN750 DICL puddle flange, fix | No. | 2 | 2,171.35 | 4,342.71 | |
| | 3.6.2.2.9 | Supply, place & finish S40 concrete to walls | m3 | 186 | 554.83 | 103,198.03 | 400mm thick |
| | 3.6.2.2.10 | Curing | m2 | 918 | 11.91 | 10,932.40 | |
| | 3.6.2.2.11 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 453 | 87.76 | 39,754.96 | |
| | 3.6.2.2.12 | Allowance for resin injection to cracks | m2 | 453 | 11.91 | 5,394.74 | |
| | 3.6.2.2.13 | Hydostatic testing | Item | 1 | 9,005.54 | 9,005.54 | |
| 6 | 3.6.2.3 | Access stairs & platforms | Item | 1 | 69,925.49 | 69,925.49 | |
| | 3.6.2.3.1 | Pad footings complete | m3 | 3 | 1,800.00 | 5,400.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|------------------|---|-------------|----------|---------------------|--------------------------|---|
| | 3.6.2.3.2 | Allowance for structural steel 15-40KG/M, shop drafting, supply, fabricate, surface protection, install | t | 3 | 13,873.35 | 41,620.05 | Support structure to stairs |
| | 3.6.2.3.3 | Galvanized steel stair stingers & treads | MR | 2 | 1,665.92 | 3,331.85 | |
| | 3.6.2.3.4 | Webforge A325MPG mesh grating, HDG, fixed to steel trimmers | m2 | 20 | 450.00 | 9,000.00 | Walkways and landings |
| | 3.6.2.3.5 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 29 | 364.61 | 10,573.59 | |
| 6 | 3.6.2.4 | Roof structure & cladding | Item | 1 | 92,817.92 | 92,817.92 | |
| | 3.6.2.4.1 | Structural steel wall and roof framing comprising; - HD bolts, - steel trusses, - bracing, - stiffeners, cleats, end plates and connections | t | 3.53 | 13,873.35 | 48,972.92 | Allowance for 20kg/m2 for steel structure |
| | 3.6.2.4.2 | Roof purlins at 1200mm centres inc. tie rods, bridging, bolting etc. | m2 | 177 | 65.00 | 11,505.00 | |
| | 3.6.2.4.3 | Metal roof cladding inc. safety mesh and ridge capping | m2 | 177 | 140.00 | 24,780.00 | |
| | 3.6.2.4.4 | Permanent roof safety anchors | No. | 4 | 390.00 | 1,560.00 | |
| | 3.6.2.4.5 | Roof access hatch | No. | 1 | 6,000.00 | 6,000.00 | |
| 5 | 3.6.3 | Mechanical & Process | Item | 1 | 2,553,563.29 | 2,553,563.29 | |
| 6 | 3.6.3.1 | Equipment | Item | 1 | 268,312.72 | 268,312.72 | |
| | 3.6.3.1.1 | Backwash pump, e-XC450-370/1600W/W45BCS4AG Lowarra-Xylem | No. | 2 | 102,745.00 | 205,490.00 | |
| | 3.6.3.1.2 | Pump install, medium | No. | 2 | 16,873.25 | 33,746.50 | |
| | 3.6.3.1.3 | Mixer Submerged Jet 4620 Flygt-Xylem | No. | 1 | 19,416.00 | 19,416.00 | |
| | 3.6.3.1.4 | Mixer install | No. | 1 | 6,327.47 | 6,327.47 | |
| | 3.6.3.1.5 | Davit supply (equipment & personnel) | No. | 1 | 2,700.00 | 2,700.00 | |
| | 3.6.3.1.6 | Davit install | No. | 1 | 632.75 | 632.75 | |
| 6 | 3.6.3.2 | Pipework | Item | 1 | 652,483.66 | 652,483.66 | |
| 7 | 3.6.3.2.1 | DICL | | | | | |
| | 3.6.3.2.1.1 | DN300 DICL pipe & fittings above ground supply & installation | m | 2 | 3,748.09 | 7,496.17 | |
| | 3.6.3.2.1.2 | DICL pipework DN300 below ground, supply & install | m | 33 | 1,037.98 | 34,253.37 | |
| | 3.6.3.2.1.3 | Supply DICL DN750 PN35 bend 22.5 degress | No. | 45 | 5,214.00 | 234,630.00 | |
| | 3.6.3.2.1.4 | Pipework install below gnd DN750 | m | 33 | 573.13 | 18,913.21 | |
| | 3.6.3.2.1.5 | DN750 SCH 10 SS Pipe & Fittings above-ground Installation | m | 12 | 1,762.43 | 21,149.21 | |
| | 3.6.3.2.1.6 | Supply DICL DN900 PN35 SO-SP standard lengths, inc. pipe sleeve & freight | m | 5 | 800.00 | 4,000.00 | |
| | 3.6.3.2.1.7 | Supply DICL DN900 PN35 bend 22.5 degress | No. | 1 | 8,800.00 | 8,800.00 | Assumed |
| | 3.6.3.2.1.8 | Pipework install below gnd DN900 | m | 1 | 781.31 | 781.31 | 15m/day production |
| | 3.6.3.2.1.9 | DN900 Pipe & Fittings above-ground installation | m | 4 | 2,370.06 | 9,480.22 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|-------------|---|------|-----|--------------|--------------------------|---------|
| 7 | 3.6.3.2.2 | PVC | | | | | |
| | 3.6.3.2.2.1 | PVC pipework DN100 Sched. 80 BELOW ground, supply & install | m | 250 | 242.94 | 60,734.45 | |
| | 3.6.3.2.2.2 | PVC pipework DN200 Sched. 80 BELOW ground, supply & install | m | 3 | 495.25 | 1,485.74 | |
| | 3.6.3.2.2.3 | PVC pipework DN250 Sched. 80 BELOW ground, supply & install | m | 3 | 563.59 | 1,690.78 | |
| 7 | 3.6.3.2.3 | Stainless Steel Sched. 10 | | | | | |
| | 3.6.3.2.3.1 | Pipework supply DN200 SS136 S10 supply & fabricate | m | 182 | 998.42 | 181,713.26 | |
| | 3.6.3.2.3.2 | DN200 SCH 10 SS pipe & fittings above ground installation | m | 20 | 468.89 | 9,377.89 | |
| | 3.6.3.2.3.3 | Pipework install below gnd DN200 | m | 162 | 263.12 | 42,624.83 | |
| | 3.6.3.2.3.4 | Pipework supply DN250 SS136 S10 | m | 2 | 1,340.28 | 2,680.56 | |
| | 3.6.3.2.3.5 | DN250 SCH 10 SS Pipe & Fittings above-ground Installation | m | 2 | 596.22 | 1,192.45 | |
| | 3.6.3.2.3.6 | Pipework supply DN450 SS136 S10 supply & fabricate | m | 2 | 1,722.79 | 3,445.57 | |
| | 3.6.3.2.3.7 | DN450 SCH 10 SS pipe & fittings above-ground installation | m | 2 | 895.31 | 1,790.62 | |
| | 3.6.3.2.3.8 | Pipework supply DN500 SS136 S10 supply & fabricate | m | 2 | 1,788.55 | 3,577.10 | |
| | 3.6.3.2.3.9 | DN500 SCH 10 SS pipe & fittings above-ground installation | m | 2 | 1,333.46 | 2,666.92 | |
| 6 | 3.6.3.3 | Valves | Item | 1 | 1,603,308.39 | 1,603,308.39 | |
| 8 | 3.6.3.3.1 | BALL VALVES | | | | | |
| | 3.6.3.3.1.1 | Ball valve, DN25, SS316, sched. 10 supply | No. | 154 | 110.00 | 16,940.00 | |
| | 3.6.3.3.1.2 | Ball valve, DN50, SS316, sched. 10 supply | No. | 4 | 313.00 | 1,252.00 | |
| 8 | 3.6.3.3.2 | BUTTERFLY VALVES | | | | | |
| | 3.6.3.3.2.1 | Butterfly Valve, DN150, SS316, Sched. 10, Seat Material, Ductile iron body, 316SST disc, 431SST shaft, Vulcanised EPDM seat. | No. | 19 | 469.00 | 8,911.00 | |
| | 3.6.3.3.2.2 | Butterfly Valve, DN200, PVCS80, Bray Series 3L Seat Material, Ductile iron body, 316SST disc, 431SST shaft, Vulcanised EPDM seat. | No. | 11 | 1,319.00 | 14,509.00 | |
| | 3.6.3.3.2.3 | Butterfly Valve, DN300, SS316, Sched. 10, Bray Series 3L Seat Material, Ductile iron body, 316SST disc, 431SST shaft, Vulcanised EPDM seat. | No. | 14 | 2,210.00 | 30,940.00 | |
| | 3.6.3.3.2.4 | Butterfly Valve, DN350, SS316, Sched. 10, Seat Material, Ductile iron body, 316SST disc, 431SST shaft, Vulcanised EPDM seat. | No. | 19 | 5,563.57 | 105,707.83 | |
| | 3.6.3.3.2.5 | BUTTERFLY VALVE PNEUMATIC, DN500, SS316, Sched. 10, Bray Series 3L Seat Material, Ductile iron body, 316SST disc, 431SST shaft, Vulcanised EPDM seat. | No. | 5 | 14,365.69 | 71,828.45 | |
| | 3.6.3.3.2.6 | Butterfly Valve, DN750, SS316, Sched. 10, Bray Series 3L Seat Material, Ductile iron body, 316SST disc, 431SST shaft, Vulcanised EPDM seat. | No. | 15 | 20,859.00 | 312,885.00 | |
| 8 | 3.6.3.3.3 | CHECK VALVES | | | | | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|--------------|---|------|-----|-----------|--------------------------|---------|
| | 3.6.3.3.3.1 | CHECK VALVE, DN25, SS316, Sched. 10, GF Type 561 Seat Material, PVC / FKM | No. | 6 | 103.29 | 619.74 | |
| | 3.6.3.3.3.2 | CHECK VALVE, DN150, SS316, Sched. 10, Bray Bray/Rite Seat Material 316SS | No. | 6 | 1,198.00 | 7,188.00 | |
| | 3.6.3.3.3.3 | CHECK VALVE, DN750, SS316, Sched. 10, Bray Bray/Rite Seat Material 316SS | No. | 2 | 81,464.00 | 162,928.00 | |
| 8 | 3.6.3.3.4 | CONTINUOUS VENTING VALVE | | | | | |
| | 3.6.3.3.4.1 | CONTINUOUS VENTING VALVE, DN25, SS316, Sched. 10, Bermad C30-050 IP Seat Material, Threaded BSP Composite 16 Bar rated Air Out Only | No. | 1 | 739.00 | 739.00 | |
| 8 | 3.6.3.3.5 | DIAPHRAGM VALVE | | | | | |
| | 3.6.3.3.5.1 | DIAPHRAGM VALVE, DN25, PVCS80, GF Type 514 Seat Material, PVC / PTFE | No. | 12 | 307.77 | 3,693.24 | |
| 8 | 3.6.3.3.6 | GATE VALVES | | | | | |
| | 3.6.3.3.6.1 | GATE VALVE, DN25, SS316, Sched. 10, Reece Dura Eagle Seat Material 316SS | No. | 1 | 94.08 | 94.08 | |
| | 3.6.3.3.6.2 | GATE VALVE, DN50, SS316, Sched. 10, Reece Dura Eagle Seat Material 316SS | No. | 2 | 206.00 | 412.00 | |
| | 3.6.3.3.6.3 | GATE VALVE, DN100, SS316, Sched. 10, Reece Dura Seat Material 316SS | No. | 1 | 325.00 | 325.00 | |
| | 3.6.3.3.6.4 | GATE VALVE, DN150, SS316, Sched. 10, Reece Dura Seat Material 316SS | No. | 14 | 674.41 | 9,441.74 | |
| | 3.6.3.3.6.5 | GATE VALVE, DN200, SS316, Sched. 10, Reece Dura Seat Material 316SS | No. | 3 | 736.00 | 2,208.00 | |
| | 3.6.3.3.6.6 | SLIDE GATE PNEUMATIC, DN300, SS316, Sched. 10, Seat Material 316SS | No. | 4 | 44,765.00 | 179,060.00 | |
| | 3.6.3.3.6.7 | Gate valve DN500, manual, AVK Model S55/80 | No. | 1 | 15,000.00 | 15,000.00 | |
| | 3.6.3.3.6.8 | Gate valve DN750, manual, AVK Model S55/80 | No. | 7 | 55,930.17 | 391,511.19 | |
| 8 | 3.6.3.3.7 | MOTORISED BALL VALVE | | | | | |
| | 3.6.3.3.7.1 | Ball Valve Motorised, DN25, SS316, Sched. 10, Seat Material 316SS | No. | 2 | 850.00 | 1,700.00 | |
| 8 | 3.6.3.3.8 | PRESSURE REGULATING VALVE | | | | | |
| | 3.6.3.3.8.1 | PRESSURE REGULATING VALVE, DN25, PVCS80, GF Type 586 Seat Material, PVC / FKM | No. | 18 | 536.00 | 9,648.00 | |
| 8 | 3.6.3.3.9 | PRESSURE RELIEF VALVE | | | | | |
| | 3.6.3.3.9.1 | PRESSURE RELIEF VALVE, DN25, SS316, Sched. 10, SMC AR60K-10-D with GC3-10AS-D 1MPa gauge Seat Material 316SS | No. | 6 | 275.00 | 1,650.00 | |
| 8 | 3.6.3.3.10 | SOLENOID VALVE | | | | | |
| | 3.6.3.3.10.1 | Solenoid Valve, DN25, PVCS80, Burkert 228393 | No. | 6 | 536.00 | 3,216.00 | |
| 8 | 3.6.3.3.11 | VALVE INSTALL | | | | | |
| | 3.6.3.3.11.1 | DN25 Valve Installation | /ea | 206 | 192.63 | 39,682.25 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|----------------|---|-------------|------------|---------------------|--------------------------|---|
| | 3.6.3.3.11.2 | DN50 Valve Installation | /ea | 6 | 276.91 | 1,661.45 | |
| | 3.6.3.3.11.3 | DN100 Valve Installation | /ea | 1 | 517.70 | 517.70 | |
| | 3.6.3.3.11.4 | DN150 Valve Installation | /ea | 39 | 650.13 | 25,355.22 | |
| | 3.6.3.3.11.5 | DN200 Valve Installation | /ea | 14 | 866.85 | 12,135.83 | |
| | 3.6.3.3.11.6 | DN300 Valve Installation | /ea | 18 | 1,324.35 | 23,838.24 | |
| | 3.6.3.3.11.7 | DN400 Valve Installation | /ea | 19 | 2,141.60 | 40,690.38 | |
| | 3.6.3.3.11.8 | DN500 Valve Installation | /ea | 6 | 2,141.60 | 12,849.59 | |
| | 3.6.3.3.11.9 | DN750 Valve Installation | /ea | 24 | 3,923.77 | 94,170.46 | |
| 6 | 3.6.3.4 | Instrumentation | Item | 1 | 29,458.52 | 29,458.52 | |
| | 3.6.3.4.1 | Flow meter, Promag W400, DN750, supply | No. | 1 | 25,726.27 | 25,726.27 | |
| | 3.6.3.4.2 | Electro mag-flow meter install, DN750 | No. | 1 | 3,732.25 | 3,732.25 | |
| 4 | 3.8 | Backwash Balance Tank (008) | Item | 1 | 1,676,107.56 | 1,676,107.56 | |
| 5 | 3.8.1 | Civil | | | | | |
| 6 | 3.8.1.1 | Foundations | | | | | |
| | 3.8.1.1.1 | Allowance for foundations | m2 | 255 | 137.39 | 35,035.24 | Allowance for bored piers 600mm dia. 2.0m long, 1 per 11m2 |
| 6 | 3.8.1.2 | Detailed excavation | Item | 1 | 21,033.69 | 21,033.69 | |
| | 3.8.1.2.1 | Detailed excavation | m3 | 218 | 67.19 | 14,648.37 | ring beam 1.5x1.5, beams under baffle walls 800x800, slab 450mm thick |
| | 3.8.1.2.2 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 458 | 5.81 | 2,663.08 | |
| | 3.8.1.2.3 | Trim & compact subgrade | m2 | 255 | 14.60 | 3,722.24 | |
| 5 | 3.8.2 | Structural | Item | 1 | 1,167,918.56 | 1,167,918.56 | |
| 6 | 3.8.2.1 | Ring beam and base slab | m3 | 136 | 2,570.04 | 349,525.99 | |
| | 3.8.2.1.1 | Blinding | m2 | 163 | 42.86 | 6,985.61 | |
| | 3.8.2.1.2 | Membrane | m2 | 290 | 5.64 | 1,636.93 | |
| | 3.8.2.1.3 | Edge form 1.50m high COP | m2 | 127 | 300.79 | 38,200.68 | |
| | 3.8.2.1.4 | Supply & fix Reinforcing | Tonnes | 30.80 | 4,364.22 | 134,418.04 | 220 kg/m3 |
| | 3.8.2.1.5 | Supply & place S40 concrete to slab on ground | m3 | 136 | 644.79 | 87,691.68 | ring beam 1.5x1.5, slab 450mm thick |
| | 3.8.2.1.6 | Curing | m2 | 163 | 11.91 | 1,941.16 | |
| | 3.8.2.1.7 | Formwork to kerb/upstand 200mm high COP | m | 291 | 233.58 | 67,971.56 | |
| | 3.8.2.1.8 | Supply & place S40 concrete to kerb 200 X 400 | m3 | 4 | 644.79 | 2,579.17 | |
| | 3.8.2.1.9 | 250mm wide Supercast Rearguard waterstop | m | 44 | 140.00 | 6,160.00 | |
| | 3.8.2.1.10 | Allowance for resin injection to cracks | m2 | 163 | 11.91 | 1,941.16 | |
| 6 | 3.8.2.2 | External Walls | m2 | 405 | 1,649.03 | 667,855.77 | |
| | 3.8.2.2.1 | Scaffold stretcher stairs 5.0m rise erection | No. | 2 | 4,000.00 | 8,000.00 | |
| | 3.8.2.2.2 | Scaffold stretcher stairs 5.0m rise hire | Week | 24 | 65.00 | 1,560.00 | |
| | 3.8.2.2.3 | Scaffold stretcher stairs 5.0m rise removal | No. | 2 | 3,000.00 | 6,000.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|----------------|---|-------------|----------|-------------------|--------------------------|---|
| | 3.8.2.2.4 | Formwork to walls, C.O.P. class 3, >4.0m high | m2 | 417 | 371.95 | 155,104.85 | |
| | 3.8.2.2.5 | Formwork to walls, C.O.P. class 2, >4.0m high | m2 | 393 | 421.97 | 165,832.99 | Assumed external walls are suitable left as off-form concrete without paint finish due to the remote location |
| | 3.8.2.2.6 | Supply & fix reinforcing to walls | t | 36.74 | 4,364.22 | 160,341.52 | 220kg/m3 |
| | 3.8.2.2.7 | DN750 DICL puddle flange, supply | No. | 2 | 7,500.00 | 15,000.00 | |
| | 3.8.2.2.8 | DN750 DICL puddle flange, fix | No. | 2 | 2,171.35 | 4,342.71 | |
| | 3.8.2.2.9 | Supply, place & finish S40 concrete to walls | m3 | 167 | 554.83 | 92,656.30 | 400mm thick |
| | 3.8.2.2.10 | Curing | m2 | 810 | 11.91 | 9,646.23 | |
| | 3.8.2.2.11 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 405 | 87.76 | 35,542.51 | |
| | 3.8.2.2.12 | Allowance for resin injection to cracks | m2 | 405 | 11.91 | 4,823.12 | |
| | 3.8.2.2.13 | Hydostatic testing | Item | 1 | 9,005.54 | 9,005.54 | |
| 6 | 3.8.2.3 | Access stairs & platforms | Item | 1 | 69,925.49 | 69,925.49 | |
| | 3.8.2.3.1 | Pad footings complete | m3 | 3 | 1,800.00 | 5,400.00 | |
| | 3.8.2.3.2 | Allowance for structural steel 15-40KG/M, shop drafting, supply, fabricate, surface protection, install | t | 3 | 13,873.35 | 41,620.05 | Support structure to stairs |
| | 3.8.2.3.3 | Galvanized steel stair stingers & treads | MR | 2 | 1,665.92 | 3,331.85 | |
| | 3.8.2.3.4 | Webforge A325MPG mesh grating, HDG, fixed to steel trimmers | m2 | 20 | 450.00 | 9,000.00 | Walkways and landings |
| | 3.8.2.3.5 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 29 | 364.61 | 10,573.59 | |
| 6 | 3.8.2.4 | Roof structure & cladding | Item | 1 | 80,611.31 | 80,611.31 | |
| | 3.8.2.4.1 | Structural steel wall and roof framing comprising; - HD bolts, - steel trusses, - bracing, - stiffeners, cleats, end plates and connections | t | 2.99 | 13,873.35 | 41,481.31 | Allowance for 20kg/m2 for steel structure |
| | 3.8.2.4.2 | Roof purlins at 1200mm centres inc. tie rods, bridging, bolting etc. | m2 | 154 | 65.00 | 10,010.00 | |
| | 3.8.2.4.3 | Metal roof cladding inc. safety mesh and ridge capping | m2 | 154 | 140.00 | 21,560.00 | |
| | 3.8.2.4.4 | Permanent roof safety anchors | No. | 4 | 390.00 | 1,560.00 | |
| | 3.8.2.4.5 | Roof access hatch | No. | 1 | 6,000.00 | 6,000.00 | |
| 5 | 3.8.3 | Mechanical & Process | Item | 1 | 452,120.07 | 452,120.07 | |
| 6 | 3.8.3.1 | Equipment | Item | 1 | 268,312.72 | 268,312.72 | |
| | 3.8.3.1.1 | Backwash pump, e-XC450-370/1600W/W45BCS4AG Lowarra-Xylem | No. | 2 | 102,745.00 | 205,490.00 | |
| | 3.8.3.1.2 | Pump install, medium | No. | 2 | 16,873.25 | 33,746.50 | |
| | 3.8.3.1.3 | Mixer Submerged Jet 4620 Flygt-Xylem | No. | 1 | 19,416.00 | 19,416.00 | |
| | 3.8.3.1.4 | Mixer install | No. | 1 | 6,327.47 | 6,327.47 | |
| | 3.8.3.1.5 | Davit supply (equipment & personnel) | No. | 1 | 2,700.00 | 2,700.00 | |
| | 3.8.3.1.6 | Davit install | No. | 1 | 632.75 | 632.75 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|-------------|---|------|-----|--------------|--------------------------|---------|
| 6 | 3.8.3.2 | Valves | Item | 1 | 154,348.83 | 154,348.83 | |
| 7 | 3.8.3.2.1 | BALL VALVES | | | | | |
| | 3.8.3.2.1.1 | BALL VALVE, DN25, SS316, Sched. 10, Asmuss 3 piece ball valve Seat Material 316SS | No. | 8 | 52.98 | 423.84 | |
| | 3.8.3.2.1.2 | BALL VALVE, DN50, SS316, Sched. 10, Asmuss 3 piece ball valve Seat Material 316SS | No. | 1 | 159.00 | 159.00 | |
| 7 | 3.8.3.2.2 | BUTTERFLY VALVES | | | | | |
| | 3.8.3.2.2.1 | BUTTERFLY VALVE PNEUMATIC, DN200, PVC80, Seat Material, Ductile iron body, 316SST disc, 431SST shaft, Vulcanised EPDM seat. | No. | 4 | 3,002.56 | 12,010.24 | |
| | 3.8.3.2.2.2 | Butterfly Valve, DN600, SS316, Sched. 10, Bray Series 3L Seat Material, Ductile iron body, 316SST disc, 431SST shaft, Vulcanised EPDM seat. | No. | 2 | 7,930.00 | 15,860.00 | |
| 7 | 3.8.3.2.3 | CHECK VALVES | | | | | |
| | 3.8.3.2.3.1 | CHECK VALVE, DN200, SS316, Sched. 10, Bray Bray/Rite Seat Material 316SS | No. | 2 | 1,796.00 | 3,592.00 | |
| 7 | 3.8.3.2.4 | CONTINUOUS VENTING VALVE | | | | | |
| | 3.8.3.2.4.1 | CONTINUOUS VENTING VALVE, DN25, SS316, Sched. 10, Bermad C30-050 IP Seat Material, Threaded BSP Composite 16 Bar rated Air Out Only | No. | 1 | 739.00 | 739.00 | |
| 7 | 3.8.3.2.5 | DIAPHRAGM VALVE | | | | | |
| | 3.8.3.2.5.1 | DIAPHRAGM VALVE, DN25, PVC80, GF Type 514 Seat Material, PVC / PTFE | No. | 2 | 307.77 | 615.54 | |
| 7 | 3.8.3.2.6 | GATE VALVES | | | | | |
| | 3.8.3.2.6.1 | GATE VALVE, DN250, SS316, Sched. 10, Reece Dimax Seat Material 316SS | No. | 2 | 2,445.00 | 4,890.00 | |
| | 3.8.3.2.6.2 | GATE VALVE, DN600, DICL, AVK S55/80 Seat Material 316SS | No. | 2 | 48,000.00 | 96,000.00 | |
| 7 | 3.8.3.2.7 | MOTORISED BALL VALVE | | | | | |
| | 3.8.3.2.7.1 | MOTORISED BALL VALVE DN50 | No. | 1 | 1,500.00 | 1,500.00 | |
| 7 | 3.8.3.2.8 | VALVE INSTALL | | | | | |
| | 3.8.3.2.8.1 | DN25 Valve Installation | /ea | 11 | 192.63 | 2,118.96 | |
| | 3.8.3.2.8.2 | DN50 Valve Installation | /ea | 2 | 276.91 | 553.82 | |
| | 3.8.3.2.8.3 | DN200 Valve Installation | /ea | 6 | 866.85 | 5,201.07 | |
| | 3.8.3.2.8.4 | DN250 Valve Installation | /ea | 2 | 1,059.48 | 2,118.96 | |
| | 3.8.3.2.8.5 | DN500 Valve Installation | /ea | 4 | 2,141.60 | 8,566.40 | |
| 6 | 3.8.3.3 | Instrumentation | Item | 1 | 29,458.52 | 29,458.52 | |
| | 3.8.3.3.1 | Flow meter, Promag W400, DN750, supply | No. | 1 | 25,726.27 | 25,726.27 | |
| | 3.8.3.3.2 | Electro mag-flow meter install, DN750 | No. | 1 | 3,732.25 | 3,732.25 | |
| 4 | 3.9 | Sludge Thickener (009) | Item | 1 | 1,973,457.65 | 1,973,457.65 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|------------|---|--------|--------|--------------|--------------------------|---|
| 6 | 3.9.1 | Civils | Item | 1 | 37,347.75 | 37,347.75 | |
| 7 | 3.9.1.1 | Foundations | | | | | |
| | 3.9.1.1.1 | Allowance for foundations | m2 | 194 | 137.39 | 26,654.26 | Allowance for bored piers 600mm dia. 2.0m long, 1 per 11m2 |
| 7 | 3.9.1.2 | Detailed excavation | Item | 1 | 10,693.49 | 10,693.49 | |
| | 3.9.1.2.1 | Detailed excavation | m3 | 99 | 67.19 | 6,652.24 | ring beam 800x800, beam under central wall 800x800 |
| | 3.9.1.2.2 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 208 | 5.81 | 1,209.43 | |
| | 3.9.1.2.3 | Trim & compact subgrade | m2 | 194 | 14.60 | 2,831.82 | |
| 6 | 3.9.2 | Structural | Item | 1 | 1,110,483.97 | 1,110,483.97 | |
| 7 | 3.9.2.1 | Ring beam and base slab | m3 | 55 | 4,121.07 | 226,658.96 | |
| | 3.9.2.1.1 | Blinding | m2 | 194 | 42.86 | 8,314.16 | |
| | 3.9.2.1.2 | Membrane | m2 | 253 | 5.64 | 1,428.08 | |
| | 3.9.2.1.3 | Edge form 800mm high COP | m | 97 | 402.04 | 38,997.54 | |
| | 3.9.2.1.4 | Supply & fix Reinforcing | Tonnes | 23.10 | 4,364.22 | 100,813.53 | 220 kg/m3 |
| | 3.9.2.1.5 | DN750 DICL puddle flange, supply | No. | 1 | 7,500.00 | 7,500.00 | |
| | 3.9.2.1.6 | DN750 DICL puddle flange, fix | No. | 1 | 2,171.35 | 2,171.35 | |
| | 3.9.2.1.7 | Supply & place S40 concrete to slab on ground | m3 | 101 | 644.79 | 65,123.97 | ring beam 800x800, beam under central wall 800x800, slab 300mm thick |
| | 3.9.2.1.8 | Curing | m2 | 194 | 11.91 | 2,310.33 | |
| 7 | 3.9.2.2 | External Walls | m2 | 274 | 1,614.44 | 442,357.52 | |
| | 3.9.2.2.1 | Scaffold stretcher stairs 7.0m rise erection | No. | 2 | 3,355.00 | 6,710.00 | |
| | 3.9.2.2.2 | Scaffold stretcher stairs 7.0m rise hire | Week | 24 | 40.00 | 960.00 | |
| | 3.9.2.2.3 | Scaffold stretcher stairs 7.0m rise removal | No. | 2 | 1,600.00 | 3,200.00 | |
| | 3.9.2.2.4 | Formwork to walls, C.O.P. class 3, >4.0m high | m2 | 257.45 | 371.95 | 95,759.58 | |
| | 3.9.2.2.5 | Formwork to walls, C.O.P. class 2, >4.0m high | m2 | 271.28 | 421.97 | 114,471.18 | Assumed external walls are suitable left as off-form concrete without paint finish due to the remote location |
| | 3.9.2.2.6 | Supply & fix reinforcing to walls | t | 23.98 | 4,364.22 | 104,654.05 | 220kg/m3 |
| | 3.9.2.2.7 | 250mm wide Supercast Rearguard waterstop | m | 98.65 | 140.00 | 13,811.00 | Laundry interface. Scraper floor/wall interface |
| | 3.9.2.2.8 | Supply, place & finish S40 concrete to walls | m3 | 109 | 554.83 | 60,476.26 | 400mm thick |
| | 3.9.2.2.9 | Curing | m2 | 529 | 11.91 | 6,299.82 | |
| | 3.9.2.2.10 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 271 | 87.76 | 23,782.77 | |
| | 3.9.2.2.11 | Allowance for resin injection to cracks | m2 | 271 | 11.91 | 3,227.32 | |
| | 3.9.2.2.12 | Hydrostatic testing | Item | 1 | 9,005.54 | 9,005.54 | |
| 7 | 3.9.2.3 | Sump & scraper floor | m3 | 37 | 6,783.28 | 250,981.43 | |
| | 3.9.2.3.1 | Formwork to walls COP in conical profile | m2 | 15 | 1,200.00 | 18,000.00 | |
| | 3.9.2.3.2 | Suspended slab formwork to circular conical shape | m2 | 190 | 800.00 | 152,000.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|------------------|---|-------------|-----------|------------------|--------------------------|--|
| | 3.9.2.3.3 | Supply & fix reinforcing to suspended slab/walls | t | 8.14 | 6,546.33 | 53,287.15 | 220kg/m3 |
| | 3.9.2.3.4 | Supply, place & finish S40 concrete to walls/suspended slab | m3 | 37 | 748.49 | 27,694.28 | 400mm thick |
| 7 | 3.9.2.4 | Launder | m3 | 31 | 3,721.90 | 115,378.76 | |
| | 3.9.2.4.1 | Formwork to suspended slab 750mm wide, C.O.P | m2 | 49 | 482.37 | 23,636.07 | |
| | 3.9.2.4.2 | Formwork to walls, C.O.P. class 2, <2.0m high | m2 | 52 | 333.20 | 17,326.50 | |
| | 3.9.2.4.3 | Formwork to walls, C.O.P. class 3, <2.0m high | m2 | 54 | 300.79 | 16,242.81 | |
| | 3.9.2.4.4 | Supply & fix reinforcing to walls [ASSUME 220KG PER M3] | t | 6.82 | 4,364.22 | 29,764.00 | |
| | 3.9.2.4.5 | Supply, place & finish S40 concrete to floor & walls [250mm thick assumed] | m3 | 31 | 497.98 | 15,437.32 | |
| | 3.9.2.4.6 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 85.00 | 87.76 | 7,459.54 | |
| | 3.9.2.4.7 | Acid etch to slab finish | m2 | 49 | 9.08 | 445.08 | |
| | 3.9.2.4.8 | Grout Sika Monotop [ASSUMED] average 50mm deep | m2 | 49 | 19.21 | 941.25 | |
| | 3.9.2.4.9 | Cast-in DICL spool to bellmouth | No. | 1 | 3,113.93 | 3,113.93 | |
| | 3.9.2.4.10 | Allowance for resin injection to cracks | m2 | 85 | 11.91 | 1,012.26 | |
| 7 | 3.9.2.5 | Access stairs & platforms | Item | 1 | 75,107.30 | 75,107.30 | |
| 8 | 3.9.2.5.1 | Stairs | MR | 6 | 7,125.10 | 42,750.61 | |
| | 3.9.2.5.1.1 | Pad footings complete | m3 | 3 | 1,800.00 | 5,400.00 | |
| | 3.9.2.5.1.2 | Allowance for structural steel 15-40KG/M, shop drafting, supply, fabricate, surface protection, install | t | 1.10 | 13,873.35 | 15,260.68 | Support structure to stairs |
| | 3.9.2.5.1.3 | Galvanized steel stair stingers & treads | MR | 6 | 1,665.92 | 9,995.55 | |
| | 3.9.2.5.1.4 | Webforge A325MPG mesh grating, HDG, fixed to steel trimmers | m2 | 5 | 450.00 | 2,250.00 | Walkways and landings |
| | 3.9.2.5.1.5 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 27 | 364.61 | 9,844.38 | |
| 8 | 3.9.2.5.2 | Platforms | M2 | 14 | 2,311.19 | 32,356.69 | |
| | 3.9.2.5.2.1 | Allowance for structural steel 15-40KG/M, shop drafting, supply, fabricate, surface protection, install | t | 1.30 | 13,873.35 | 18,035.35 | Support structure to stairs |
| | 3.9.2.5.2.2 | Webforge A325MPG mesh grating, HDG, fixed to steel trimmers | m2 | 14 | 450.00 | 6,300.00 | Walkways and landings |
| | 3.9.2.5.2.3 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 22 | 364.61 | 8,021.34 | |
| 6 | 3.9.3 | Mechanical | | | | | |
| 7 | 3.9.3.1 | Equipment | | | | | |
| | 3.9.3.1.1 | Gravity thickener mixer 1.5kW TD, Mixtec | No. | 1 | 10,000.00 | 10,000.00 | |
| | 3.9.3.1.2 | Mixer install | No. | 1 | 2,109.16 | 2,109.16 | |
| | 3.9.3.1.3 | Gravity thickener mixer motor | No. | 1 | 350,000.00 | 350,000.00 | may be a typo of value in the equipment list |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|------------------|--|-------------|----------|-------------------|--------------------------|---------|
| | 3.9.3.1.4 | Gravity thickener supernatant analyser panel | No. | 1 | 12,000.00 | 12,000.00 | |
| | 3.9.3.1.5 | Analyser panel - install | No. | 1 | 1,687.32 | 1,687.32 | |
| | 3.9.3.1.6 | Tank Mixer 1.5kW Sub Mixer - AMD.07.18 Grundfos | No. | 1 | 3,100.00 | 3,100.00 | |
| | 3.9.3.1.7 | Mixer install | No. | 1 | 2,109.16 | 2,109.16 | |
| | 3.9.3.1.8 | Supernatant Return Pump 1 IXPC150-125-250B110P45BDN4S1G Lowara-Xylem | No. | 2 | 11,625.00 | 23,250.00 | |
| | 3.9.3.1.9 | Pump install, small | No. | 2 | 6,749.30 | 13,498.60 | |
| | 3.9.3.1.10 | Supernatant return analyser panel | No. | 1 | 12,000.00 | 12,000.00 | |
| | 3.9.3.1.11 | Analyser panel - install | No. | 1 | 1,687.32 | 1,687.32 | |
| | 3.9.3.1.12 | Thickened Sludge Tank Mixer 1 Flygt 4620 - 1.5kW Flygt-Xylem | No. | 2 | 19,416.00 | 38,832.00 | |
| | 3.9.3.1.13 | Mixer install | No. | 2 | 6,327.47 | 12,654.94 | |
| | 3.9.3.1.14 | Centrifuge Feed Pump 1 Netzsch | No. | 3 | 6,210.00 | 18,630.00 | |
| | 3.9.3.1.15 | Pump install - small | No. | 3 | 6,749.30 | 20,247.90 | |
| | 3.9.3.1.16 | Centrate return pump Grundfos | No. | 2 | 6,458.00 | 12,916.00 | |
| | 3.9.3.1.17 | Pump install - small | No. | 2 | 6,749.30 | 13,498.60 | |
| | 3.9.3.1.18 | Centrate return tank mixer 1.5kW Sub Mixer - AMD.07.18 Grundfos | No. | 1 | 3,100.00 | 3,100.00 | |
| | 3.9.3.1.19 | Mixer install | No. | 1 | 2,109.16 | 2,109.16 | |
| | 3.9.3.1.20 | Davit supply (rescue) | No. | 1 | 2,500.00 | 2,500.00 | |
| | 3.9.3.1.21 | Davit install | No. | 1 | 632.75 | 632.75 | |
| 7 | 3.9.3.2 | Pipework | Item | 1 | 166,505.31 | 166,505.31 | |
| 8 | 3.9.3.2.1 | Stainless Steel Sched. 10 | | | | | |
| | 3.9.3.2.1.1 | Pipework supply DN100 SS136 S10 | m | 40 | 446.18 | 17,847.12 | |
| | 3.9.3.2.1.2 | DN100 SCH 10 SS Pipe & Fittings above-ground Installation | m | 8 | 269.75 | 2,157.98 | |
| | 3.9.3.2.1.3 | Pipework install below gnd DN100 | m | 32 | 217.17 | 6,949.55 | |
| | 3.9.3.2.1.4 | Pipework supply DN150 SS136 S10 | m | 45 | 513.29 | 23,098.02 | |
| | 3.9.3.2.1.5 | DN150 SCH 10 SS Pipe & Fittings above-ground Installation | m | 45 | 322.97 | 14,533.74 | |
| | 3.9.3.2.1.6 | Pipework supply DN200 SS136 S10 supply & fabricate | m | 31 | 998.42 | 30,951.16 | |
| | 3.9.3.2.1.7 | DN200 SCH 10 SS pipe & fittings above ground installation | m | 9 | 468.89 | 4,220.05 | |
| | 3.9.3.2.1.8 | Pipework install below gnd DN200 | m | 22 | 263.12 | 5,788.56 | |
| | 3.9.3.2.1.9 | Pipework supply DN250 SS136 S10 | m | 10 | 1,340.28 | 13,402.80 | |
| | 3.9.3.2.1.10 | DN250 SCH 10 SS Pipe & Fittings above-ground Installation | m | 1 | 596.22 | 596.22 | |
| | 3.9.3.2.1.11 | Pipework install below gnd DN250 | m | 9 | 305.17 | 2,746.55 | |
| | 3.9.3.2.1.12 | Pipework supply DN300 SS136 S10 | m | 32 | 1,013.36 | 32,427.41 | |
| | 3.9.3.2.1.13 | DN300 SCH 10 SS Pipe & Fittings above-ground Installation | m | 3.20 | 782.86 | 2,505.16 | |
| | 3.9.3.2.1.14 | Pipework install below gnd DN300 | m | 28.80 | 322.26 | 9,280.99 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|-------------|---|------|-----|-----------|--------------------------|---------|
| 7 | 3.9.3.3 | Valves | Item | 1 | 60,602.30 | 60,602.30 | |
| 9 | 3.9.3.3.1 | BALL VALVES | | | | | |
| | 3.9.3.3.1.1 | Ball valve, DN25, SS316, sched. 10 supply | No. | 30 | 110.00 | 3,300.00 | |
| 9 | 3.9.3.3.2 | BUTTERFLY VALVES | | | | | |
| | 3.9.3.3.2.1 | Butterfly Valve, DN80, SS316, Sched. 10, Bray Series 3L Seat Material, Ductile iron body, 316SS disc, 431SST shaft, Vulcanised EPDM seat. | No. | 2 | 359.00 | 718.00 | |
| | 3.9.3.3.2.2 | Butterfly Valve, DN150, SS316, Sched. 10, Seat Material, Ductile iron body, 316SS disc, 431SST shaft, Vulcanised EPDM seat. | No. | 2 | 1,321.77 | 2,643.54 | |
| | 3.9.3.3.2.3 | BUTTERFLY VALVE PNEUMATIC, DN200, PVCS80, Seat Material, Ductile iron body, 316SS disc, 431SST shaft, Vulcanised EPDM seat. | No. | 2 | 3,002.56 | 6,005.12 | |
| 9 | 3.9.3.3.3 | CHECK VALVES | | | | | |
| | 3.9.3.3.3.1 | CHECK VALVE, DN80, PVCS80, GF Type 561 Seat Material, PVC / FKM | No. | 5 | 220.16 | 1,100.80 | |
| | 3.9.3.3.3.2 | CHECK VALVE, DN150, SS316, Sched. 10, Seat Material 316SS | No. | 2 | 1,549.57 | 3,099.14 | |
| 9 | 3.9.3.3.4 | CONTINUOUS VENTING VALVE | | | | | |
| | 3.9.3.3.4.1 | CONTINUOUS VENTING VALVE, DN25, SS316, Sched. 10, Bermad C30-050 IP Seat Material, Threaded BSP Composite 16 Bar rated Air Out Only | No. | 1 | 739.00 | 739.00 | |
| 9 | 3.9.3.3.5 | DIAPHRAGM VALVE | | | | | |
| | 3.9.3.3.5.1 | DIAPHRAGM VALVE, DN25, PVCS80, GF Type 514 Seat Material, PVC / PTFE | No. | 2 | 307.77 | 615.54 | |
| 9 | 3.9.3.3.6 | GATE VALVES | | | | | |
| | 3.9.3.3.6.1 | GATE VALVE, DN80, SS316, Sched. 10, Reece Dura Seat Material 316SS | No. | 11 | 317.00 | 3,487.00 | |
| | 3.9.3.3.6.2 | GATE VALVE, DN100, SS316, Sched. 10, Reece Dura Seat Material 316SS | No. | 3 | 325.00 | 975.00 | |
| | 3.9.3.3.6.3 | GATE VALVE, DN150, SS316, Sched. 10, Seat Material 316SS | No. | 5 | 674.41 | 3,372.05 | |
| | 3.9.3.3.6.4 | GATE VALVE, DN200, SS316, Sched. 10, Seat Material 316SS | No. | 1 | 841.50 | 841.50 | |
| | 3.9.3.3.6.5 | GATE VALVE, DN250, SS316, Sched. 10, Seat Material 316SS | No. | 3 | 1,347.50 | 4,042.50 | |
| 9 | 3.9.3.3.7 | PRESSURE RELIEF VALVES | | | | | |
| | 3.9.3.3.7.1 | PRESSURE RELIEF VALVE, DN80 | No. | 3 | 1,398.02 | 4,194.06 | |
| 9 | 3.9.3.3.8 | VALVE INSTALL | | | | | |
| | 3.9.3.3.8.1 | DN25 Valve Installation | /ea | 33 | 192.63 | 6,356.87 | |
| | 3.9.3.3.8.2 | DN80 Valve Installation | /ea | 21 | 385.26 | 8,090.56 | |
| | 3.9.3.3.8.3 | DN100 Valve Installation | /ea | 3 | 517.70 | 1,553.10 | |
| | 3.9.3.3.8.4 | DN150 Valve Installation | /ea | 9 | 650.13 | 5,851.21 | |
| | 3.9.3.3.8.5 | DN200 Valve Installation | /ea | 3 | 866.85 | 2,600.54 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|--|-----------------|---|-------------|------------|-------------------|--------------------------|--|
| 9 3.9.3.3.9 ACTUATOR INSTALL | | | | | | | |
| | 3.9.3.3.9.1 | DN25 Actuator Installation | /ea | 1 | 78.26 | 78.26 | |
| | 3.9.3.3.9.2 | DN80 Actuator Installation | /ea | 2 | 469.25 | 938.51 | |
| 7 | 3.9.3.4 | Instrumentation | Item | 1 | 41,955.41 | 41,955.41 | |
| 8 3.9.3.4.1 67 THICKENER & SUPERNATANT RETURN | | | | | | | |
| | 3.9.3.4.1.1 | Flow meter, Promag W400, DN300, supply | No. | 1 | 9,968.59 | 9,968.59 | |
| | 3.9.3.4.1.2 | Electro mag-flow meter install, DN250 | No. | 1 | 2,528.30 | 2,528.30 | |
| | 3.9.3.4.1.3 | Flow meter, Promag W400, DN750, supply | No. | 1 | 25,726.27 | 25,726.27 | |
| | 3.9.3.4.1.4 | Electro mag-flow meter install, DN750 | No. | 1 | 3,732.25 | 3,732.25 | |
| 4 | 3.10 | Thickened Sludge Balance Tank (010) | Item | 1 | 316,618.48 | 316,618.48 | |
| 6 | 3.10.1 | Civils | Item | 1 | 5,911.33 | 5,911.33 | |
| 7 | 3.10.1.1 | Foundations | | | | | |
| | 3.10.1.1.1 | Allowance for foundations | m2 | 30 | 137.39 | 4,121.79 | Allowance for bored piers 600mm dia. 2.0m long, 1 per 11m2 |
| 7 | 3.10.1.2 | Detailed excavation | Item | 1 | 1,789.54 | 1,789.54 | |
| | 3.10.1.2.1 | Detailed excavation | m3 | 17 | 67.19 | 1,142.30 | ring beam 800x800 |
| | 3.10.1.2.2 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 36 | 5.81 | 209.33 | |
| | 3.10.1.2.3 | Trim & compact subgrade | m2 | 30 | 14.60 | 437.91 | |
| 6 | 3.10.2 | Structural | Item | 1 | 304,041.66 | 304,041.66 | |
| 7 | 3.10.2.1 | Ring beam and base slab | m3 | 23 | 3,594.19 | 82,666.31 | |
| | 3.10.2.1.1 | Blinding | m2 | 30 | 42.86 | 1,285.70 | |
| | 3.10.2.1.2 | Membrane | m2 | 39 | 5.64 | 220.14 | |
| | 3.10.2.1.3 | Edge form 800mm high COP | m | 44 | 402.04 | 17,689.61 | |
| | 3.10.2.1.4 | Supply & fix Reinforcing | Tonnes | 5.50 | 4,364.22 | 24,003.22 | 220 kg/m3 |
| | 3.10.2.1.5 | DN200 DICL puddle flange, supply | No. | 1 | 1,800.00 | 1,800.00 | |
| | 3.10.2.1.6 | DN200 DICL puddle flange, fix | No. | 1 | 1,085.68 | 1,085.68 | |
| | 3.10.2.1.7 | Supply & place S40 concrete to slab on ground | m3 | 23 | 644.79 | 14,830.21 | ring beam 800x800, slab 300mm thick |
| | 3.10.2.1.8 | Extra over - finishing to falls | m2 | 30 | 33.93 | 1,017.82 | |
| | 3.10.2.1.9 | Formwork to kerb/upstand 200mm high COP | m | 67 | 233.58 | 15,649.81 | |
| | 3.10.2.1.10 | Supply & place S40 concrete to kerb 200 X 300 | m3 | 2 | 644.79 | 1,289.58 | |
| | 3.10.2.1.11 | 250mm wide Supercast Rearguard waterstop | m | 22 | 140.00 | 3,080.00 | |
| | 3.10.2.1.12 | Allowance for resin injection to cracks | m2 | 30 | 11.91 | 357.27 | |
| | 3.10.2.1.13 | Curing | m2 | 30 | 11.91 | 357.27 | |
| 7 | 3.10.2.2 | External Walls | m2 | 274 | 649.18 | 177,876.00 | |
| | 3.10.2.2.1 | Scaffold stretcher stairs 5.0m rise erection | No. | 2 | 3,355.00 | 6,710.00 | |
| | 3.10.2.2.2 | Scaffold stretcher stairs 5.0m rise hire | Week | 24 | 40.00 | 960.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-------------------|---|-------------|-----------|---------------------|--------------------------|---|
| | 3.10.2.2.3 | Scaffold stretcher stairs 5.0m rise removal | No. | 2 | 1,600.00 | 3,200.00 | |
| | 3.10.2.2.4 | Formwork to walls, C.O.P. class 3, >4.0m high | m2 | 92 | 371.95 | 34,219.78 | |
| | 3.10.2.2.5 | Formwork to walls, C.O.P. class 2, >4.0m high | m2 | 105 | 421.97 | 44,306.52 | Assumed external walls are suitable left as off-form concrete without paint finish due to the remote location |
| | 3.10.2.2.6 | Supply & fix reinforcing to walls | t | 9.24 | 4,364.22 | 40,325.41 | 220kg/m3 |
| | 3.10.2.2.7 | 250mm wide Supercast Rearguard waterstop | m | 22 | 140.00 | 3,080.00 | Laundry interface. Scraper floor/wall interface |
| | 3.10.2.2.8 | Supply, place & finish S40 concrete to walls | m3 | 42 | 554.83 | 23,302.78 | 400mm thick |
| | 3.10.2.2.9 | Curing | m2 | 197 | 11.91 | 2,346.06 | |
| | 3.10.2.2.10 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 92 | 87.76 | 8,073.85 | |
| | 3.10.2.2.11 | Allowance for resin injection to cracks | m2 | 197 | 11.91 | 2,346.06 | |
| | 3.10.2.2.12 | Hydrostatic testing | Item | 1 | 9,005.54 | 9,005.54 | |
| 7 | 3.10.2.3 | Access stairs & platforms | Item | 1 | 43,499.35 | 43,499.35 | |
| 8 | 3.10.2.3.1 | Stairs | MR | 5 | 8,699.87 | 43,499.35 | |
| | 3.10.2.3.1.1 | Pad footings complete | m3 | 2.30 | 1,800.00 | 4,140.00 | |
| | 3.10.2.3.1.2 | Allowance for structural steel 15-40KG/M, shop drafting, supply, fabricate, surface protection, install | t | 1.30 | 13,873.35 | 18,035.35 | Support structure to stairs |
| | 3.10.2.3.1.3 | Galvanized steel stair stringers & treads | MR | 5 | 1,665.92 | 8,329.62 | |
| | 3.10.2.3.1.4 | Webforge A325MPG mesh grating, HDG, fixed to steel trimmers | m2 | 7 | 450.00 | 3,150.00 | Walkways and landings |
| | 3.10.2.3.1.5 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 27 | 364.61 | 9,844.38 | |
| 6 | 3.10.3 | Mechanical & Process | Item | 1 | 6,665.49 | 6,665.49 | |
| 7 | 3.10.3.1 | Equipment | Item | 1 | 6,665.49 | 6,665.49 | |
| | 3.10.3.1.1 | Davit supply (equipment & personnel) | No. | 2 | 2,700.00 | 5,400.00 | |
| | 3.10.3.1.2 | Davit install | No. | 2 | 632.75 | 1,265.49 | |
| 4 | 3.11 | Sludge Dewatering (011) | Item | 1 | 1,879,262.76 | 1,879,262.76 | |
| 5 | 3.11.1 | Civils | Item | 1 | 33,326.41 | 33,326.41 | |
| 6 | 3.11.1.1 | Foundations | | | | | |
| | 3.11.1.1.1 | Allowance for foundations | m2 | 213 | 137.39 | 29,264.73 | Allowance for bored piers 600mm dia. 1 per 11m2 |
| 6 | 3.11.1.2 | Detailed excavation | Item | 1 | 4,061.68 | 4,061.68 | |
| | 3.11.1.2.1 | Detailed excavation | m3 | 12 | 67.19 | 806.33 | |
| | 3.11.1.2.2 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 25.14 | 5.81 | 146.18 | |
| | 3.11.1.2.3 | Trim & compact subgrade | m2 | 213 | 14.60 | 3,109.17 | |
| 5 | 3.11.2 | Structural | Item | 1 | 693,219.30 | 693,219.30 | |
| 6 | 3.11.2.1 | Slab on Ground | m3 | 35 | 4,664.72 | 163,265.37 | |
| | 3.11.2.1.1 | Blinding | m2 | 213 | 42.86 | 9,128.43 | |
| | 3.11.2.1.2 | Edge form - 450mm | m | 59 | 183.09 | 10,802.38 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-----------------|--|-------------|------------|-------------------|--------------------------|------------------------------|
| | 3.11.2.1.3 | Membrane | m2 | 277 | 5.64 | 1,563.55 | |
| | 3.11.2.1.4 | Supply & fix Reinforcing | Tonnes | 10.22 | 4,364.22 | 44,602.35 | 140 kg/m3 |
| | 3.11.2.1.5 | Supply & place N40 concrete to slab on ground 450mm thick | m3 | 73 | 556.96 | 40,658.26 | 500x500 edge beams, 300 slab |
| | 3.11.2.1.6 | Saw cut joints in pavement slab 30 x 6mm saw cut, sealant & backing rod | m | 22 | 27.09 | 595.92 | Inc. sikflex seal to joint |
| | 3.11.2.1.7 | Allowance for casting in spirotainer rails. Note allowance for supply of cast-ins included in spirotainer supply price | No. | 2 | 8,142.58 | 16,285.15 | |
| | 3.11.2.1.8 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 213 | 87.76 | 18,692.73 | |
| | 3.11.2.1.9 | Curing | m2 | 213 | 11.91 | 2,536.60 | |
| | 3.11.2.1.10 | Driveway | m3 | 10 | 1,840.00 | 18,400.00 | |
| 6 | 3.11.2.2 | External Walls | m2 | 339 | 820.94 | 278,300.00 | |
| | 3.11.2.2.1 | Core-filled and reinforced blockwork, 300 series including door openings | m2 | 550 | 350.00 | 192,500.00 | |
| | 3.11.2.2.2 | Paint finish to blockwork | m2 | 1,100 | 28.00 | 30,800.00 | |
| | 3.11.2.2.3 | Single door - solid core door including sheet metal to external face, paint, closer and hardware | No. | 3 | 4,500.00 | 13,500.00 | |
| | 3.11.2.2.4 | Roller shutter 3.5 x 3.5 w/ electric motor opening | No. | 2 | 6,000.00 | 12,000.00 | |
| | 3.11.2.2.5 | Roller shutter 2.5 x 4.0 w/ electric motor opening | No. | 1 | 5,500.00 | 5,500.00 | |
| | 3.11.2.2.6 | Double door 2.0m wide x 3.70m high, solid core, metal clad inc. frame & hardware | No. | 2 | 12,000.00 | 24,000.00 | |
| 6 | 3.11.2.3 | Suspended slabs | M3 | 34 | 2,729.76 | 92,811.72 | |
| | 3.11.2.3.1 | Formwork to suspended slab | m2 | 134 | 258.43 | 34,630.21 | |
| | 3.11.2.3.2 | Supply & fix Reinforcing | Tonnes | 6.01 | 4,364.22 | 26,228.98 | 180 kg/m3 |
| | 3.11.2.3.3 | Supply, place & finish N40 concrete | m3 | 33.39 | 556.96 | 18,596.98 | 250mm thick |
| | 3.11.2.3.4 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 134 | 87.76 | 11,759.75 | |
| | 3.11.2.3.5 | Curing | m2 | 134 | 11.91 | 1,595.80 | |
| 6 | 3.11.2.4 | Plinths | | | | | |
| | 3.11.2.4.1 | Concrete plinth 4.0 x 2.5 x 200mm high | No. | 2 | 6,000.00 | 12,000.00 | |
| 6 | 3.11.2.5 | Roof structure | Item | 1 | 119,960.00 | 119,960.00 | |
| | 3.11.2.5.1 | Colourbond roof sheeting fixed to steel trussed framing structure incl. safety mesh, sarking & insulation | m2 | 282 | 350.00 | 98,700.00 | |
| | 3.11.2.5.2 | Awning, colourbond inc. HDG frame over single doors | No. | 3 | 2,500.00 | 7,500.00 | |
| | 3.11.2.5.3 | Colourbond gutter 150mm dia. | m | 38 | 160.00 | 6,080.00 | |
| | 3.11.2.5.4 | 150mm dia. uPVC downpipe | m | 46 | 120.00 | 5,520.00 | |
| | 3.11.2.5.5 | Permanent roof safety anchors | No. | 4 | 390.00 | 1,560.00 | |
| | 3.11.2.5.6 | Ladder bracket | No. | 1 | 600.00 | 600.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|---------------|---|------|------|--------------|--------------------------|--|
| 6 | 3.11.2.6 | Access stairs & platforms | Item | 1 | 26,882.21 | 26,882.21 | |
| 7 | 3.11.2.6.1 | Combined access for dewatering tanks | Item | 1 | 26,882.21 | 26,882.21 | |
| | 3.11.2.6.1.1 | Structural Steel 15-40KG/M, Shop Detail/Supply/Fab/Deliver | t | 0.40 | 13,873.35 | 5,549.34 | Support structure to stairs |
| | 3.11.2.6.1.2 | Galvanized steel stair stingers & treads | MR | 4.40 | 1,665.92 | 7,330.07 | |
| | 3.11.2.6.1.3 | Webforge A325MPG mesh grating, HDG, fixed to steel trimmers | m2 | 6 | 450.00 | 2,700.00 | Walkways and landings |
| | 3.11.2.6.1.4 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 31 | 364.61 | 11,302.80 | |
| 5 | 3.11.3 | Mechanical & Process | Item | 1 | 1,152,717.05 | 1,152,717.05 | |
| 6 | 3.11.3.1 | Equipment | Item | 1 | 939,127.91 | 939,127.91 | |
| 7 | 3.11.3.1.1 | 18 POLYMER SLUDGE THICKENING/DEWATERING | | | | | |
| | 3.11.3.1.1.1 | Thickening & dewatering polymer unloading control panel | No. | 1 | 15,000.00 | 15,000.00 | |
| | 3.11.3.1.1.2 | Analyser panel - install | No. | 1 | 4,218.31 | 4,218.31 | |
| | 3.11.3.1.1.3 | Centrifuge polymer dosing injection cabinet | No. | 2 | 10,000.00 | 20,000.00 | |
| | 3.11.3.1.1.4 | Dosing cabinet install | No. | 2 | 4,218.31 | 8,436.62 | |
| | 3.11.3.1.1.5 | Dewatering polymer batching, Polyrex, Prominent | Item | 1 | 75,000.00 | 75,000.00 | |
| | 3.11.3.1.1.6 | Dewatering polymer package, install | Item | 1 | 16,873.25 | 16,873.25 | 2 men 1 week. Unsure on scope included in this package |
| | 3.11.3.1.1.7 | Dewatering polymer dosing cabinet | Item | 1 | 25,000.00 | 25,000.00 | |
| | 3.11.3.1.1.8 | Dosing cabinet install | No. | 2 | 4,218.31 | 8,436.62 | |
| | 3.11.3.1.1.9 | Dewatering polymer dosing pump | No. | 3 | 10,471.00 | 31,413.00 | |
| | 3.11.3.1.1.10 | Pump install - small | No. | 3 | 6,749.30 | 20,247.90 | |
| | 3.11.3.1.1.11 | Thickening polymer dosing cabinet | No. | 1 | 25,000.00 | 25,000.00 | |
| | 3.11.3.1.1.12 | Dosing cabinet install | No. | 1 | 4,218.31 | 4,218.31 | |
| | 3.11.3.1.1.13 | Flocculation polymer dosing pump | No. | 3 | 10,471.00 | 31,413.00 | |
| | 3.11.3.1.1.14 | Pump install - small | No. | 3 | 6,749.30 | 20,247.90 | |
| | 3.11.3.1.1.15 | Diaphragm seal DN25 - PVCS80 PVDF | No. | 6 | 350.00 | 2,100.00 | |
| | 3.11.3.1.1.16 | Y-type strainer DN25 - PVCS80 1" SS BSP | No. | 2 | 40.00 | 80.00 | |
| | 3.11.3.1.1.17 | Calibration Tube DN25 - PVCS80 5L PVC Grundfos | No. | 2 | 371.00 | 742.00 | |
| | 3.11.3.1.1.18 | Install lances, seals, strainers, calibration tube/s | Item | 1 | 5,272.89 | 5,272.89 | |
| 7 | 3.11.3.1.2 | 71 DEWATERING UNIT & CENTRATE HANDLING | | | | | |
| | 3.11.3.1.2.1 | Dewatering unit supply | No. | 2 | 189,107.00 | 378,214.00 | Based ON Centrifuge GEA Pro 3200 |
| | 3.11.3.1.2.2 | Dewatering unit install | No. | 2 | 16,873.25 | 33,746.50 | Based ON Centrifuge GEA Pro 3200 |
| | 3.11.3.1.2.3 | Cooling Fan | No. | 2 | 2,000.00 | 4,000.00 | |
| | 3.11.3.1.2.4 | Sump Pump 3kW semi-vortex | No. | 1 | 5,000.00 | 5,000.00 | |
| | 3.11.3.1.2.5 | Pump install - small | No. | 1 | 6,749.30 | 6,749.30 | |
| | 3.11.3.1.2.6 | Spirotainer STU-20 Painted MS Spirac | No. | 1 | 103,500.00 | 103,500.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|--------------|---|------|-----|------------|--------------------------|---------------------|
| | 3.11.3.1.2.7 | Spirotainer install | No. | 1 | 4,218.31 | 4,218.31 | |
| | 3.11.3.1.2.8 | Monorail crane inc. 10m travelling beam, capacity assumed 5t, fixed to roof structure | No. | 2 | 45,000.00 | 90,000.00 | assumed 5t capacity |
| 6 | 3.11.3.2 | Pipework | Item | 1 | 64,562.03 | 64,562.03 | |
| 7 | 3.11.3.2.1 | Stainless Steel Sched. 10 | | | | | |
| | 3.11.3.2.1.1 | Pipework supply DN200 SS136 S10 supply & fabricate | m | 44 | 998.42 | 43,930.68 | |
| | 3.11.3.2.1.2 | DN200 SCH 10 SS pipe & fittings above ground installation | m | 44 | 468.89 | 20,631.35 | |
| 6 | 3.11.3.3 | Valves | Item | 1 | 141,336.70 | 141,336.70 | |
| 8 | 3.11.3.3.1 | BACK PRESSURE CONTROL VALVE | | | | | |
| | 3.11.3.3.1.1 | BACK PRESSURE CONTROL VALVE, DN25, PVCS80, Seat Material 316SS | No. | 4 | 645.00 | 2,580.00 | |
| 8 | 3.11.3.3.2 | BALL VALVES | | | | | |
| | 3.11.3.3.2.1 | BALL VALVE, DN25, SS316, Sched. 10, Asmuss 3 piece ball valve Seat Material 316SS | No. | 107 | 52.98 | 5,668.86 | |
| | 3.11.3.3.2.2 | BALL VALVE, DN32, PVCS80, GF 546 Pro Seat Material, PVC / FKM | No. | 1 | 225.13 | 225.13 | |
| | 3.11.3.3.2.3 | Ball valve, DN50, SS316, sched. 10 supply | No. | 1 | 313.00 | 313.00 | |
| | 3.11.3.3.2.4 | BALL VALVE, DN80, PVCS80, GF 546 Pro Seat Material, PVC/ FKM | No. | 1 | 653.00 | 653.00 | |
| 8 | 3.11.3.3.3 | CHECK VALVES | | | | | |
| | 3.11.3.3.3.1 | CHECK VALVE, DN25, SS316, Sched. 10, GF Type 561 Seat Material, PVC / FKM | No. | 8 | 103.29 | 826.32 | |
| | 3.11.3.3.3.2 | Check valve, DN32, SS316, sched. 10 supply | No. | 1 | 759.00 | 759.00 | |
| | 3.11.3.3.3.3 | Check valve, DN50, SS316, sched. 10 supply | No. | 3 | 759.00 | 2,277.00 | |
| | 3.11.3.3.3.4 | CHECK VALVE, DN80, PVCS80, Bray Bray/Rite Seat Material 316SS | No. | 1 | 601.00 | 601.00 | |
| 8 | 3.11.3.3.4 | GATE VALVE | | | | | |
| | 3.11.3.3.4.1 | GATE VALVE, DN50, SS316, Sched. 10, Reece Dura Eagle Seat Material 316SS | No. | 4 | 206.00 | 824.00 | |
| 8 | 3.11.3.3.5 | SLIDE GATE VALVE | | | | | |
| | 3.11.3.3.5.1 | SLIDE GATE VALVE, DN100, , Seat Material 316SS | No. | 1 | 5,760.00 | 5,760.00 | |
| | 3.11.3.3.5.2 | SLIDE GATE PNEUMATIC, DN200, SS316, Sched. 10, Seat Material 316SS | No. | 2 | 44,765.00 | 89,530.00 | |
| 8 | 3.11.3.3.6 | THREE WAY VALVE | | | | | |
| | 3.11.3.3.6.1 | THREE WAY VALVE, DN50, PVCS80, Seat Material 316SS | No. | 2 | 520.00 | 1,040.00 | |
| 8 | 3.11.3.3.7 | VALVE INSTALL | | | | | |
| | 3.11.3.3.7.1 | DN25 Valve Installation | /ea | 125 | 192.63 | 24,079.04 | |
| | 3.11.3.3.7.2 | DN32 Valve Installation | /ea | 2 | 204.67 | 409.34 | |
| | 3.11.3.3.7.3 | DN50 Valve Installation | /ea | 10 | 276.91 | 2,769.09 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|--|-----------------|---|-------------|------------|-----------------|--------------------------|--|
| | 3.11.3.3.7.4 | DN80 Valve Installation | /ea | 2 | 385.26 | 770.53 | |
| | 3.11.3.3.7.5 | DN100 Valve Installation | /ea | 1 | 517.70 | 517.70 | |
| | 3.11.3.3.7.6 | DN200 Valve Installation | /ea | 2 | 866.85 | 1,733.69 | |
| 8 3.11.3.3.8 ACTUATOR INSTALL | | | | | | | |
| 6 | 3.11.3.4 | Instrumentation | Item | 1 | 7,690.41 | 7,690.41 | |
| 7 3.11.3.4.1 71 DEWATERING UNIT & CENTRATE HANDLING | | | | | | | |
| | 3.11.3.4.1.1 | Flow meter, Promag W400, DN100 and below, supply | No. | 1 | 5,764.09 | 5,764.09 | |
| | 3.11.3.4.1.2 | Electro mag-flow meter install, DN100 & below | No. | 1 | 1,926.32 | 1,926.32 | |
| 4 | 3.12 | Amenities building (012) | m2 | 398 | 2,006.38 | 798,539.82 | |
| 8 | 3.12.1 | Earthworks | m2 | 199 | 156.66 | 31,175.70 | |
| | 3.12.1.1 | Allowance for foundations | m2 | 199 | 137.39 | 27,341.22 | Allowance for bored piers 600mm dia. 1 per 11m2 |
| | 3.12.1.2 | Detailed excavation | m3 | 11.66 | 67.19 | 783.49 | |
| | 3.12.1.3 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 25.14 | 5.81 | 146.18 | |
| | 3.12.1.4 | Trim & compact subgrade | m2 | 199 | 14.60 | 2,904.81 | |
| 8 | 3.12.2 | Slab on Ground | m3 | 35 | 1,871.00 | 65,484.83 | |
| | 3.12.2.1 | Blinding | m2 | 199 | 42.86 | 8,528.44 | |
| | 3.12.2.2 | Membrane | m2 | 224 | 5.64 | 1,264.39 | |
| | 3.12.2.3 | Edge form - 450mm | m | 57 | 183.09 | 10,436.20 | |
| | 3.12.2.4 | Supply & fix Reinforcing | Tonnes | 5.36 | 4,364.22 | 23,392.23 | 140 kg/m3 |
| | 3.12.2.5 | Supply & place N40 concrete to slab on ground 450mm thick | m3 | 35 | 556.96 | 19,493.69 | 450x500 edge beams, 500 slab |
| | 3.12.2.6 | Curing | m2 | 199 | 11.91 | 2,369.88 | |
| 8 | 3.12.3 | External Walls | m2 | 339 | 629.62 | 213,441.00 | |
| | 3.12.3.1 | Brick veneer construction comprising, 100mm face brick, sarking, insulation, 90mm stud frame, plasterboard lining | m2 | 339 | 550.00 | 186,450.00 | |
| | 3.12.3.2 | Single door - solid core door including sheet metal to external face, paint, closer and hardware | No. | 1 | 4,500.00 | 4,500.00 | |
| | 3.12.3.3 | Window 1.4 x 1.8 complete | No. | 9 | 2,142.00 | 19,278.00 | |
| | 3.12.3.4 | Glazed sliding door 1.8 x 2.1 complete | No. | 1 | 3,213.00 | 3,213.00 | |
| 8 | 3.12.4 | First Floor structure | | | | | |
| | 3.12.4.1 | Allowance for first floor structure | m2 | 199 | 350.00 | 69,650.00 | |
| 8 | 3.12.5 | Roof Structure | | | | | |
| | 3.12.5.1 | Colourbond roof sheeting fixed to steel trussed framing structure incl. safety mesh, sarking & insulation | m2 | 382 | 350.00 | 133,700.00 | includings carpark and awning to Northern facade |
| | 3.12.5.2 | Awning, colourbond inc. HDG frame over single doors | No. | 1 | 2,500.00 | 2,500.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-----------------|---|-------------|------------|-------------------|--------------------------|------------------------------|
| | 3.12.5.3 | Colourbond gutter 150mm dia. | m | 59 | 160.00 | 9,440.00 | |
| | 3.12.5.4 | 150mm dia. uPVC downpipe | m | 36 | 120.00 | 4,320.00 | |
| | 3.12.5.5 | Permanent roof safety anchors | No. | 6 | 390.00 | 2,340.00 | |
| | 3.12.5.6 | Ladder bracket | No. | 1 | 600.00 | 600.00 | |
| 8 | 3.12.6 | Fitout | | | | | |
| | 3.12.6.1 | Fitout | m2 | 398 | 500.00 | 199,000.00 | |
| 8 | 3.12.7 | Electrical | m2 | 398 | 168.06 | 66,888.29 | |
| | 3.12.7.1 | Supply & Install Fire system | PCsum | 1 | 5,000.00 | 5,000.00 | |
| | 3.12.7.2 | Supply & Install Security | PCsum | 1 | 10,000.00 | 10,000.00 | |
| | 3.12.7.3 | Earthing | Lot | 1 | 2,661.88 | 2,661.88 | |
| | 3.12.7.4 | Fitout Electrical Light & Power | Lot | 1 | 19,890.72 | 19,890.72 | |
| | 3.12.7.5 | Supply & Install Air conditioning | PCSum | 1 | 15,000.00 | 15,000.00 | |
| | 3.12.7.6 | Supply & Install EV charging station | Ea | 2 | 4,379.58 | 8,759.16 | |
| | 3.12.7.7 | Supply Trench | Mtr | 10 | 120.00 | 1,200.00 | |
| | 3.12.7.8 | Supply & Install Conduit | Mtr | 10 | 98.41 | 984.15 | |
| | 3.12.7.9 | Supply & Install sweeps | Ea | 8 | 125.31 | 1,002.46 | |
| | 3.12.7.10 | Supply & Install local isolator outlet | Ea | 2 | 433.51 | 867.02 | |
| | 3.12.7.11 | Supply & Install 4c+e 6mm2 PVC/PVC | mtr | 20 | 14.20 | 284.03 | |
| | 3.12.7.12 | Terminate 4c+e 6mm2 PVC/PVC | Ea | 4 | 168.41 | 673.64 | |
| | 3.12.7.13 | Supply & Install Cat 5 cable | Mtr | 20 | 6.74 | 134.72 | |
| | 3.12.7.14 | Pre commission EV Charger | Ea | 2 | 215.26 | 430.51 | |
| 4 | 3.13 | Chemical Delivery Bund (013) | Item | 1 | 127,897.51 | 127,897.51 | |
| 5 | 3.13.1 | CIVILS | Item | 1 | 18,034.20 | 18,034.20 | |
| 6 | 3.13.1.1 | Foundations | Item | 1 | 15,937.60 | 15,937.60 | |
| | 3.13.1.1.1 | Allowance for foundations | m2 | 116 | 137.39 | 15,937.60 | |
| 6 | 3.13.1.2 | Detailed excavation | Item | 1 | 2,096.60 | 2,096.60 | |
| | 3.13.1.2.1 | Detailed excavation | m3 | 5.12 | 67.19 | 344.04 | |
| | 3.13.1.2.2 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 10.20 | 5.81 | 59.31 | |
| | 3.13.1.2.3 | Trim & compact subgrade | m2 | 116 | 14.60 | 1,693.25 | |
| 5 | 3.13.2 | STRUCTURE | Item | 1 | 106,111.49 | 106,111.49 | |
| 6 | 3.13.2.1 | Slab on ground | | | | | |
| | 3.13.2.1.1 | Blinding | m2 | 116 | 42.86 | 4,971.35 | |
| | 3.13.2.1.2 | Edge form - 500mm | m | 74.00 | 183.09 | 13,548.75 | |
| | 3.13.2.1.3 | Membrane | m2 | 140 | 5.64 | 790.24 | |
| | 3.13.2.1.4 | Supply & fix Reinforcing | Tonnes | 5.88 | 4,364.22 | 25,661.63 | 140 kg/m3 |
| | 3.13.2.1.5 | Supply & place N40 concrete to slab on ground | m3 | 42 | 556.96 | 23,392.42 | 500x500 edge beams, 300 slab |
| | 3.13.2.1.6 | Extra over - finishing to falls | m2 | 116 | 33.93 | 3,935.58 | |
| | 3.13.2.1.7 | Kerb 150 x 150 | m | 21 | 250.00 | 5,250.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-------------------|--|-------------|-----------|---------------------|--------------------------|---|
| | 3.13.2.1.8 | Rollover kerb/bund | m | 32 | 250.00 | 8,000.00 | |
| | 3.13.2.1.9 | Pit cast-instu inc. Class D grate | No. | 1 | 9,000.00 | 9,000.00 | |
| | 3.13.2.1.10 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 116 | 87.76 | 10,180.08 | |
| | 3.13.2.1.11 | Curing | m2 | 116 | 11.91 | 1,381.44 | |
| 5 | 3.13.3 | MECHANICAL | Item | 1 | 3,751.82 | 3,751.82 | |
| 6 | 3.13.3.1 | Equipment | | | | | |
| | 3.13.3.1.1 | Hose reel supply | No. | 1 | 550.00 | 550.00 | |
| | 3.13.3.1.2 | Hose reel install | No. | 1 | 843.66 | 843.66 | |
| 6 | 3.13.3.2 | Valves | | | | | |
| 8 | 3.13.3.2.1 | BUTTERFLY VALVES | | | | | |
| | 3.13.3.2.1.1 | Butterfly Valve, DN80, SS316, Sched. 10, Bray Series 3L Seat Material, Ductile iron body, 316SST disc, 431SST shaft, Vulcanised EPDM seat. | No. | 2 | 359.00 | 718.00 | |
| 8 | 3.13.3.2.2 | TEMPERATURE RELEIF VALVE | | | | | |
| | 3.13.3.2.2.1 | TEMPERATURE RELIEF VALVE, DN25, PVCS80, Pratt SEASV Seat Material, Relieves at 35degC, closes at 29degC | No. | 1 | 677.00 | 677.00 | |
| 8 | 3.13.3.2.3 | VALVE INSTALL | | | | | |
| | 3.13.3.2.3.1 | DN25 Valve Installation | /ea | 1 | 192.63 | 192.63 | |
| | 3.13.3.2.3.2 | DN80 Valve Installation | /ea | 2 | 385.26 | 770.53 | |
| 4 | 3.14 | PAC Dosing (014) | Item | 1 | 1,186,525.21 | 1,186,525.21 | |
| 5 | 3.14.1 | Civils | Item | 1 | 43,385.18 | 43,385.18 | |
| 6 | 3.14.1.1 | Foundations | Item | 1 | 36,872.15 | 36,872.15 | |
| | 3.14.1.1.1 | Bored piers 600mm dia. | m | 12 | 789.76 | 9,477.08 | Assumed 4 No. @ 3.0m long each to PAC hopper |
| | 3.14.1.1.2 | Pile caps | m3 | 2 | 2,500.00 | 5,000.00 | |
| | 3.14.1.1.3 | Allowance for foundations | m2 | 163 | 137.39 | 22,395.07 | Building |
| 6 | 3.14.1.2 | Detailed excavation | Item | 1 | 6,513.03 | 6,513.03 | |
| | 3.14.1.2.1 | Detailed excavation | m3 | 52 | 67.19 | 3,494.11 | building edge & internal beams 600x600, slab 300, bund edge & internal beams 500 x 500 slab 250 |
| | 3.14.1.2.2 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 110 | 5.81 | 639.60 | |
| | 3.14.1.2.3 | Trim & compact subgrade | m2 | 163 | 14.60 | 2,379.32 | |
| 5 | 3.14.2 | Structural | Item | 1 | 414,297.54 | 414,297.54 | |
| 6 | 3.14.2.1 | Slab on ground | m3 | 53 | 2,413.44 | 127,912.12 | |
| | 3.14.2.1.1 | Blinding | m2 | 163 | 42.86 | 6,985.61 | |
| | 3.14.2.1.2 | Edge form - 600mm | m | 44 | 183.09 | 8,056.01 | |
| | 3.14.2.1.3 | Membrane | m2 | 212 | 5.64 | 1,196.65 | |
| | 3.14.2.1.4 | Supply & fix Reinforcing | Tonnes | 8 | 4,364.22 | 34,913.78 | 140 kg/m3 |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-----------------|--|-------------|-----------|-------------------|--------------------------|---|
| | 3.14.2.1.5 | Supply & place N40 concrete to slab on ground | m3 | 51 | 556.96 | 28,405.09 | 600x600 edge beams, 300 slab |
| | 3.14.2.1.6 | Extra over for finishing to falls | m2 | 163 | 33.93 | 5,530.17 | |
| | 3.14.2.1.7 | Pit cast-instu | No. | 1 | 9,000.00 | 9,000.00 | |
| | 3.14.2.1.8 | Saw cut joints in pavement slab 30 x 6mm saw cut, sealant & backing rod | m | 34 | 27.09 | 920.97 | Inc. sikflex seal to joint |
| | 3.14.2.1.9 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 333 | 87.76 | 29,223.84 | |
| | 3.14.2.1.10 | Driveway | m3 | 2 | 1,840.00 | 3,680.00 | |
| 6 | 3.14.2.2 | Bund walls | m2 | 14 | 1,114.34 | 15,600.76 | |
| | 3.14.2.2.1 | Wall form - CL3 | m2 | 28 | 302.50 | 8,469.88 | 900mm high |
| | 3.14.2.2.2 | Supply & fix Reinforcing | Tonnes | 0.70 | 4,364.22 | 3,054.96 | 140 kg/m3 |
| | 3.14.2.2.3 | Supply, place & finish s40 concrete to walls | m3 | 5 | 748.49 | 3,742.47 | 300mm thick |
| | 3.14.2.2.4 | Curing | m2 | 28 | 11.91 | 333.45 | |
| 6 | 3.14.2.3 | Walls & Roof Structure | Item | 1 | 111,521.82 | 111,521.82 | |
| | 3.14.2.3.1 | Structural steel wall and roof framing comprising; - HD bolts, - steel columns & rafters, - bracing, - stiffeners, cleats, base plates and connections | t | 5.71 | 13,873.35 | 79,216.82 | Allowance for 35kg/m2 for steel structure |
| | 3.14.2.3.2 | Roof purlins at 1200mm centres inc. tie rods, bridging, bolting etc. | m2 | 175 | 65.00 | 11,375.00 | |
| | 3.14.2.3.3 | Wall girts at 1200mm centres inc. tie rods, bridging, bolting etc. | m2 | 322 | 65.00 | 20,930.00 | |
| 6 | 3.14.2.4 | Wall & Roof Cladding | | | | | |
| | 3.14.2.4.1 | Metal roof cladding inc. safety mesh, sarking & insulation, ridge capping, barge capping | m2 | 175 | 140.00 | 24,500.00 | |
| | 3.14.2.4.2 | Metal wall cladding including corner flashing, trims to openings | m2 | 322 | 106.00 | 34,132.00 | |
| | 3.14.2.4.3 | Awning, colourbond inc. HDG frame over single doors | No. | 2 | 2,500.00 | 5,000.00 | |
| | 3.14.2.4.4 | Roof ventilators | No. | 4 | 2,500.00 | 10,000.00 | |
| | 3.14.2.4.5 | Colourbond gutter 150mm dia. | m | 24 | 160.00 | 3,840.00 | |
| | 3.14.2.4.6 | Sump outlet | No. | 6 | 650.00 | 3,900.00 | |
| | 3.14.2.4.7 | 150mm dia. uPVC downpipe | m | 48 | 120.00 | 5,760.00 | |
| | 3.14.2.4.8 | Permanent roof safety anchors | No. | 2 | 390.00 | 780.00 | |
| | 3.14.2.4.9 | Ladder bracket | No. | 1 | 600.00 | 600.00 | |
| 6 | 3.14.2.5 | Doors | | | | | |
| | 3.14.2.5.1 | Single door - solid core door including sheet metal cladding, frame & hardware | No. | 2 | 4,500.00 | 9,000.00 | |
| | 3.14.2.5.2 | Roller shutter 3.0 x 4.5 w/ electric motor opening | No. | 1 | 8,000.00 | 8,000.00 | |
| 6 | 3.14.2.6 | Access stairs & platforms | Item | 1 | 43,750.84 | 43,750.84 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-------------------|---|-------------|----------|-------------------|--------------------------|---|
| | 3.14.2.6.1 | Allowance for structural steel 15-40KG/M, shop drafting, supply, fabricate, surface protection, install | t | 1.36 | 13,873.35 | 18,867.75 | Support structure to stairs |
| | 3.14.2.6.2 | Galvanised steel stair stingers & treads | MR | 4.10 | 1,665.92 | 6,830.29 | |
| | 3.14.2.6.3 | Walkway mesh, GRP | m2 | 15 | 450.00 | 6,750.00 | Landings & top platform |
| | 3.14.2.6.4 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 31 | 364.61 | 11,302.80 | |
| 6 | 3.14.2.7 | Fitout | | | | | |
| | 3.14.2.7.1 | Allowance for racking/shelving | Item | 1 | 10,000.00 | 10,000.00 | |
| 5 | 3.14.3 | Mechanical & Process | Item | 1 | 728,842.49 | 728,842.49 | |
| 6 | 3.14.3.1 | Equipment | Item | 1 | 672,185.30 | 672,185.30 | |
| | 3.14.3.1.1 | PAC dosing injection cabinet | No. | 1 | 10,000.00 | 10,000.00 | |
| | 3.14.3.1.2 | Cabinet/panel - install, large | No. | 1 | 4,218.31 | 4,218.31 | |
| | 3.14.3.1.3 | System process vacuum blower | No. | 1 | 3,000.00 | 3,000.00 | |
| | 3.14.3.1.4 | Hopper dust filter blower | No. | 2 | 3,000.00 | 6,000.00 | |
| | 3.14.3.1.5 | Hopper dust filter | NO. | 1 | 6,087.00 | 6,087.00 | |
| | 3.14.3.1.6 | PAC storage and batching package (Prominent) | No. | 1 | 517,250.00 | 517,250.00 | |
| | 3.14.3.1.7 | PAC package install | Item | 1 | 67,493.00 | 67,493.00 | Plug. Unsure on scope within this package |
| | 3.14.3.1.8 | Mixing tank agitator/mixer, Series 1000 (Mixtec) | No. | 1 | 4,277.00 | 4,277.00 | |
| | 3.14.3.1.9 | Tank install | No. | 1 | 8,436.62 | 8,436.62 | |
| | 3.14.3.1.10 | Mixer install | No. | 1 | 2,109.16 | 2,109.16 | |
| | 3.14.3.1.11 | Dosing pump, peristaltic, Watson Marlow | No. | 2 | 13,177.00 | 26,354.00 | |
| | 3.14.3.1.12 | Pump install - peristaltic | No. | 1 | 5,272.89 | 5,272.89 | |
| | 3.14.3.1.13 | Dosing panel | No. | 1 | 10,000.00 | 10,000.00 | |
| | 3.14.3.1.14 | Dosing panel - install | No. | 1 | 1,687.32 | 1,687.32 | |
| 6 | 3.14.3.2 | Pipework | Item | 1 | 16,936.19 | 16,936.19 | |
| 7 | 3.14.3.2.1 | PVC | | | | | |
| | 3.14.3.2.1.1 | PVC pipework DN25 Sched. 80 ABOVE ground, supply & install | m | 24 | 155.00 | 3,719.93 | |
| | 3.14.3.2.1.2 | PVC pipework DN25 Sched. 80 BELOW ground, supply & install | m | 96 | 137.67 | 13,216.26 | |
| 6 | 3.14.3.3 | Valves | Item | 1 | 39,721.00 | 39,721.00 | |
| 8 | 3.14.3.3.1 | BACK PRESSURE CONTROL VALVE | | | | | |
| | 3.14.3.3.1.1 | BACK PRESSURE CONTROL VALVE, DN25, PVC80, Seat Material 316SS | No. | 2 | 645.00 | 1,290.00 | |
| 8 | 3.14.3.3.2 | BALL VALVES | | | | | |
| | 3.14.3.3.2.1 | BALL VALVE, DN25, SS316, Sched. 10, Asmuss 3 piece ball valve Seat Material 316SS | No. | 9 | 52.98 | 476.82 | |
| | 3.14.3.3.2.2 | Ball valve, DN50, SS316, sched. 10 supply | No. | 4 | 313.00 | 1,252.00 | |
| 8 | 3.14.3.3.3 | CHECK VALVES | | | | | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|---------------|--|------|-----|--------------|--------------------------|---------|
| | 3.14.3.3.3.1 | CHECK VALVE, DN25, SS316, Sched. 10, GF Type 561 Seat Material, PVC / FKM | No. | 2 | 103.29 | 206.58 | |
| 8 | 3.14.3.3.4 | COMBINED PRESSURE RELEIF VALVES | | | | | |
| | 3.14.3.3.4.1 | COMBINED PRESSURE VACUUM RELEIF VALVE, DN50, SS316, Sched. 10, Allowance Seat Material 316SS | No. | 1 | 800.00 | 800.00 | |
| 8 | 3.14.3.3.5 | DIAPHRAGM VALVES | | | | | |
| | 3.14.3.3.5.1 | DIAPHRAGM VALVE, DN25, PVCS80, GF Type 514 Seat Material, PVC / PTFE | No. | 13 | 307.77 | 4,001.01 | |
| | 3.14.3.3.5.2 | DIAPHRAGM VALVE, DN50, SS316, Sched. 10, GF Type 514 Seat Material, PVC / PTFE | No. | 1 | 608.00 | 608.00 | |
| 8 | 3.14.3.3.6 | GATE VALVES | | | | | |
| | 3.14.3.3.6.1 | GATE VALVE, DN25, SS316, Sched. 10, Reece Dura Eagle Seat Material 316SS | No. | 1 | 94.08 | 94.08 | |
| 8 | 3.14.3.3.7 | NEEDLE VALVE | | | | | |
| | 3.14.3.3.7.1 | NEEDLE VALVE, DN50, SS316, Sched. 10, Allowance Seat Material 316SS | No. | 2 | 300.00 | 600.00 | |
| 8 | 3.14.3.3.8 | PRESSURE RELEIF VALVE | | | | | |
| | 3.14.3.3.8.1 | PRESSURE RELIEF VALVE, DN25 | No. | 2 | 385.00 | 770.00 | |
| 8 | 3.14.3.3.9 | SLIDE GATE VALVES | | | | | |
| | 3.14.3.3.9.1 | SLIDE GATE VALVE, DN100, , Seat Material 316SS | No. | 3 | 5,760.00 | 17,280.00 | |
| 8 | 3.14.3.3.10 | SOLENOID VALVE | | | | | |
| | 3.14.3.3.10.1 | Solenoid Valve, DN50, PVCS80, Burkert 228402 | No. | 2 | 1,524.00 | 3,048.00 | |
| 8 | 3.14.3.3.11 | VALVE INSTALL | | | | | |
| | 3.14.3.3.11.1 | DN25 Valve Installation | /ea | 29 | 192.63 | 5,586.34 | |
| | 3.14.3.3.11.2 | DN50 Valve Installation | /ea | 12 | 276.91 | 3,322.91 | |
| | 3.14.3.3.11.3 | DN80 Valve Installation | /ea | 1 | 385.26 | 385.26 | |
| 6 | 3.14.3.4 | Instrumentation | Item | 1 | 0.00 | | |
| | 3.14.3.4.1 | | | 1 | | Not priced | |
| 4 | 3.17 | Polymer, caustic and coagulant dosing facility (017) | Item | 1 | 2,018,819.01 | 2,018,819.01 | |
| 5 | 3.17.1 | Civils | Item | 1 | 140,676.60 | 140,676.60 | |
| 6 | 3.17.1.1 | Chemical Dilution Pit | Item | 1 | 48,121.28 | 48,121.28 | |
| c | 3.17.1.1.1 | Cast in-situ pit 2.80m dia. x 2.6m deep (internal) | | | | | |
| | 3.17.1.1.1.1 | Detailed excavation | m3 | 33 | 67.19 | 2,217.41 | |
| | 3.17.1.1.1.2 | Benching of excavation | m3 | 90 | 67.19 | 6,047.49 | |
| | 3.17.1.1.1.3 | Edge protection & access ladder hire, 2 weeks/pit | No. | 1 | 891.00 | 891.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-----------------|---|-------------|------------|-------------------|--------------------------|---|
| | 3.17.1.1.1.4 | Blinding slab 3.40 x 3.4 | No. | 1 | 536.31 | 536.31 | |
| | 3.17.1.1.1.5 | Base slab 3.20 x 3.20 x 250mm inc. 2 layers SL81 | No. | 1 | 4,370.34 | 4,370.34 | |
| | 3.17.1.1.1.6 | Drainage sump 400 x 400 x 400 | No. | 1 | 950.29 | 950.29 | |
| | 3.17.1.1.1.7 | Formwork pit walls 2.70m high | No. | 1 | 12,012.88 | 12,012.88 | |
| | 3.17.1.1.1.8 | Reinforcing bar to pit walls | No. | 1 | 7,087.50 | 7,087.50 | ASSUMED 140KG/M3, 1.57 T/PIT |
| | 3.17.1.1.1.9 | Concrete 32MPa to pit walls | No. | 1 | 4,918.06 | 4,918.06 | |
| | 3.17.1.1.1.10 | Metal grated lid inc. support beams 2.80m dia. | No. | 1 | 9,000.00 | 9,000.00 | |
| | 3.17.1.1.1.11 | Signage, aluminium engraved | No. | 1 | 90.00 | 90.00 | |
| 6 | 3.17.1.2 | Foundations | Item | 1 | 84,541.63 | 84,541.63 | Polymer, Acid & Flouride store |
| | 3.17.1.2.1 | Allowance for foundations | m2 | 429 | 137.39 | 58,941.63 | |
| | 3.17.1.2.2 | Strip footing to awming columns | m3 | 8 | 3,200.00 | 25,600.00 | |
| 6 | 3.17.1.3 | Detailed excavation | Item | 1 | 8,013.69 | 8,013.69 | Polymer, Acid & Flouride store |
| | 3.17.1.3.1 | Detailed excavation | m3 | 22 | 67.19 | 1,478.28 | |
| | 3.17.1.3.2 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 47 | 5.81 | 273.29 | |
| | 3.17.1.3.3 | Trim & compact subgrade | m2 | 429 | 14.60 | 6,262.12 | |
| 5 | 3.17.2 | Structural | Item | 1 | 857,775.68 | 857,775.68 | |
| 6 | 3.17.2.1 | Slab on ground | m3 | 89 | 2,113.66 | 188,116.03 | Polymer, Acid & Flouride store |
| | 3.17.2.1.1 | Blinding | m2 | 333 | 42.86 | 14,271.21 | |
| | 3.17.2.1.2 | Edge form - 450mm | m | 89 | 183.09 | 16,295.12 | |
| | 3.17.2.1.3 | Membrane | m2 | 433 | 5.64 | 2,444.11 | |
| | 3.17.2.1.4 | Supply & fix Reinforcing | Tonnes | 13 | 4,364.22 | 56,734.89 | 140 kg/m3 |
| | 3.17.2.1.5 | Supply & place N40 concrete to slab on ground 450mm thick | m3 | 89 | 556.96 | 49,569.66 | 500x500 edge beams, 300 slab |
| | 3.17.2.1.6 | Extra over for finishing to falls | m2 | 433 | 33.93 | 14,690.56 | |
| | 3.17.2.1.7 | Saw cut joints in pavement slab 30 x 6mm saw cut, sealant & backing rod | m | 34 | 27.09 | 920.97 | Inc. sikflex seal to joint |
| | 3.17.2.1.8 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 333 | 87.76 | 29,223.84 | |
| | 3.17.2.1.9 | Curing | m2 | 333 | 11.91 | 3,965.67 | |
| 6 | 3.17.2.2 | Bund walls | m2 | 102 | 1,015.46 | 103,576.78 | Polymer, Acid & Flouride store |
| | 3.17.2.2.1 | Wall form - CL3 | m2 | 204 | 302.50 | 61,709.14 | 1.4m high |
| | 3.17.2.2.2 | Supply & fix Reinforcing | Tonnes | 3.72 | 4,364.22 | 16,234.91 | 120 kg/m3 |
| | 3.17.2.2.3 | Supply, place & finish s40 concrete to walls | m3 | 31 | 748.49 | 23,203.31 | 300mm thick |
| | 3.17.2.2.4 | Curing | m2 | 204 | 11.91 | 2,429.42 | |
| 6 | 3.17.2.3 | Bunded Unloading Area | Item | 1 | 104,784.35 | 104,784.35 | Polymer, Acid & Flouride store |
| | 3.17.2.3.1 | Blinding | m2 | 96 | 42.86 | 4,114.22 | |
| | 3.17.2.3.2 | Edge form - 450mm | m | 44 | 183.09 | 8,056.01 | |
| | 3.17.2.3.3 | Membrane | m2 | 125 | 5.64 | 705.57 | |
| | 3.17.2.3.4 | Supply & fix Reinforcing | Tonnes | 10.22 | 4,364.22 | 44,602.35 | 140 kg/m3 |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-------------------|---|-------------|----------|-------------------|--------------------------|---|
| | 3.17.2.3.5 | Supply & place N40 concrete to slab on ground | m3 | 26 | 556.96 | 14,481.02 | 500x500 edge beams, 300 slab |
| | 3.17.2.3.6 | Extra over - finishing to falls | m2 | 96 | 33.93 | 3,257.03 | |
| | 3.17.2.3.7 | Kerb 150 x 150 | m | 16 | 250.00 | 4,000.00 | |
| | 3.17.2.3.8 | Rollover kerb/bund | m | 28 | 250.00 | 7,000.00 | |
| | 3.17.2.3.9 | Pit cast-instu inc. Class D grate | No. | 1 | 9,000.00 | 9,000.00 | |
| | 3.17.2.3.10 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 96 | 87.76 | 8,424.89 | |
| | 3.17.2.3.11 | Curing | m2 | 96 | 11.91 | 1,143.26 | |
| 6 | 3.17.2.4 | Walls & Doors | Item | 1 | 100,200.00 | 100,200.00 | Polymer, Acid & Flouride store |
| | 3.17.2.4.1 | Chainwire mesh in DN50mm gal. tube framing | m2 | 745 | 120.00 | 89,400.00 | |
| | 3.17.2.4.2 | Single leaf chainwire access gate | No. | 6 | 600.00 | 3,600.00 | |
| | 3.17.2.4.3 | Double leaf pedestrian access gate in chainlink w/ 3 rows barbed wire, padbolt & lock | No. | 6 | 1,200.00 | 7,200.00 | |
| 6 | 3.17.2.5 | Columns | | | | | Polymer, Acid & Flouride store |
| | 3.17.2.5.1 | Structural Steel 15-40KG/M, Shop Detail/Supply/Fab/Deliver | t | 3.17 | 13,873.35 | 43,978.52 | |
| 6 | 3.17.2.6 | Roof structure | Item | 1 | 194,490.00 | 194,490.00 | Polymer, Acid & Flouride store |
| | 3.17.2.6.1 | Colourbond roof sheeting fixed to steel trussed framing structure incl. safety mesh, sarking & insulation | m2 | 505 | 350.00 | 176,750.00 | |
| | 3.17.2.6.2 | Awning, colourbond inc. HDG frame over single doors | No. | 2 | 2,500.00 | 5,000.00 | |
| | 3.17.2.6.3 | Colourbond gutter 150mm dia. | m | 35 | 160.00 | 5,600.00 | |
| | 3.17.2.6.4 | 150mm dia. uPVC downpipe | m | 30 | 120.00 | 3,600.00 | |
| | 3.17.2.6.5 | Permanent roof safety anchors | No. | 6 | 390.00 | 2,340.00 | |
| | 3.17.2.6.6 | Ladder bracket | No. | 2 | 600.00 | 1,200.00 | |
| 6 | 3.17.2.7 | Access stairs & platforms | Item | 1 | 122,630.00 | 122,630.00 | Polymer, Acid & Flouride store |
| | 3.17.2.7.1 | Allowance for structural steel 15-40KG/M, shop drafting, supply, fabricate, surface protection, install | t | 4.50 | 13,873.35 | 62,430.07 | Support structure to stairs & platforms |
| | 3.17.2.7.2 | Galvanized steel stair stingers & treads | MR | 8.40 | 1,665.92 | 13,993.77 | |
| | 3.17.2.7.3 | Walkway mesh, GRP | m2 | 33 | 450.00 | 14,850.00 | Walkways and landings |
| | 3.17.2.7.4 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 86 | 364.61 | 31,356.16 | |
| 5 | 3.17.3 | Mechanical | | | | | |
| 6 | 3.17.3.1 | Equipment | Item | 1 | 695,460.39 | 695,460.39 | |
| 7 | 3.17.3.1.1 | COAGULANT | | | | | |
| | 3.17.3.1.1.1 | Coagulant injection cabinet | No. | 1 | 10,000.00 | 10,000.00 | |
| | 3.17.3.1.1.2 | Coagulant injection cabinet install | No. | 1 | 4,218.31 | 4,218.31 | |
| | 3.17.3.1.1.3 | Delivery drip tray | No. | 1 | 1,000.00 | 1,000.00 | |
| | 3.17.3.1.1.4 | Delivery drip tray install | No. | 1 | 632.75 | 632.75 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|---------------------------------------|---------------|--|------|-----|-----------|--------------------------|--|
| | 3.17.3.1.1.5 | Dosing pumps cabinet | No. | 1 | 25,000.00 | 25,000.00 | |
| | 3.17.3.1.1.6 | Dosing pumps cabinet install | No. | 1 | 4,218.31 | 4,218.31 | |
| | 3.17.3.1.1.7 | Delivery control panel | No. | 1 | 15,000.00 | 15,000.00 | |
| | 3.17.3.1.1.8 | Control panel - install | No. | 1 | 4,218.31 | 4,218.31 | |
| | 3.17.3.1.1.9 | Coagulant dosing pump Grundfos DME375 | No. | 2 | 12,500.00 | 25,000.00 | |
| | 3.17.3.1.1.10 | Pump install, small | No. | 6 | 6,749.30 | 40,495.80 | |
| | 3.17.3.1.1.11 | Bulk coagulant tank GRP 2000-17 3m dia. x 2.60m high | No. | 2 | 16,700.00 | 33,400.00 | |
| | 3.17.3.1.1.12 | Tank 3m dia. x 2.60m high - install | No. | 2 | 30,000.00 | 60,000.00 | assumed underground w/ sand backfill, tie downs, dispose spoil, access hatch |
| | 3.17.3.1.1.13 | Dosing lance - 1/2" PVDF Grundfos | No. | 2 | 400.00 | 800.00 | |
| | 3.17.3.1.1.14 | Diaphragm seal DN25 - PVCS80 PVDF | No. | 4 | 350.00 | 1,400.00 | |
| | 3.17.3.1.1.15 | Y-type strainer DN25 - PVCS80 1" SS BSP | No. | 2 | 40.00 | 80.00 | |
| | 3.17.3.1.1.16 | Calibration Tube DN25 - PVCS80 5L PVC Grundfos | No. | 1 | 371.00 | 371.00 | |
| | 3.17.3.1.1.17 | Install lances, seals, strainers, calibration tube/s | Item | 1 | 5,272.89 | 5,272.89 | |
| 7 3.17.3.1.2 POLYMER FLOCULANT | | | | | | | |
| | 3.17.3.1.2.1 | Delivery control panel | No. | 1 | 15,000.00 | 15,000.00 | |
| | 3.17.3.1.2.2 | Analyser panel - install | No. | 1 | 4,218.31 | 4,218.31 | |
| | 3.17.3.1.2.3 | Polymer package, Polyrex 0.6 Prominent | Item | 1 | 59,500.00 | 59,500.00 | |
| | 3.17.3.1.2.4 | Polymer package, install | Item | 1 | 16,873.25 | 16,873.25 | 2 men 1 week. Unsure on scope included in this package |
| | 3.17.3.1.2.5 | Floculation polymer dosing cabinet | No. | 3 | 25,000.00 | 75,000.00 | |
| | 3.17.3.1.2.6 | Floculation polymer dosing cabinet install | No. | 3 | 4,218.31 | 12,654.94 | |
| | 3.17.3.1.2.7 | Polymer dosing pump, Smart digital XL DDA 120 | No. | 9 | 10,471.00 | 94,239.00 | |
| | 3.17.3.1.2.8 | Pump install - small | No. | 6 | 6,749.30 | 40,495.80 | |
| | 3.17.3.1.2.9 | Diaphragm seal DN25 - PVCS80 PVDF | No. | 9 | 350.00 | 3,150.00 | |
| | 3.17.3.1.2.10 | Y-type strainer DN25 - PVCS80 1" SS BSP | No. | 2 | 40.00 | 80.00 | |
| | 3.17.3.1.2.11 | Calibration Tube DN25 - PVCS80 5L PVC Grundfos | No. | 3 | 371.00 | 1,113.00 | |
| | 3.17.3.1.2.12 | Install lances, seals, strainers, calibration tube/s | Item | 1 | 5,272.89 | 5,272.89 | |
| 7 3.17.3.1.3 CAUSTIC | | | | | | | |
| | 3.17.3.1.3.1 | Post caustic dosing injection cabinet | No. | 1 | 10,000.00 | 10,000.00 | |
| | 3.17.3.1.3.2 | Cabinet - install | No. | 1 | 4,218.31 | 4,218.31 | |
| | 3.17.3.1.3.3 | Dosing injection cabinet | No. | 1 | 23,000.00 | 23,000.00 | |
| | 3.17.3.1.3.4 | Cabinet install, large | No. | 1 | 4,218.31 | 4,218.31 | |
| | 3.17.3.1.3.5 | Tanker delivery drip tray | No. | 1 | 1,000.00 | 1,000.00 | |
| | 3.17.3.1.3.6 | Delivery control panel | No. | 1 | 15,000.00 | 15,000.00 | |
| | 3.17.3.1.3.7 | Delivery panel - install | No. | 1 | 4,218.31 | 4,218.31 | |
| | 3.17.3.1.3.8 | Bulk caustic tank GRP 4000-30 (Chemstore) | No. | 1 | 30,000.00 | 30,000.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|---|----------------|---|------|-------|-----------|--------------------------|---------|
| | 3.17.3.1.3.9 | Caustic dosing pump | No. | 2 | 10,471.00 | 20,942.00 | |
| | 3.17.3.1.3.10 | Pump install - small | No. | 2 | 6,749.30 | 13,498.60 | |
| | 3.17.3.1.3.11 | Diaphragm seal DN25 - PVCS80 PVDF | No. | 3 | 350.00 | 1,050.00 | |
| | 3.17.3.1.3.12 | Y-type strainer DN25 - PVCS80 1" SS BSP | No. | 1 | 40.00 | 40.00 | |
| | 3.17.3.1.3.13 | Calibration Tube DN25 - PVCS80 5L PVC Grundfos | No. | 1 | 371.00 | 371.00 | |
| | 3.17.3.1.3.14 | Dosing lance - 1/2" PVDF Grundfos | No. | 1 | 400.00 | 400.00 | |
| | 3.17.3.1.3.15 | Install lances, seals, strainers, calibration tube/s | Item | 1 | 5,272.89 | 5,272.89 | |
| | 3.17.3.1.3.16 | Safety Shower Enware ECE270 | No. | 1 | 2,050.00 | 2,050.00 | |
| | 3.17.3.1.3.17 | Safety Shower install | No. | 1 | 1,476.41 | 1,476.41 | |
| 6 3.17.3.2 Pipework | | | | | | | |
| | 3.17.3.2.1 | PVC pipework DN25 Sched. 80 ABOVE ground, supply & install | m | 262 | 155.00 | 40,609.28 | |
| | 3.17.3.2.2 | PVC pipework DN25 Sched. 80 BELOW ground, supply & install | m | 1,268 | 137.67 | 174,564.75 | |
| 6 3.17.3.3 Valves | | | | | | | |
| 7 3.17.3.3.1 COAGULANT | | | | | | | |
| 8 3.17.3.3.1.1 BACK PRESSURE CONTROL VALVE | | | | | | | |
| | 3.17.3.3.1.1.1 | BACK PRESSURE CONTROL VALVE, DN25, PVCS80, Seat Material 316SS | No. | 2 | 645.00 | 1,290.00 | |
| 8 3.17.3.3.1.2 BALL VALVES | | | | | | | |
| | 3.17.3.3.1.2.1 | Ball valve, DN25, SS316, sched. 10 supply | No. | 37 | 110.00 | 4,070.00 | |
| | 3.17.3.3.1.2.2 | Ball Valve, DN25, SS316, Sched. 10, GF Type 514 Seat Material, PVC / PTFE | No. | 2 | 225.00 | 450.00 | |
| | 3.17.3.3.1.2.3 | BALL VALVE, DN40, SS316, Sched. 10, Seat Material 316SS | No. | 4 | 225.00 | 900.00 | |
| | 3.17.3.3.1.2.4 | BALL VALVE, DN50, SS316, Sched. 10, Asmuss 3 piece ball valve Seat Material 316SS | No. | 2 | 159.00 | 318.00 | |
| | 3.17.3.3.1.2.5 | BALL VALVE, DN65, SS316, Sched. 10, Asmuss 3 piece ball valve Seat Material 316SS | No. | 6 | 661.00 | 3,966.00 | |
| 8 3.17.3.3.1.3 CHECK VALVES | | | | | | | |
| | 3.17.3.3.1.3.1 | CHECK VALVE, DN25, SS316, Sched. 10, GF Type 561 Seat Material, PVC / FKM | No. | 2 | 103.29 | 206.58 | |
| 8 3.17.3.3.1.4 PRESSURE RELEIF VALVES | | | | | | | |
| | 3.17.3.3.1.4.1 | PRESSURE RELIEF VALVE, DN25 | No. | 2 | 385.00 | 770.00 | |
| 8 3.17.3.3.1.5 THREE WAY VALVE | | | | | | | |
| | 3.17.3.3.1.5.1 | THREE WAY VALVE, DN50, PVCS80, Seat Material 316SS | No. | 1 | 520.00 | 520.00 | |
| 8 3.17.3.3.1.6 VALVE INSTALL | | | | | | | |
| | 3.17.3.3.1.6.1 | DN25 Valve Installation | /ea | 45 | 192.63 | 8,668.45 | |
| | 3.17.3.3.1.6.2 | DN50 Valve Installation | /ea | 7 | 276.91 | 1,938.36 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|---------------------|--|------|-----|--------|--------------------------|---------|
| | 3.17.3.3.1.6.3 | DN80 Valve Installation | /ea | 6 | 385.26 | 2,311.59 | |
| 8 | 3.17.3.3.1.7 | ACTUATOR INSTALL | | | | | |
| | 3.17.3.3.1.7.1 | DN25 Actuator Installation | /ea | 2 | 78.26 | 156.51 | |
| 7 | 3.17.3.3.2 | POLYMER FLOCULANT | | | | | |
| 8 | 3.17.3.3.2.1 | BACK PRESSURE CONTROL VALVE | | | | | |
| | 3.17.3.3.2.1.1 | BACK PRESSURE CONTROL VALVE, DN25, PVCS80, No. Seat Material 316SS | No. | 6 | 645.00 | 3,870.00 | |
| 8 | 3.17.3.3.2.2 | BALL VALVES | | | | | |
| | 3.17.3.3.2.2.1 | BALL VALVE, DN25, SS316, Sched. 10, Asmuss 3 piece ball valve Seat Material 316SS | No. | 2 | 52.98 | 105.96 | |
| | 3.17.3.3.2.2.2 | Ball valve, DN25, SS316, sched. 10 supply | No. | 109 | 110.00 | 11,990.00 | |
| | 3.17.3.3.2.2.3 | Ball Valve, DN25, SS316, Sched. 10, GF Type 514 Seat Material, PVC / PTFE | No. | 6 | 225.00 | 1,350.00 | |
| 8 | 3.17.3.3.2.3 | CHECK VALVES | | | | | |
| | 3.17.3.3.2.3.1 | CHECK VALVE, DN25, SS316, Sched. 10, GF Type 561 Seat Material, PVC / FKM | No. | 9 | 103.29 | 929.61 | |
| 8 | 3.17.3.3.2.4 | PRESSURE RELEIF VALVES | | | | | |
| | 3.17.3.3.2.4.1 | PRESSURE RELIEF VALVE, DN25 | No. | 9 | 385.00 | 3,465.00 | |
| 8 | 3.17.3.3.2.5 | THREE WAY VALVE | | | | | |
| | 3.17.3.3.2.5.1 | THREE WAY VALVE, DN50, PVCS80, Seat Material 316SS | No. | 3 | 520.00 | 1,560.00 | |
| 8 | 3.17.3.3.2.6 | VALVE INSTALL | | | | | |
| | 3.17.3.3.2.6.1 | DN25 Valve Installation | /ea | 159 | 192.63 | 30,628.53 | |
| | 3.17.3.3.2.6.2 | DN32 Valve Installation | /ea | 2 | 204.67 | 409.34 | |
| | 3.17.3.3.2.6.3 | DN50 Valve Installation | /ea | 3 | 276.91 | 830.73 | |
| | 3.17.3.3.2.6.4 | DN100 Valve Installation | /ea | 1 | 517.70 | 517.70 | |
| 8 | 3.17.3.3.2.7 | ACTUATOR INSTALL | | | | | |
| | 3.17.3.3.2.7.1 | DN25 Actuator Installation | /ea | 6 | 78.26 | 469.54 | |
| 7 | 3.17.3.3.3 | CAUSTIC | | | | | |
| 8 | 3.17.3.3.3.1 | BACK PRESSURE CONTROL VALVE | | | | | |
| | 3.17.3.3.3.1.1 | BACK PRESSURE CONTROL VALVE, DN25, PVCS80, No. Seat Material 316SS | No. | 2 | 645.00 | 1,290.00 | |
| 8 | 3.17.3.3.3.2 | BALL VALVES | | | | | |
| | 3.17.3.3.3.2.1 | Ball valve, DN25, SS316, sched. 10 supply | No. | 31 | 110.00 | 3,410.00 | |
| | 3.17.3.3.3.2.2 | Ball Valve, DN25, SS316, Sched. 10, GF Type 514 Seat Material, PVC / PTFE | No. | 1 | 225.00 | 225.00 | |
| | 3.17.3.3.3.2.3 | BALL VALVE, DN40, SS316, Sched. 10, Seat Material 316SS | No. | 5 | 225.00 | 1,125.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|-----------------|---|------|--------|------------|--------------------------|--|
| | 3.17.3.3.3.2.4 | BALL VALVE, DN50, SS316, Sched. 10, Asmuss 3 piece ball valve Seat Material 316SS | No. | 1 | 159.00 | 159.00 | |
| | 3.17.3.3.3.2.5 | BALL VALVE, DN80, PVC80, GF 546 Pro Seat Material, PVC/ FKM | No. | 4 | 653.00 | 2,612.00 | |
| 8 | 3.17.3.3.3.3 | CHECK VALVES | | | | | |
| | 3.17.3.3.3.3.1 | CHECK VALVE, DN25, SS316, Sched. 10, GF Type 561 Seat Material, PVC / FKM | No. | 2 | 103.29 | 206.58 | |
| 8 | 3.17.3.3.3.4 | NEEDLE VALVE | | | | | |
| | 3.17.3.3.3.4.1 | NEEDLE VALVE, DN50, SS316, Sched. 10, Allowance Seat Material 316SS | No. | 1 | 300.00 | 300.00 | |
| 8 | 3.17.3.3.3.5 | PRESSURE REGULATING VALVES | | | | | |
| | 3.17.3.3.3.5.1 | PRESSURE REGULATING VALVE, DN50, PVC80, GF Type 586 Seat Material, PVC / FKM | No. | 1 | 1,391.50 | 1,391.50 | |
| 8 | 3.17.3.3.3.6 | PRESSURE RELIEF VALVES | | | | | |
| | 3.17.3.3.3.6.1 | PRESSURE RELIEF VALVE, DN25 | No. | 3 | 385.00 | 1,155.00 | |
| 8 | 3.17.3.3.3.7 | SOLENOID VALVES | | | | | |
| | 3.17.3.3.3.7.1 | Solenoid Valve, DN50 | No. | 1 | 2,337.50 | 2,337.50 | |
| 8 | 3.17.3.3.3.8 | THREE WAY VALVE | | | | | |
| | 3.17.3.3.3.8.1 | THREE WAY VALVE, DN50, PVC80, Seat Material 316SS | No. | 1 | 520.00 | 520.00 | |
| 8 | 3.17.3.3.3.9 | VALVE INSTALL | | | | | |
| | 3.17.3.3.3.9.1 | DN25 Valve Installation | /ea | 39 | 192.63 | 7,512.66 | |
| | 3.17.3.3.3.9.2 | DN50 Valve Installation | /ea | 10 | 276.91 | 2,769.09 | |
| | 3.17.3.3.3.9.3 | DN80 Valve Installation | /ea | 4 | 385.26 | 1,541.06 | |
| 8 | 3.17.3.3.3.10 | ACTUATOR INSTALL | | | | | |
| | 3.17.3.3.3.10.1 | DN25 Actuator Installation | /ea | 1 | 78.26 | 78.26 | |
| | 3.17.3.3.3.10.2 | DN80 Actuator Installation | /ea | 3 | 469.25 | 1,407.76 | |
| 4 | 3.18 | Backwash Pump Station (018) | Item | 1 | 468,335.25 | 468,335.25 | |
| 5 | 3.18.1 | Civils | | | | | |
| | 3.18.1.1 | Earthworks inc. detailed excavation, spoil disposal, trim & compact subgrade | m2 | 108.00 | 17.63 | 1,904.04 | |
| | 3.18.1.2 | Allowance for foundations | m2 | 108 | 137.39 | 14,838.45 | Allowance for bored piers 600mm dia. 2.0m long, 1 per 11m2 |
| | 3.18.1.3 | Slab on ground | m3 | 25 | 1,840.00 | 46,000.00 | |
| | 3.18.1.4 | Driveway | m3 | 5 | 1,840.00 | 9,200.00 | |
| 5 | 3.18.2 | Structural | | | | | |
| 6 | 3.18.2.1 | Structural Steel | | | | | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|---|------------|--|------|------|------------|--------------------------|--|
| | 3.18.2.1.1 | Structural steel wall and roof framing comprising; - HD bolts, - steel columns & rafters, - bracing, - stiffeners, cleats, base plates and connections | t | 3.78 | 13,873.35 | 52,441.26 | Allowance for 35kg/m2 for steel structure |
| | 3.18.2.1.2 | Roof purlins at 1200mm centres inc. tie rods, bridging, bolting etc. | m2 | 108 | 65.00 | 7,020.00 | |
| | 3.18.2.1.3 | Wall girts at 1200mm centres inc. tie rods, bridging, bolting etc. | m2 | 185 | 65.00 | 12,025.00 | |
| 6 3.18.2.2 Roofing and Cladding | | | | | | | |
| | 3.18.2.2.1 | Metal roof cladding inc. safety mesh, sarking & insulation, ridge capping, barge capping | m2 | 108 | 140.00 | 15,120.00 | |
| | 3.18.2.2.2 | Awning, colourbond inc. HDG frame over single doors | No. | 2 | 2,500.00 | 5,000.00 | |
| | 3.18.2.2.3 | Awning, colourbond inc. HDG frame over single doors | No. | 2 | 2,500.00 | 5,000.00 | |
| | 3.18.2.2.4 | Roof ventilators | No. | 2 | 2,500.00 | 5,000.00 | |
| | 3.18.2.2.5 | Metal wall cladding including corner flashing, trims to openings | m2 | 185 | 106.00 | 19,610.00 | |
| | 3.18.2.2.6 | Colourbond gutter 150mm dia. | m | 18 | 160.00 | 2,880.00 | |
| | 3.18.2.2.7 | 150mm dia. uPVC downpipe | m | 25 | 120.00 | 3,000.00 | |
| | 3.18.2.2.8 | Permanent roof safety anchors | No. | 4 | 390.00 | 1,560.00 | |
| | 3.18.2.2.9 | Ladder bracket | No. | 1 | 600.00 | 600.00 | |
| 6 3.18.2.3 Doors | | | | | | | |
| | 3.18.2.3.1 | Roller shutter 3.45 x 4.50 w/ electric motor opening | No. | 1 | 8,000.00 | 8,000.00 | |
| | 3.18.2.3.2 | Single door - solid core door including sheet metal to external face, paint, closer and hardware | No. | 1 | 4,500.00 | 4,500.00 | |
| 6 3.18.2.4 Internal Fitout | | | | | | | |
| | 3.18.2.4.1 | Concrete plinth 3.0 x 1.50 x 200mm high | No. | 2 | 2,700.00 | 5,400.00 | |
| | 3.18.2.4.2 | Allowance for racking/shelving | Item | 1 | 10,000.00 | 10,000.00 | |
| 5 3.18.3 Mechanical | | | | | | | |
| 6 3.18.3.1 Equipment | | | | | | | |
| | 3.18.3.1.1 | Backwash pump, e-XC450-370/1600W/W45BCS4AG Lowarra-Xylem | No. | 2 | 102,745.00 | 205,490.00 | |
| | 3.18.3.1.2 | Pump install, medium | No. | 2 | 16,873.25 | 33,746.50 | |
| 4 3.19 Electrical Switchroom 2 (019) | | | | | | | |
| 6 3.19.1 Civil | | | | | | | |
| 7 3.19.1.1 Foundations | | | | | | | |
| | 3.19.1.1.1 | Allowance for foundations | m2 | 116 | 137.39 | 15,937.60 | Allowance for bored piers 600mm dia. 2.0m long, 1 per 11m2 |
| 7 3.19.1.2 Detailed excavation | | | | | | | |
| | 3.19.1.2.1 | Excavation to setdown | m3 | 106 | 14.05 | 1,489.51 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-----------------|--|-----------|-----------|-----------------|--------------------------|---|
| | 3.19.1.2.2 | Detailed excavation | m3 | 15 | 67.19 | 1,007.92 | 800 x 800 edge & internal beam |
| | 3.19.1.2.3 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 255 | 5.81 | 1,482.72 | |
| | 3.19.1.2.4 | Trim & compact subgrade | m2 | 116 | 14.60 | 1,693.25 | |
| 7 | 3.19.1.3 | Slab on ground | m3 | 44 | 1,934.43 | 85,114.72 | |
| | 3.19.1.3.1 | Blinding | m2 | 116 | 42.86 | 4,971.35 | |
| | 3.19.1.3.2 | Edge form - 700mm | m | 51 | 183.09 | 9,337.65 | |
| | 3.19.1.3.3 | Membrane | m2 | 163 | 5.64 | 920.07 | |
| | 3.19.1.3.4 | Supply & fix Reinforcing | Tonnes | 6.16 | 4,364.22 | 26,883.61 | 140 kg/m3 |
| | 3.19.1.3.5 | Earthing connection and welding of reinforcing | No. | 4 | 642.65 | 2,570.59 | |
| | 3.19.1.3.6 | Supply & place N40 concrete to slab on ground 450mm thick | m3 | 44 | 556.96 | 24,506.35 | 700x300 edge & internal beams, 250 slab |
| | 3.19.1.3.7 | Saw cut joints in pavement slab 30 x 6mm saw cut, sealant & backing rod | m | 32.80 | 27.09 | 888.46 | Inc. sikflex seal to joint |
| | 3.19.1.3.8 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 116 | 87.76 | 10,180.08 | |
| | 3.19.1.3.9 | Curing | m2 | 116 | 11.91 | 1,381.44 | |
| | 3.19.1.3.10 | Footpath 1.20m wide, 75mm thick, 1 layer SL72 mesh on 50mm sand basecourse | m2 | 27 | 128.71 | 3,475.12 | |
| 7 | 3.19.1.4 | Upstand walls | m2 | 30 | 1,410.56 | 42,316.66 | |
| | 3.19.1.4.1 | Wall form - CL3 | m2 | 60 | 302.50 | 18,149.75 | 600mm high |
| | 3.19.1.4.2 | Formwork to blockout circumference <2.0m | No. | 4 | 1,774.61 | 7,098.43 | |
| | 3.19.1.4.3 | Formwork rebate to top of wall 150 x 90 | m | 50 | 82.37 | 4,118.57 | |
| | 3.19.1.4.4 | Supply & fix Reinforcing | Tonnes | 1.26 | 4,364.22 | 5,498.92 | 140 kg/m3 |
| | 3.19.1.4.5 | Supply, place & finish s40 concrete to walls | m3 | 9 | 748.49 | 6,736.45 | 300mm thick |
| | 3.19.1.4.6 | Curing | m2 | 60 | 11.91 | 714.54 | |
| 7 | 3.19.1.5 | Walls & Doors | | | | | |
| | 3.19.1.5.1 | Corefilled and reinforced blockwork, 200 series including door openings | m2 | 174 | 300.00 | 52,200.00 | |
| | 3.19.1.5.2 | Paint finish to blockwork | m2 | 348 | 28.00 | 9,744.00 | |
| | 3.19.1.5.3 | Single door - 3hr fire rated, frame & hardware, paint finish | No. | 1 | 5,000.00 | 5,000.00 | |
| | 3.19.1.5.4 | Double door - 3hr fire rated, frame & hardware, paint finish | No. | 1 | 7,000.00 | 7,000.00 | |
| 7 | 3.19.1.6 | Roof Structure & cladding | | | | | |
| | 3.19.1.6.1 | Colourbond roof sheeting fixed to and including steel trussed framing structure incl. 1 layer insulation | m2 | 200 | 350.00 | 70,000.00 | |
| | 3.19.1.6.2 | Eaves lining, FC sheeting + paint | m2 | 70 | 160.00 | 11,200.00 | |
| | 3.19.1.6.3 | Awning, colourbond inc. HDG frame over single doors | No. | 1 | 2,500.00 | 2,500.00 | |
| | 3.19.1.6.4 | Awning, colourbond inc. HDG frame over double doors | No. | 1 | 3,224.00 | 3,224.00 | |
| | 3.19.1.6.5 | 150mm dia. uPVC downpipe | m | 23 | 120.00 | 2,760.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-----------------|---|-------------|------------|---------------------|--------------------------|--|
| | 3.19.1.6.6 | Colourbond gutter 150mm dia. | m | 40 | 160.00 | 6,400.00 | |
| 7 | 3.19.1.7 | Fitout | m2 | 132 | 527.88 | 69,680.00 | |
| | 3.19.1.7.1 | Allowance for 2hr rated ceiling complete | m2 | 104 | 320.00 | 33,280.00 | |
| | 3.19.1.7.2 | Raised access floor | m2 | 104 | 350.00 | 36,400.00 | |
| 6 | 3.19.2 | Electrical | Item | 1 | 1,943,087.62 | 1,943,087.62 | |
| | 3.19.3 | Supply & Install MCC 02001 | Ea | 1 | 569,919.05 | 569,919.05 | Reduced price on MCC due to reduced size of MCC. |
| | 3.19.4 | Supply & Install PLC Panel 2001 | Ea | 1 | 250,000.00 | 250,000.00 | |
| | 3.19.5 | Supply & Install Active Harmonic Filter | Ea | 1 | 63,679.50 | 63,679.50 | |
| | 3.19.6 | Supply & Install MCC 04001 | Ea | 1 | 449,919.05 | 449,919.05 | Reduced price on MCC due to reduced size of MCC. |
| | 3.19.7 | Supply & Install PLC Panel 3001 | Ea | 1 | 150,000.00 | 150,000.00 | |
| | 3.19.8 | Supply & Install DB's - 4 off | Lot | 1 | 40,220.16 | 40,220.16 | |
| | 3.19.9 | Supply & Install VSD's- 7 off | Lot | 1 | 34,931.48 | 34,931.48 | |
| | 3.19.10 | Supply & Install DB's - 5 off | Ea | 1 | 50,275.20 | 50,275.20 | |
| | 3.19.11 | Supply & Install Remote switching Panel | Ea | 1 | 11,070.65 | 11,070.65 | |
| | 3.19.12 | Supply & Install VSD's- 50 off | Lot | 1 | 175,502.66 | 175,502.66 | |
| | 3.19.13 | Supply & Install UPS-2000 5KVA | Lot | 1 | 30,059.50 | 30,059.50 | |
| | 3.19.14 | Supply & Install VESDA | PCsum | 1 | 25,000.00 | 25,000.00 | |
| | 3.19.16 | Supply & Install Fire system | PCsum | 1 | 10,000.00 | 10,000.00 | |
| | 3.19.17 | Supply & Install Security | PCsum | 1 | 8,000.00 | 8,000.00 | |
| | 3.19.18 | Supply & Install Cable support systems | Lot | 1 | 57,289.89 | 57,289.89 | |
| | 3.19.19 | Pre commissioning of Switchroom | Lot | 1 | 17,220.48 | 17,220.48 | |
| 6 | 3.19.3 | Mechanical | | | | | |
| | 3.19.3.1 | Split system air-conditioner, 8kW | No. | 3 | 10,000.00 | 30,000.00 | |
| 4 | 3.20 | Incoming Transformer (020) | Item | 1 | 452,232.89 | 452,232.89 | |
| 5 | 3.20.1 | Civils | | | | | |
| 6 | 3.20.1.1 | Foundations | Item | 1 | 3,293.41 | 3,293.41 | |
| | 3.20.1.1.1 | Allowance for foundations | m2 | 18 | 137.39 | 2,473.08 | Allowance for bored piers 600mm dia. 1 per 11m2 |
| | 3.20.1.1.2 | Detailed excavation | m3 | 7 | 67.19 | 470.36 | |
| | 3.20.1.1.3 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 15 | 5.81 | 87.22 | |
| | 3.20.1.1.4 | Trim & compact subgrade | m2 | 18 | 14.60 | 262.75 | |
| 6 | 3.20.1.2 | Slab on ground | m3 | 7 | 8,563.57 | 59,944.98 | |
| | 3.20.1.2.1 | Blinding | m2 | 18 | 42.86 | 771.42 | |
| | 3.20.1.2.2 | Edge form - 300mm | m | 18 | 183.09 | 3,295.64 | |
| | 3.20.1.2.3 | Membrane | m2 | 26 | 5.64 | 146.76 | |
| | 3.20.1.2.4 | Supply & fix Reinforcing | Tonnes | 10.36 | 4,364.22 | 45,213.34 | 140 kg/m3 |
| | 3.20.1.2.5 | Supply & place N40 concrete to slab on ground | m3 | 7 | 556.96 | 3,898.74 | 300x300 edge beams, 150 slab |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-----------------|--|-------------|-----------|-------------------|--------------------------|--|
| | 3.20.1.2.6 | Saw cut joints in pavement slab 30 x 6mm saw cut, sealant & backing rod | m | 12 | 27.09 | 325.05 | Inc. sikflex seal to joint |
| | 3.20.1.2.7 | Kerb 150 x 150 | m | 18 | 250.00 | 4,500.00 | |
| | 3.20.1.2.8 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 18 | 87.76 | 1,579.67 | |
| | 3.20.1.2.9 | Curing | m2 | 18 | 11.91 | 214.36 | |
| 5 | 3.20.2 | Electrical | | | | | |
| | 3.20.2.1 | Earthing of TXF foundation | Ea | 1 | 4,729.61 | 4,729.61 | |
| | 3.20.2.2 | Pre commission TXF | Ea | 1 | 9,264.89 | 9,264.89 | |
| | 3.20.2.3 | Allowance for transformer | Item | 1 | 375,000.00 | 375,000.00 | |
| 4 | 3.21 | Storage Shed (021) | m2 | 91 | 1,967.52 | 179,044.08 | |
| | 3.21.1 | Earthworks inc. detailed excavation, spoil disposal, trim & compact subgrade | m2 | 91 | 17.63 | 1,604.33 | |
| | 3.21.2 | Allowance for foundations | m2 | 91 | 137.39 | 12,502.77 | Allowance for bored piers 600mm dia. 2.0m long, 1 per 11m2 |
| | 3.21.3 | Slab on ground | m3 | 20 | 1,840.00 | 36,800.00 | |
| | 3.21.4 | Structural steel wall and roof framing comprising; - HD bolts, - steel columns & rafters, - bracing, - stiffeners, cleats, base plates and connections | t | 3.19 | 13,873.35 | 44,255.98 | Allowance for 35kg/m2 for steel structure |
| | 3.21.5 | Roof purlins at 1200mm centres inc. tie rods, bridging, bolting etc. | m2 | 91 | 65.00 | 5,915.00 | |
| | 3.21.6 | Wall girts at 1200mm centres inc. tie rods, bridging, bolting etc. | m2 | 142 | 65.00 | 9,230.00 | |
| | 3.21.7 | Metal roof cladding inc. safety mesh, sarking & insulation, ridge capping, barge capping | m2 | 105 | 140.00 | 14,700.00 | |
| | 3.21.8 | Awning, colourbond inc. HDG frame over single doors | No. | 2 | 2,500.00 | 5,000.00 | |
| | 3.21.9 | Metal wall cladding including corner flashing, trims to openings | m2 | 136 | 106.00 | 14,416.00 | |
| | 3.21.10 | Colourbond gutter 150mm dia. | m | 26 | 160.00 | 4,160.00 | |
| | 3.21.11 | 150mm dia. uPVC downpipe | m | 21 | 120.00 | 2,520.00 | |
| | 3.21.12 | Permanent roof safety anchors | No. | 6 | 390.00 | 2,340.00 | |
| | 3.21.13 | Ladder bracket | No. | 1 | 600.00 | 600.00 | |
| | 3.21.14 | Roller shutter 3.0 x 3.0 w/ electric motor opening | No. | 3 | 5,000.00 | 15,000.00 | |
| | 3.21.15 | Allowance for racking/shelving | Item | 1 | 10,000.00 | 10,000.00 | |
| 4 | 3.22 | Septic System (22) | Item | 1 | 30,000.00 | 30,000.00 | |
| | 3.22.1 | Supply & installation of an AWTS including disposal area | Item | 1 | 30,000.00 | 30,000.00 | Estimate provided by CVC |
| 4 | 3.23 | Supernatant Return Tank and Pump Station (023) | Item | 1 | 434,265.23 | 434,265.23 | |
| 6 | 3.23.1 | Civils | Item | 1 | 5,522.87 | 5,522.87 | |
| 7 | 3.23.1.1 | Foundations | | | | | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-----------------|---|-------------|-----------|-------------------|--------------------------|---|
| | 3.23.1.1.1 | Allowance for foundations | m2 | 29 | 137.39 | 3,984.40 | Allowance for bored piers 600mm dia. 2.0m long, 1 per 11m2 |
| 7 | 3.23.1.2 | Detailed excavation | Item | 1 | 1,538.47 | 1,538.47 | |
| | 3.23.1.2.1 | Detailed excavation | m3 | 14 | 67.19 | 940.72 | ring beam 800x800 |
| | 3.23.1.2.2 | Cart & dispose spoil [ASSUME VENM] | Tonnes | 30 | 5.81 | 174.44 | |
| | 3.23.1.2.3 | Trim & compact subgrade | m2 | 29 | 14.60 | 423.31 | |
| 6 | 3.23.2 | Structural | Item | 1 | 179,150.32 | 179,150.32 | |
| 7 | 3.23.2.1 | Ring beam and base slab | m3 | 11 | 3,741.03 | 41,151.33 | |
| | 3.23.2.1.1 | Blinding | m2 | 29 | 42.86 | 1,242.84 | |
| | 3.23.2.1.2 | Membrane | m2 | 38 | 5.64 | 214.49 | |
| | 3.23.2.1.3 | Edge form 600mm high COP | m | 19 | 402.04 | 7,638.69 | |
| | 3.23.2.1.4 | Supply & fix Reinforcing | Tonnes | 2.64 | 4,364.22 | 11,521.55 | 220 kg/m3 |
| | 3.23.2.1.5 | Supply & place S40 concrete to slab on ground | m3 | 10 | 644.79 | 6,447.92 | ring beam 600x600, slab 300mm thick |
| | 3.23.2.1.6 | Formwork to kerb/upstand 200mm high COP | m | 42 | 233.58 | 9,810.33 | |
| | 3.23.2.1.7 | Supply & place S40 concrete to kerb 200 X 300 | m3 | 1 | 644.79 | 644.79 | |
| | 3.23.2.1.8 | 250mm wide Supercast Rearguard waterstop | m | 21 | 140.00 | 2,940.00 | |
| | 3.23.2.1.9 | Allowance for resin injection to cracks | m2 | 29 | 11.91 | 345.36 | |
| | 3.23.2.1.10 | Curing | m2 | 29 | 11.91 | 345.36 | |
| 7 | 3.23.2.2 | Pump & LCS Slab | m3 | 4 | 2,930.29 | 11,721.16 | |
| | 3.23.2.2.1 | Blinding | m2 | 24 | 42.86 | 1,028.56 | |
| | 3.23.2.2.2 | Edge form - 300mm | m | 20 | 183.09 | 3,661.82 | |
| | 3.23.2.2.3 | Membrane | m2 | 32 | 5.64 | 180.63 | |
| | 3.23.2.2.4 | Supply & fix Reinforcing | Tonnes | 0.48 | 4,364.22 | 2,094.83 | 120 kg/m3 |
| | 3.23.2.2.5 | Supply & place N40 concrete to slab on ground | m3 | 4 | 556.96 | 2,227.85 | 300x300 edge beams, 150 slab |
| | 3.23.2.2.6 | Saw cut joints in pavement slab 30 x 6mm saw cut, sealant & backing rod | m | 5 | 27.09 | 135.44 | Inc. sikflex seal to joint |
| | 3.23.2.2.7 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 24 | 87.76 | 2,106.22 | |
| | 3.23.2.2.8 | Curing | m2 | 24 | 11.91 | 285.81 | |
| 7 | 3.23.2.3 | External Walls | m2 | 48 | 1,862.72 | 89,410.70 | |
| | 3.23.2.3.1 | Scaffold stretcher stairs 5.0m rise erection | No. | 2 | 3,355.00 | 6,710.00 | |
| | 3.23.2.3.2 | Scaffold stretcher stairs 5.0m rise hire | Week | 24 | 40.00 | 960.00 | |
| | 3.23.2.3.3 | Scaffold stretcher stairs 5.0m rise removal | No. | 2 | 1,600.00 | 3,200.00 | |
| | 3.23.2.3.4 | Formwork to walls, C.O.P. class 3, >4.0m high | m2 | 44 | 371.95 | 16,365.98 | |
| | 3.23.2.3.5 | Formwork to walls, C.O.P. class 2, >4.0m high | m2 | 48 | 421.97 | 20,254.41 | Assumed external walls are suitable left as off-form concrete without paint finish due to the remote location |
| | 3.23.2.3.6 | DN200 DICL puddle flange, supply | No. | 1 | 1,800.00 | 1,800.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-------------------|---|-------------|----------|-------------------|--------------------------|---|
| | 3.23.2.3.7 | DN200 DICL puddle flange, fix | No. | 1 | 1,085.68 | 1,085.68 | |
| | 3.23.2.3.8 | Supply & fix reinforcing to walls | t | 3.08 | 4,364.22 | 13,441.80 | 220kg/m3 |
| | 3.23.2.3.9 | 250mm wide Supercast Rearguard waterstop | m | 21 | 140.00 | 2,940.00 | Launder interface. Scraper floor/wall interface |
| | 3.23.2.3.10 | Supply, place & finish S40 concrete to walls | m3 | 14 | 554.83 | 7,767.59 | 400mm thick |
| | 3.23.2.3.11 | Curing | m2 | 92 | 11.91 | 1,095.62 | |
| | 3.23.2.3.12 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 48 | 87.76 | 4,212.45 | |
| | 3.23.2.3.13 | Allowance for resin injection to cracks | m2 | 48 | 11.91 | 571.63 | |
| | 3.23.2.3.14 | Hydostatic testing | Item | 1 | 9,005.54 | 9,005.54 | |
| 7 | 3.23.2.4 | Access stairs & platforms | Item | 1 | 36,867.13 | 36,867.13 | |
| | 3.23.2.4.1 | Pad footings complete | m3 | 3 | 1,800.00 | 5,400.00 | |
| | 3.23.2.4.2 | Allowance for structural steel 15-40KG/M, shop drafting, supply, fabricate, surface protection, install | t | 1.20 | 13,873.35 | 16,648.02 | Support structure to stairs |
| | 3.23.2.4.3 | Galvanized steel stair stingers & treads | MR | 3 | 1,665.92 | 4,997.77 | |
| | 3.23.2.4.4 | Webforge A325MPG mesh grating, HDG, fixed to steel trimmers | m2 | 4 | 450.00 | 1,800.00 | Walkways and landings |
| | 3.23.2.4.5 | Handrails, comprising, toe board, midrail & handrail supply & install | m | 22 | 364.61 | 8,021.34 | |
| 6 | 3.23.3 | Mechanical & Process | Item | 1 | 249,592.04 | 249,592.04 | |
| 7 | 3.23.3.1 | Equipment | Item | 1 | 48,390.51 | 48,390.51 | |
| | 3.23.3.1.1 | Tank Mixer 1.5kW Sub Mixer - AMD.07.18 Grundfos | No. | 2 | 3,100.00 | 6,200.00 | |
| | 3.23.3.1.2 | Mixer install | No. | 1 | 2,109.16 | 2,109.16 | |
| | 3.23.3.1.3 | Supernatant Return Pump 1 IXPC150-125-250B110P45BDN4S1G Lowara-Xylem | No. | 2 | 11,625.00 | 23,250.00 | |
| | 3.23.3.1.4 | Pump install, small | No. | 2 | 6,749.30 | 13,498.60 | |
| | 3.23.3.1.5 | Davit supply (equipment & personnel) | No. | 1 | 2,700.00 | 2,700.00 | |
| | 3.23.3.1.6 | Davit install | No. | 1 | 632.75 | 632.75 | |
| 7 | 3.23.3.2 | Pipework | Item | 1 | 7,611.53 | 7,611.53 | |
| | 3.23.3.2.1 | HDPE DN200 pipework BELOW ground, supply & install | m | 23 | 265.54 | 6,107.52 | |
| | 3.23.3.2.2 | DN200 HDPE Pipe & Fittings AG Installation | m | 2 | 752.00 | 1,504.01 | |
| 7 | 3.23.3.3 | Valves | | | | | |
| 8 | 3.23.3.3.1 | BALL VALVES | | | | | |
| | 3.23.3.3.1.1 | Ball valve, DN25, SS316, sched. 10 supply | No. | 7 | 110.00 | 770.00 | |
| | 3.23.3.3.1.2 | BALL VALVE, DN50, SS316, Sched. 10, Asmuss 3 piece ball valve Seat Material 316SS | No. | 2 | 159.00 | 318.00 | |
| 8 | 3.23.3.3.2 | GATE VALVES | | | | | |
| | 3.23.3.3.2.1 | GATE VALVE, DN50, SS316, Sched. 10, Reece Dura Eagle Seat Material 316SS | No. | 1 | 206.00 | 206.00 | |
| | 3.23.3.3.2.2 | GATE VALVE, DN750, DICL, AVK S55/80 Seat Material 316SS | No. | 3 | 58,595.00 | 175,785.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|---------------|---|--------|------|--------------|--------------------------|------------------------------|
| 8 | 3.23.3.3.3 | PINCH VALVE | | | | | |
| | 3.23.3.3.3.1 | PINCH VALVE, DN25, SS316, Sched. 10 | No. | 3 | 418.00 | 1,254.00 | |
| 8 | 3.23.3.3.4 | PRESSURE REGULATING VALVE | | | | | |
| | 3.23.3.3.4.1 | PRESSURE REGULATING VALVE, DN25, PVCS80, GF Type 586 Seat Material, PVC / FKM | No. | 1 | 536.00 | 536.00 | |
| | 3.23.3.3.4.2 | DN25 Valve Installation | /ea | 11 | 192.63 | 2,118.96 | |
| | 3.23.3.3.4.3 | DN50 Valve Installation | /ea | 3 | 276.91 | 830.73 | |
| | 3.23.3.3.4.4 | DN750 Valve Installation | /ea | 3 | 3,923.77 | 11,771.31 | |
| 7 | 3.23.3.4 | Instrumentation | Item | 1 | 0.00 | | |
| 4 | 3.24 | Centrate Return tank and Pump Station (024) | Item | 1 | 60,924.56 | 60,924.56 | |
| 5 | 3.24.1 | Civil | | | | | |
| 6 | 3.24.1.1 | Return Tank/pit | | | | | |
| c | 3.24.1.1.1 | Cast in-situ pit 2.80m dia. x 2.30m deep (internal) | | | | | |
| | 3.24.1.1.1.1 | Detailed excavation | m3 | 37 | 67.19 | 2,486.19 | |
| | 3.24.1.1.1.2 | Benching of excavation | m3 | 100 | 67.19 | 6,719.43 | |
| | 3.24.1.1.1.3 | Edge protection & access ladder hire, 2 weeks/pit | No. | 1 | 891.00 | 891.00 | |
| | 3.24.1.1.1.4 | Blinding slab 3.40 x 3.4 | No. | 1 | 536.31 | 536.31 | |
| | 3.24.1.1.1.5 | Base slab 3.20 x 3.20 x 250mm inc. 2 layers SL81 | No. | 1 | 4,370.34 | 4,370.34 | |
| | 3.24.1.1.1.6 | Formwork pit walls 2.80m high | No. | 1 | 12,012.88 | 12,012.88 | |
| | 3.24.1.1.1.7 | Reinforcing bar to pit walls | No. | 1 | 7,087.50 | 7,087.50 | ASSUMED 140KG/M3, 1.57 T/PIT |
| | 3.24.1.1.1.8 | Concrete 32MPa to pit walls | No. | 1 | 4,918.06 | 4,918.06 | |
| | 3.24.1.1.1.9 | Metal grated lid inc. support beams 2.80m dia. | No. | 1 | 9,000.00 | 9,000.00 | |
| | 3.24.1.1.1.10 | Signage, aluminium engraved | No. | 1 | 90.00 | 90.00 | |
| 6 | 3.24.1.2 | Valve & LCS slab | m3 | 3 | 4,270.95 | 12,812.85 | North of Blower Room |
| | 3.24.1.2.1 | Blinding | m2 | 14 | 42.86 | 599.99 | |
| | 3.24.1.2.2 | Edge form - 300mm | m | 16 | 183.09 | 2,929.46 | |
| | 3.24.1.2.3 | Membrane | m2 | 19 | 5.64 | 107.25 | |
| | 3.24.1.2.4 | Supply & fix Reinforcing | Tonnes | 1.40 | 4,364.22 | 6,109.91 | 140 kg/m3 |
| | 3.24.1.2.5 | Supply & place N40 concrete to slab on ground | m3 | 3 | 556.96 | 1,670.89 | 300x300 edge beams, 150 slab |
| | 3.24.1.2.6 | Allowance for setdowns, cast-ins, penetrations not yet detailed | m2 | 14 | 87.76 | 1,228.63 | |
| | 3.24.1.2.7 | Curing | m2 | 14 | 11.91 | 166.72 | |
| 4 | 3.25 | Site Wide Electrical | Item | 1 | 5,864,792.16 | 5,864,792.16 | |
| c | 3.25.1 | Refer Direct Costs ==> Electrical Switchroom 1(003) | | | | | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|---|------------|---|------------|----------|-------------------|--------------------------|---|
| c | 3.25.2 | Refer Direct Costs ==> Electrical Switchroom 2 (019) | | | | | |
| c | 3.25.3 | Refer; Directs Costs ==> Amenities building (012) | | | | | |
| 5 3.25.1 Field installation of LCS's | | | Sum | 1 | 64,250.71 | 64,250.71 | |
| | 3.25.1.1 | Supply & Installation of LCS - 0045 | Ea | 106 | | Not priced | |
| | 3.25.1.2 | Supply & Installation of LCS - 0110 | Ea | 6 | 5,418.25 | 32,509.48 | |
| | 3.25.1.3 | Supply & Installation of LCS - 0200 | Ea | 5 | 6,348.25 | 31,741.23 | |
| 5 3.25.2 Pits | | | Sum | 1 | 97,615.65 | 97,615.65 | |
| | 3.25.2.1 | Pit 900 X 900 X 1200 w/ concrete lid, sand bedding & backfill, cast-in bellmouth conduits, agg. drain surround + 3m tail | No. | 25 | 3,904.63 | 97,615.65 | dimensions of 900 x 900 x 1200 assumed based on an average pit size typical for WTP's and qty of conduits in conduit schedule |
| 5 3.25.3 Conduits | | | Sum | 1 | 364,468.64 | 364,468.64 | |
| c | 3.25.3.1 | Conduit lengths and pit configurations are based on Cowarra WTP | | | | | |
| | 3.25.3.1.1 | LV/ Comms trench 700 wide x 1400 deep including; - conduits, orange HD 150mm dia. x 6 No., - conduits, orange HD 63mm dia. x 2 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 30 | 419.56 | 12,586.82 | Route C01 |
| | 3.25.3.1.2 | LV/ Comms trench 1000 wide x 1600 deep including; - conduits, orange HD 150mm dia. x 4 No., - conduits, orange HD 100mm dia. x 10 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 8 | 584.36 | 4,674.91 | Route C02 |
| | 3.25.3.1.3 | LV/ Comms trench 1000 wide x 1600 deep including; - conduits, orange HD 150mm dia. x 6 No., - conduits, orange HD 100mm dia. x 10 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 17 | 653.73 | 11,113.38 | Route C03 |
| | 3.25.3.1.4 | LV/ Comms trench 600 wide x 1200 deep including; - conduits, orange HD 100mm dia. x 6 No., - conduits, orange HD 63mm dia. x 2 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 10 | 299.24 | 2,992.35 | Route C05 |
| | 3.25.3.1.5 | LV/ Comms trench 600 wide x 1200 deep including; - conduits, orange HD 100mm dia. x 6 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 28 | 251.08 | 7,030.32 | Route C06 |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|-------------|---|------|-----|--------|--------------------------|--|
| | 3.25.3.1.6 | LV/ Comms trench 600 wide x 1100 deep including; - conduits, orange HD 100mm dia. x 4 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 26 | 189.94 | 4,938.47 | Route C07, C53 |
| | 3.25.3.1.7 | LV/ Comms trench 600 wide x 1100 deep including; - conduits, orange HD 100mm dia. x 2 No., - conduits, orange HD 63mm dia. x 2 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 132 | 184.20 | 24,313.77 | Route C08, C09, C16, C17 |
| | 3.25.3.1.8 | LV/ Comms trench 700 wide x 1100 deep including; - conduits, orange HD 100mm dia. x 2 No., - conduits, orange HD 63mm dia. x 4 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 236 | 246.04 | 58,065.06 | Route C10, C11, C12, C13, C21, C22, C23, C24, C25, C26, C68, C69 |
| | 3.25.3.1.9 | LV/ Comms trench 1100 wide x 900 deep including; - conduits, orange HD 150mm dia. x 4 No., - conduits, orange HD 100mm dia. x 12 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 29 | 643.43 | 18,659.37 | Route C14 |
| | 3.25.3.1.10 | LV/ Comms trench 1000 wide x 1400 deep including; - conduits, orange HD 150mm dia. x 2 No., - conduits, orange HD 100mm dia. x 12 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 56 | 574.06 | 32,147.48 | Route C15, C66 |
| | 3.25.3.1.11 | LV/ Comms trench 800 wide x 1200 deep including; - conduits, orange HD 150mm dia. x 2 No., - conduits, orange HD 100mm dia. x 4 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 22 | 292.72 | 6,439.92 | Route C18 |
| | 3.25.3.1.12 | LV/ Comms trench 800 wide x 1100 deep including; - conduits, orange HD 100mm dia. x 6 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 75 | 271.22 | 20,341.58 | Route C27, C28, C35, C58 |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|-------------|---|------|-----|----------|--------------------------|------------------------------------|
| | 3.25.3.1.13 | LV/ Comms trench 800 wide x 1400 deep including; - conduits, orange HD 100mm dia. x 12 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 89 | 180.89 | 16,099.46 | Route C32, C33, C36, C37, C49, C57 |
| | 3.25.3.1.14 | LV/ Comms trench 1500 wide x 1700 deep including; - conduits, orange HD 150mm dia. x 6 No., - conduits, orange HD 100mm dia. x 24 No., - conduits, orange HD 63mm dia. x 2 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 43 | 1,031.87 | 44,370.33 | Route C43, C44 |
| | 3.25.3.1.15 | LV/ Comms trench 1500 wide x 1700 deep including; - conduits, orange HD 100mm dia. x 12 No., - conduits, orange HD 63mm dia. x 2 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 21 | 516.49 | 10,846.28 | Route C45 |
| | 3.25.3.1.16 | LV/ Comms trench 700 wide x 1400 deep including; - conduits, orange HD 100mm dia. x 8 No., - conduits, orange HD 63mm dia. x 2 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 47 | 433.94 | 20,395.24 | Route C46, C47 |
| | 3.25.3.1.17 | LV/ Comms trench 1100 wide x 1700 deep including; - conduits, orange HD 150mm dia. x 4 No., - conduits, orange HD 100mm dia. x 20 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 10 | 924.53 | 9,245.29 | Route C48 |
| | 3.25.3.1.18 | LV/ Comms trench 1100 wide x 1700 deep including; - conduits, orange HD 150mm dia. x 4 No., - conduits, orange HD 100mm dia. x 20 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 10 | 884.75 | 8,847.49 | Route C48 |
| | 3.25.3.1.19 | LV/ Comms trench 1000 wide x 1600 deep including; - conduits, orange HD 150mm dia. x 2 No., - conduits, orange HD 100mm dia. x 18 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 24 | 735.12 | 17,642.87 | Route C55 |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|--|-------------|---|------|----------|-------------------|--------------------------|-----------|
| | 3.25.3.1.20 | LV/ Comms trench 1000 wide x 1600 deep including; - conduits, orange HD 100mm dia. x 18 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 32 | 665.76 | 21,304.16 | Route C56 |
| | 3.25.3.1.21 | LV/ Comms trench 800 wide x 1400 deep including; - conduits, orange HD 100mm dia. x 12 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 16 | 452.23 | 7,235.71 | Route C59 |
| | 3.25.3.1.22 | LV/ Comms trench 700 wide x 1600 deep including; - conduits, orange HD 150mm dia. x 6 No., - conduits, orange HD 100mm dia. x 2 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 10 | 385.29 | 3,852.92 | Route C67 |
| | 3.25.3.1.23 | LV/ Comms trench 500 wide x 1100 deep including; - conduits, orange HD 100mm dia. x 2 No., - 150mm bedding sand, - bedding sand overlay to 100mm over top conduits, - polymeric cable cover, - backfill with select fill, - 600mm total cover. | m | 10 | 132.55 | 1,325.46 | Route C70 |
| 5 3.25.4 Area lighting | | Sum | | 1 | 12,157.66 | 12,157.66 | |
| | 3.25.4.1 | Installation of Street lighting - EXCLUDED | Ea | 0 | 2,981.87 | Rate only | |
| c | 3.25.4.1 | Area | | | | | |
| | 3.25.4.1.1 | General Lighting for WTP area | Ea | 1 | 12,157.66 | 12,157.66 | |
| 5 3.25.5 Earth Bonding | | Sum | | 1 | 159,978.74 | 159,978.74 | |
| | 3.25.5.1 | Earthing of switchroom No 1 | Ea | 1 | 10,515.17 | 10,515.17 | |
| | 3.25.5.2 | Earthing of switchroom No 2 | Ea | 1 | 10,515.17 | 10,515.17 | |
| | 3.25.5.3 | Lightening protection | Ea | 1 | 100,000.00 | 100,000.00 | |
| | 3.25.5.4 | Earth bonding of site | Lot | 1 | 38,948.40 | 38,948.40 | |
| 5 3.25.6 Comms | | Sum | | 1 | 71,533.53 | 71,533.53 | |
| c | 3.25.6.1 | SCADA system - modifications by CVC only | | | | | |
| | 3.25.6.2 | Switchroom 1 Communications | Lot | 1 | 7,700.00 | 7,700.00 | |
| | 3.25.6.3 | Switchroom 2 Communications | Lot | 1 | 7,700.00 | 7,700.00 | |
| | 3.25.6.4 | Amenities Communications | Lot | 1 | 12,870.79 | 12,870.79 | |
| 6 3.25.6.1 CCTV Site main access gate | | Lot | | 1 | 8,457.33 | 8,457.33 | |
| | 3.25.6.1.1 | S + I CCTV | Ea | 1 | 6,358.04 | 6,358.04 | |
| | 3.25.6.1.2 | S + I Cat 6 cable + 2c+e 2.5mm2 | Ea | 1 | 2,099.29 | 2,099.29 | |
| 6 3.25.6.2 CCTV Site amenities/switchroom | | Lot | | 1 | 24,196.59 | 24,196.59 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-----------------|--|------------|----------|---------------------|--------------------------|---|
| | 3.25.6.2.1 | S + I CCTV | Ea | 5 | 3,888.06 | 19,440.29 | |
| | 3.25.6.2.2 | S + I Cat 6 cable | Ea | 5 | 951.26 | 4,756.30 | |
| 6 | 3.25.6.3 | Camera Recording & Display | Lot | 1 | 10,608.82 | 10,608.82 | |
| | 3.25.6.3.1 | Camera recording | Ea | 1 | 10,608.82 | 10,608.82 | |
| 5 | 3.25.7 | Overhead Wiring | Sum | 1 | 0.00 | | |
| | 3.25.7.4 | Allowance to relocate/upgrade 11kV overhead wiring inc. design | km | 0.00 | 125,000.00 | Rate only | Separate application |
| 5 | 3.25.8 | Site wide cabling | Sum | 1 | 2,746,435.30 | 2,746,435.30 | |
| 6 | 3.25.8.1 | Power cables | Lot | 1 | 1,194,606.28 | 1,194,606.28 | |
| | 3.25.8.1.1 | S + I 1c 400mm2 XLPE/PVC - X-90 | Mtr | 2,869 | 100.14 | 287,311.29 | *Added an additional 20% on cable length only*Original meters = 2391*20%=2869 |
| | 3.25.8.1.2 | Term 1c 400mm2 XLPE/PVC - X-90 | Ea | 102 | 267.42 | 27,276.61 | |
| | 3.25.8.1.3 | Test 1c 400mm2 XLPE/PVC - X-90 | Ea | 51 | 91.48 | 4,665.67 | |
| | 3.25.8.1.4 | S + I 1c 185mm2 XLPE/PVC - X-90 | Mtr | 2,533 | 50.39 | 127,630.51 | |
| | 3.25.8.1.5 | Term 1c 185mm2 XLPE/PVC - X-90 | Ea | 66 | 107.38 | 7,087.06 | |
| | 3.25.8.1.6 | Test 1c 185mm2 XLPE/PVC - X-90 | Ea | 33 | 69.96 | 2,308.62 | |
| | 3.25.8.1.7 | S + I 1c 120mm2 XLPE/PVC - X-90 | Mtr | 1,062 | 42.17 | 44,785.55 | |
| | 3.25.8.1.8 | Term 1c 120mm2 XLPE/PVC - X-90 | Ea | 18 | 79.40 | 1,429.21 | |
| | 3.25.8.1.9 | Test 1c 120mm2 XLPE/PVC - X-90 | Ea | 9 | 69.96 | 629.62 | |
| | 3.25.8.1.10 | S + I 1c 120mm2 XLPE/PVC - X-90 Earth | Mtr | 120 | 38.35 | 4,601.99 | |
| | 3.25.8.1.11 | Term 1c 120mm2 XLPE/PVC - X-90 Earth | Ea | 2 | 79.39 | 158.78 | |
| | 3.25.8.1.12 | Test 1c 120mm2 XLPE/PVC - X-90 Earth | Ea | 1 | 61.35 | 61.35 | |
| | 3.25.8.1.13 | S + I 1c 70mm2 XLPE/PVC - X-90Earth | Mtr | 30 | 28.57 | 857.23 | |
| | 3.25.8.1.14 | Term 1c 70mm2 XLPE/PVC - X-90Earth | Ea | 6 | 34.85 | 209.12 | |
| | 3.25.8.1.15 | Test 1c 70mm2 XLPE/PVC - X-90Earth | Ea | 3 | 61.35 | 184.04 | |
| | 3.25.8.1.16 | S + I 3c+e 150mm2 XLPE/PVC V-90 | Mtr | 20 | 156.40 | 3,128.02 | |
| | 3.25.8.1.17 | Term 3c+e 150mm2 XLPE/PVC V-90 | Ea | 4 | 392.17 | 1,568.68 | |
| | 3.25.8.1.18 | Test 3c+e 150mm2 XLPE/PVC V-90 | Ea | 2 | 158.66 | 317.32 | |
| | 3.25.8.1.19 | S + I 3c+3e+SCN 150mm2 XLPE/PVC V-90 | Mtr | 240 | 98.22 | 23,573.02 | |
| | 3.25.8.1.20 | Term 3c+3e+SCN 150mm2 XLPE/PVC V-90 | Ea | 32 | 304.33 | 9,738.59 | |
| | 3.25.8.1.21 | Test 3c+3e+SCN 150mm2 XLPE/PVC V-90 | Ea | 16 | 266.29 | 4,260.62 | |
| | 3.25.8.1.22 | S + I 3c+3e+SCN 120mm2 XLPE/PVC V-90 | Mtr | 115 | 93.69 | 10,774.59 | |
| | 3.25.8.1.23 | Term 3c+3e+SCN 120mm2 XLPE/PVC V-90 | Ea | 8 | 265.67 | 2,125.37 | |
| | 3.25.8.1.24 | Test 3c+3e+SCN 120mm2 XLPE/PVC V-90 | Ea | 4 | 266.29 | 1,065.15 | |
| | 3.25.8.1.25 | S + I 3c+3e+SCN 35mm2 XLPE/PVC V-90 | Mtr | 45 | 53.66 | 2,414.85 | |
| | 3.25.8.1.26 | Term 3c+3e+SCN 35mm2 XLPE/PVC V-90 | Ea | 4 | 142.50 | 570.00 | |
| | 3.25.8.1.27 | Test 3c+3e+SCN 35mm2 XLPE/PVC V-90 | Ea | 2 | 231.05 | 462.10 | |
| | 3.25.8.1.28 | S + I 3c+3e+SCN 25mm2 XLPE/PVC V-90 | Mtr | 244 | 45.49 | 11,098.81 | |
| | 3.25.8.1.29 | Term 3c+3e+SCN 25mm2 XLPE/PVC V-90 | Ea | 8 | 130.54 | 1,044.29 | |
| | 3.25.8.1.30 | Test 3c+3e+SCN 25mm2 XLPE/PVC V-90 | Ea | 4 | 231.05 | 924.19 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|-------------|-------------------------------------|------|-------|--------|--------------------------|--|
| | 3.25.8.1.31 | S + I 3c+3e+SCN 16mm2 XLPE/PVC V-90 | Mtr | 708 | 37.63 | 26,644.99 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 6% |
| | 3.25.8.1.32 | Term 3c+3e+SCN 16mm2 XLPE/PVC V-90 | Ea | 30 | 118.98 | 3,569.29 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 6% |
| | 3.25.8.1.33 | Test 3c+3e+SCN 16mm2 XLPE/PVC V-90 | Ea | 15 | 204.62 | 3,069.25 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 6% |
| | 3.25.8.1.34 | S + I 3c+3e+SCN 6mm2 XLPE/PVC V-90 | Mtr | 60 | 26.76 | 1,605.47 | |
| | 3.25.8.1.35 | Term 3c+3e+SCN 6mm2 XLPE/PVC V-90 | Ea | 12 | 109.01 | 1,308.11 | |
| | 3.25.8.1.36 | Test 3c+3e+SCN 6mm2 XLPE/PVC V-90 | Ea | 6 | 204.62 | 1,227.70 | |
| | 3.25.8.1.37 | S + I 3c+3e+SCN 4mm2 XLPE/PVC V-90 | Mtr | 4,145 | 16.83 | 69,751.62 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 21% |
| | 3.25.8.1.38 | Term 3c+3e+SCN 4mm2 XLPE/PVC V-90 | Ea | 160 | 108.20 | 17,311.81 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 21% |
| | 3.25.8.1.39 | Test 3c+3e+SCN 4mm2 XLPE/PVC V-90 | Ea | 80 | 204.62 | 16,369.35 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 21% |
| | 3.25.8.1.40 | S + I 3c+e 120mm2 XLPE/PVC V-90 | Mtr | 20 | 126.07 | 2,521.36 | |
| | 3.25.8.1.41 | Term 3c+e 120mm2 XLPE/PVC V-90 | Ea | 4 | 306.68 | 1,226.73 | |
| | 3.25.8.1.42 | Test 3c+e 120mm2 XLPE/PVC V-90 | Ea | 2 | 158.66 | 317.32 | |
| | 3.25.8.1.43 | S + I 3c+e 35mm2 XLPE/PVC V-90 | Mtr | 10 | 53.66 | 536.63 | |
| | 3.25.8.1.44 | Term 3c+e 35mm2 XLPE/PVC V-90 | Ea | 2 | 132.58 | 265.15 | |
| | 3.25.8.1.45 | Test 3c+e 35mm2 XLPE/PVC V-90 | Ea | 1 | 123.42 | 123.42 | |
| | 3.25.8.1.46 | S + I 3c+e 25mm2 XLPE/PVC V-90 | Mtr | 20 | 33.06 | 661.21 | |
| | 3.25.8.1.47 | Term 3c+e 25mm2 XLPE/PVC V-90 | Ea | 4 | 128.50 | 513.99 | |
| | 3.25.8.1.48 | Test 3c+e 25mm2 XLPE/PVC V-90 | Ea | 2 | 123.42 | 246.84 | |
| | 3.25.8.1.49 | S + I 3c+e 16mm2 XLPE/PVC V-90 | Mtr | 70 | 22.28 | 1,559.59 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 13% |
| | 3.25.8.1.50 | Term 3c+e 16mm2 XLPE/PVC V-90 | Ea | 14 | 111.70 | 1,563.75 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 13% |
| | 3.25.8.1.51 | Test 3c+e 16mm2 XLPE/PVC V-90 | Ea | 7 | 96.99 | 678.92 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 13% |
| | 3.25.8.1.52 | S + I 3c+e 4mm2 PVC/PVC V-90 | Mtr | 3,326 | 11.99 | 39,880.06 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 33% |
| | 3.25.8.1.53 | Term 3c+e 4mm2 PVC/PVC V-90 | Ea | 224 | 101.09 | 22,643.06 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 33% |
| | 3.25.8.1.54 | Test 3c+e 4mm2 PVC/PVC V-90 | Ea | 112 | 96.99 | 10,862.76 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 33% |
| | 3.25.8.1.55 | S + I 4c+e 120mm2 XLPE/PVC V-90 | Mtr | 307 | 152.25 | 46,741.95 | |
| | 3.25.8.1.56 | Term 4c+e 120mm2 XLPE/PVC V-90 | Ea | 4 | 402.67 | 1,610.67 | |
| | 3.25.8.1.57 | Test 4c+e 120mm2 XLPE/PVC V-90 | Ea | 2 | 192.10 | 384.20 | |
| | 3.25.8.1.58 | S + I 4c+e 70mm2 XLPE/PVC V-90 | Mtr | 227 | 93.18 | 21,151.81 | |
| | 3.25.8.1.59 | Term 4c+e 70mm2 XLPE/PVC V-90 | Ea | 20 | 199.55 | 3,991.06 | |
| | 3.25.8.1.60 | Test 4c+e 70mm2 XLPE/PVC V-90 | Ea | 10 | 170.07 | 1,700.73 | |
| | 3.25.8.1.61 | S + I 4c+e 25mm2 XLPE/PVC V-90 | Mtr | 105 | 42.33 | 4,444.59 | |
| | 3.25.8.1.62 | Term 4c+e 25mm2 XLPE/PVC V-90 | Ea | 6 | 148.74 | 892.47 | |
| | 3.25.8.1.63 | Test 4c+e 25mm2 XLPE/PVC V-90 | Ea | 3 | 148.05 | 444.14 | |
| | 3.25.8.1.64 | S + I 4c+e 6mm2 XLPE/PVC V-90 | Mtr | 76 | 14.20 | 1,079.31 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-----------------|-------------------------------|------------|----------|---------------------|--------------------------|--|
| | 3.25.8.1.65 | Term 4c+e 6mm2 XLPE/PVC V-90 | Ea | 4 | 115.43 | 461.71 | |
| | 3.25.8.1.66 | Test 4c+e 6mm2 XLPE/PVC V-90 | Ea | 2 | 115.01 | 230.02 | |
| | 3.25.8.1.67 | S + I 2c+e 4mm2 XLPE/PVC V-90 | Mtr | 10,656 | 12.83 | 136,678.07 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 12% |
| | 3.25.8.1.68 | Term 2c+e 4mm2 XLPE/PVC V-90 | Ea | 274 | 58.88 | 16,131.79 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 12% |
| | 3.25.8.1.69 | Test 2c+e 4mm2 XLPE/PVC V-90 | Ea | 137 | 115.01 | 15,756.29 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 12% |
| | 3.25.8.1.70 | S + I 2c+e 2.5mm2 PVC/PVC | Mtr | 9,195 | 8.95 | 82,250.34 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 14% |
| | 3.25.8.1.71 | Term 2c+e 2.5mm2 PVC/PVC | Ea | 200 | 229.80 | 45,959.66 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 14% |
| | 3.25.8.1.72 | Test 2c+e 1.5mm2 PVC/PVC | Ea | 100 | 79.77 | 7,976.84 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 14% |
| 6 | 3.25.8.2 | Control cables | Lot | 1 | 1,551,829.02 | 1,551,829.02 | |
| | 3.25.8.2.1 | S + I 10c+e 1.5mm2 PVC/PVC | Mtr | 7,483 | 17.70 | 132,458.93 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 24% |
| | 3.25.8.2.2 | Term 10c+e 1.5mm2 PVC/PVC | Ea | 184 | 532.44 | 97,968.94 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 24% |
| | 3.25.8.2.3 | Test 10c+e 1.5mm2 PVC/PVC | Ea | 91 | 170.07 | 15,476.68 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 24% |
| | 3.25.8.2.4 | S + I 20c+e 1.5mm2 PVC/PVC | Mtr | 590 | 26.25 | 15,486.45 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 13% |
| | 3.25.8.2.5 | Term 20c+e 1.5mm2 PVC/PVC | Ea | 120 | 684.17 | 82,100.99 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 13% |
| | 3.25.8.2.6 | Test 20c+e 1.5mm2 PVC/PVC | Ea | 60 | 258.18 | 15,490.55 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 13% |
| | 3.25.8.2.7 | S + I 2Pr +SCR 1.5mm2 | Mtr | 19,293 | 8.98 | 173,214.78 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 18% |
| | 3.25.8.2.8 | Term 2Pr +SCR 1.5mm2 | Ea | 456 | 389.79 | 177,743.00 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 18% |
| | 3.25.8.2.9 | Test 2Pr +SCR 1.5mm2 | Ea | 228 | 81.97 | 18,689.39 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 18% |
| | 3.25.8.2.10 | S + I 4Pr +SCR 1.5mm2 | Mtr | 1,718 | 10.65 | 18,296.90 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 2% |
| | 3.25.8.2.11 | Term 4Pr +SCR 1.5mm2 | Ea | 44 | 459.24 | 20,206.74 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 2% |
| | 3.25.8.2.12 | Test 4Pr +SCR 1.5mm2 | Ea | 22 | 126.02 | 2,772.49 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 2% |
| | 3.25.8.2.13 | S + I 6Pr +SCR 1.5mm2 | Mtr | 14,243 | 12.49 | 177,853.99 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 19% |
| | 3.25.8.2.14 | Term 6Pr +SCR 1.5mm2 | Ea | 314 | 528.75 | 166,028.09 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 19% |
| | 3.25.8.2.15 | Test 6Pr +SCR 1.5mm2 | Ea | 157 | 170.07 | 26,701.52 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 19% |
| | 3.25.8.2.16 | S + I 12C MM FO cable | Mtr | 5,929 | 19.31 | 114,492.94 | |
| | 3.25.8.2.17 | Term 12C MM FO cable | Ea | 16 | 1,222.11 | 19,553.83 | |
| | 3.25.8.2.18 | S + I Cat 6 | Mtr | 2,432 | 6.61 | 16,087.28 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 5% |
| | 3.25.8.2.19 | Term Cat 6 | Ea | 164 | 389.79 | 63,925.11 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 5% |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|-----------------|---|------------|----------|-------------------|--------------------------|---|
| | 3.25.8.2.20 | Test Cat 6 | Ea | 82 | 81.97 | 6,721.62 | As advised by Beca 19/9/24 re 9026 cable-conduit schedule_B reduced by 5% |
| | 3.25.8.2.21 | Vendor cable | Mtr | 2,080 | 6.76 | 14,052.72 | Based on a 4c+e 1.5mm2 cable |
| | 3.25.8.2.22 | Vendor cable | Ea | 548 | 264.59 | 144,993.50 | |
| | 3.25.8.2.23 | Vendor cable | Ea | 274 | 115.01 | 31,512.58 | |
| 5 | 3.25.9 | Flocculation Tanks 001 | Sum | 1 | 210,416.96 | 210,416.96 | |
| 6 | 3.25.9.1 | Site Power & Light Area 001 | Lot | 1 | 52,812.24 | 52,812.24 | |
| | 3.25.9.1.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.9.1.2 | Supply & Install Cable support systems | Lot | 1 | 20,957.80 | 20,957.80 | |
| | 3.25.9.1.3 | General Lighting for WTP area | Ea | 1 | 28,304.65 | 28,304.65 | |
| 6 | 3.25.9.2 | Site Power Area 17 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.9.2.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.9.3 | General site Electrical Light & power | Lot | 1 | 30,134.55 | 30,134.55 | |
| | 3.25.9.3.1 | General Lighting for WTP area | Ea | 1 | 30,134.55 | 30,134.55 | |
| 6 | 3.25.9.4 | Site electrical Cable support systems | Lot | 1 | 51,392.96 | 51,392.96 | |
| | 3.25.9.4.1 | Supply & Install Cable support systems | Lot | 1 | 51,392.96 | 51,392.96 | |
| c | 3.25.9.4.1 | Area 03,04 & 17 | | | | | |
| 6 | 3.25.9.5 | Installation of Instruments | Sum | 1 | 72,527.42 | 72,527.42 | |
| | 3.25.9.5.1 | Flow Indicating Transmitter+ Element | Ea | 6 | 1,289.65 | 7,737.89 | |
| | 3.25.9.5.2 | Level Indicating Transmitter | Ea | 4 | 1,403.41 | 5,613.64 | |
| | 3.25.9.5.3 | Pressure Indicating Transmitter | Ea | 3 | 3,826.80 | 11,480.41 | |
| | 3.25.9.5.4 | Pressure Gauge | Ea | 16 | 864.82 | 13,837.06 | |
| | 3.25.9.5.5 | Position switch - open | Ea | 9 | 571.45 | 5,143.01 | |
| | 3.25.9.5.6 | Position switch - Closed | Ea | 7 | 571.45 | 4,000.12 | |
| | 3.25.9.5.7 | Level switches High | Ea | 5 | 1,741.89 | 8,709.45 | |
| | 3.25.9.5.8 | Level switches High | Ea | 5 | 242.16 | 1,210.82 | |
| | 3.25.9.5.9 | Analyser Element | Ea | 6 | 403.61 | 2,421.63 | |
| | 3.25.9.5.10 | Analyser Indicator Transmitter | Ea | 6 | 403.61 | 2,421.63 | |
| | 3.25.9.5.11 | Flow Indicating Transmitter+ Element | Ea | 6 | 215.26 | 1,291.54 | |
| | 3.25.9.5.12 | Level Indicating Transmitter | Ea | 4 | 269.07 | 1,076.28 | |
| | 3.25.9.5.13 | Pressure Indicating Transmitter | Ea | 3 | 242.16 | 726.49 | |
| | 3.25.9.5.14 | Pressure Gauge | Ea | 16 | 62.42 | 998.79 | |
| | 3.25.9.5.15 | Position switch - open | Ea | 9 | 242.16 | 2,179.47 | |
| | 3.25.9.5.16 | Position switch - Closed | Ea | 7 | 242.16 | 1,695.14 | |
| | 3.25.9.5.17 | Level switches Low | Ea | 1 | 1,741.89 | 1,741.89 | |
| | 3.25.9.5.18 | Level switches Low | Ea | 1 | 242.16 | 242.16 | |
| 6 | 3.25.9.6 | Pre commissioning of Instrument | Sum | 1 | 0.00 | | |
| 5 | 3.25.10 | DAFF Tanks 002 | Sum | 1 | 897,027.17 | 897,027.17 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|--------------|---|------|-----|------------|--------------------------|---------|
| 6 | 3.25.10.1 | Site Power & Light Area 002 | Lot | 1 | 52,812.24 | 52,812.24 | |
| | 3.25.10.1.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.10.1.2 | Supply & Install Cable support systems | Lot | 1 | 20,957.80 | 20,957.80 | |
| | 3.25.10.1.3 | General Lighting for WTP area | Ea | 1 | 28,304.65 | 28,304.65 | |
| 6 | 3.25.10.2 | Site Power Area 37 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.10.2.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.10.3 | Site Power Area 41 | Lot | 1 | 7,099.57 | 7,099.57 | |
| | 3.25.10.3.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 2 | 3,549.79 | 7,099.57 | |
| 6 | 3.25.10.4 | Site Power Area 66 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.10.4.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.10.5 | General site Electrical Light & power | Lot | 1 | 29,206.43 | 29,206.43 | |
| | 3.25.10.5.1 | General Lighting for WTP area | Ea | 1 | 29,206.43 | 29,206.43 | |
| 6 | 3.25.10.6 | Site electrical Cable support systems | Lot | 1 | 183,387.51 | 183,387.51 | |
| | 3.25.10.6.1 | Supply & Install Cable support systems | Lot | 1 | 183,387.51 | 183,387.51 | |
| c | 3.25.10.6.1 | Area 37, 41 & 66 | | | | | |
| 6 | 3.25.10.7 | Installation of Instruments | Sum | 1 | 551,063.80 | 551,063.80 | |
| | 3.25.10.7.1 | Analyser Element | Ea | 16 | 6,003.76 | 96,060.14 | |
| | 3.25.10.7.2 | Analyser Indicator Transmitter | Ea | 16 | 6,003.76 | 96,060.14 | |
| | 3.25.10.7.3 | Flow Indicating Transmitter+ Element | Ea | 14 | 1,289.65 | 18,055.08 | |
| | 3.25.10.7.4 | Level Indicating Transmitter | Ea | 22 | 1,403.41 | 30,875.00 | |
| | 3.25.10.7.5 | Pressure Indicating Transmitter | Ea | 9 | 3,826.80 | 34,441.22 | |
| | 3.25.10.7.6 | Pressure Gauge | Ea | 10 | 864.82 | 8,648.16 | |
| | 3.25.10.7.7 | Position switch - open | Ea | 57 | 571.45 | 32,572.43 | |
| | 3.25.10.7.8 | Position switch - Closed | Ea | 57 | 571.45 | 32,572.43 | |
| | 3.25.10.7.9 | Flow Transmitter | Ea | 20 | 6,602.65 | 132,052.98 | |
| | 3.25.10.7.10 | Pressure Differential switch | Ea | 5 | 1,153.32 | 5,766.58 | |
| | 3.25.10.7.11 | Pressure Differential Transmitter | Ea | 7 | 3,452.48 | 24,167.36 | |
| | 3.25.10.7.12 | S + I Intro Tubing for DP Pressure transmitter | Ea | 7 | 2,254.49 | 15,781.41 | |
| | 3.25.10.7.13 | Position Indicating Transmitter | Ea | 22 | 776.86 | 17,090.97 | |
| | 3.25.10.7.14 | Pressure Switch High | Ea | 6 | 1,153.32 | 6,919.90 | |
| 6 | 3.25.10.8 | Pre commissioning of Instrument | Sum | 1 | 66,358.04 | 66,358.04 | |
| | 3.25.10.8.1 | Analyser Element | Ea | 16 | 403.61 | 6,457.68 | |
| | 3.25.10.8.2 | Analyser Indicator Transmitter | Ea | 16 | 403.61 | 6,457.68 | |
| | 3.25.10.8.3 | Flow Indicating Transmitter+ Element | Ea | 14 | 215.26 | 3,013.58 | |
| | 3.25.10.8.4 | Level Indicating Transmitter | Ea | 22 | 269.07 | 5,919.54 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|------------------|---|------------|----------|------------------|--------------------------|---------|
| | 3.25.10.8.5 | Pressure Indicating Transmitter | Ea | 9 | 242.16 | 2,179.47 | |
| | 3.25.10.8.6 | Pressure Gauge | Ea | 10 | 62.42 | 624.24 | |
| | 3.25.10.8.7 | Position switch - open | Ea | 57 | 242.16 | 13,803.29 | |
| | 3.25.10.8.8 | Position switch - Closed | Ea | 57 | 242.16 | 13,803.29 | |
| | 3.25.10.8.9 | Flow Transmitter | Ea | 20 | 215.26 | 4,305.12 | |
| | 3.25.10.8.10 | Pressure Differential Transmitter | Ea | 7 | 188.35 | 1,318.44 | |
| | 3.25.10.8.11 | Pressure Differential switch | Ea | 5 | 134.54 | 672.68 | |
| | 3.25.10.8.12 | Position Indicating Transmitter | Ea | 22 | 295.98 | 6,511.49 | |
| | 3.25.10.8.13 | Pressure Switch High | Ea | 6 | 215.26 | 1,291.54 | |
| 5 | 3.25.12 | Backwash Balance Tank 008 | Sum | 1 | 47,819.31 | 47,819.31 | |
| 6 | 3.25.12.1 | Site Power & Light Area 008 | Lot | 1 | 0.00 | | |
| 6 | 3.25.12.2 | Site Power Area 65 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.12.2.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.12.3 | General site Electrical Light & power | Lot | 1 | 20,593.67 | 20,593.67 | |
| | 3.25.12.3.1 | General Lighting for WTP area | Ea | 1 | 20,593.67 | 20,593.67 | |
| 6 | 3.25.12.4 | Site electrical Cable support systems | Lot | 1 | 16,393.84 | 16,393.84 | |
| | 3.25.12.4.1 | Supply & Install Cable support systems | Lot | 1 | 16,393.84 | 16,393.84 | |
| c | 3.25.12.4.1 | Area 65 | | | | | |
| 6 | 3.25.12.5 | Installation of Instruments | Sum | 1 | 6,250.94 | 6,250.94 | |
| | 3.25.12.5.1 | Flow Indicating Transmitter+ Element | Ea | 2 | 1,289.65 | 2,579.30 | |
| | 3.25.12.5.2 | Pressure Gauge | Ea | 1 | 864.82 | 864.82 | |
| | 3.25.12.5.3 | Level Indicating Transmitter | Ea | 2 | 1,403.41 | 2,806.82 | |
| 6 | 3.25.12.6 | Pre commissioning of Instrument | Sum | 1 | 1,031.07 | 1,031.07 | |
| | 3.25.12.6.1 | Level Indicating Transmitter | Ea | 2 | 269.07 | 538.14 | |
| | 3.25.12.6.2 | Flow Indicating Transmitter+ Element | Ea | 2 | 215.26 | 430.51 | |
| | 3.25.12.6.3 | Pressure Gauge | Ea | 1 | 62.42 | 62.42 | |
| 5 | 3.25.13 | Sludge Thickener 009 | Sum | 1 | 23,168.36 | 23,168.36 | |
| 6 | 3.25.13.1 | Site Power & Light Area 009 | Lot | 1 | 0.00 | | |
| c | 3.25.13.1.1 | Area 61 & 67 | | | | | |
| 6 | 3.25.13.2 | Installation of Instruments | Sum | 1 | 20,819.90 | 20,819.90 | |
| | 3.25.13.2.1 | Analyser Element | Ea | 1 | 6,003.76 | 6,003.76 | |
| | 3.25.13.2.2 | Analyser Indicator Transmitter | Ea | 1 | 6,003.76 | 6,003.76 | |
| | 3.25.13.2.3 | Position switch - Closed | Ea | 2 | 571.45 | 1,142.89 | |
| | 3.25.13.2.4 | Level Indicating Transmitter | Ea | 3 | 1,403.41 | 4,210.23 | |
| | 3.25.13.2.5 | Pressure Gauge | Ea | 4 | 864.82 | 3,459.26 | |
| 6 | 3.25.13.3 | Pre commissioning of Instrument | Sum | 1 | 2,348.46 | 2,348.46 | |
| | 3.25.13.3.1 | Level Indicating Transmitter | Ea | 3 | 269.07 | 807.21 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|------------------|---|------------|----------|-------------------|--------------------------|---------|
| | 3.25.13.3.2 | Analyser Element | Ea | 1 | 403.61 | 403.61 | |
| | 3.25.13.3.3 | Analyser Indicator Transmitter | Ea | 1 | 403.61 | 403.61 | |
| | 3.25.13.3.4 | Position switch - Closed | Ea | 2 | 242.16 | 484.33 | |
| | 3.25.13.3.5 | Pressure Gauge | Ea | 4 | 62.42 | 249.70 | |
| 5 | 3.25.14 | Thickened Sludge Balance Tank 010 | Sum | 1 | 21,148.82 | 21,148.82 | |
| 6 | 3.25.14.1 | Site Power & Light Area 010 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.14.1.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.14.2 | General site Electrical Light | Lot | 1 | 10,442.66 | 10,442.66 | |
| | 3.25.14.2.1 | General Lighting for WTP area | Ea | 1 | 10,442.66 | 10,442.66 | |
| 6 | 3.25.14.3 | Site electrical Cable support systems | Lot | 1 | 7,156.37 | 7,156.37 | |
| | 3.25.14.3.1 | Supply & Install Cable support systems | Lot | 1 | 7,156.37 | 7,156.37 | |
| 5 | 3.25.15 | Chemical Delivery Bund 013 | Sum | 1 | 70,469.23 | 70,469.23 | |
| 6 | 3.25.15.1 | Site Power Area 13 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.15.1.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.15.2 | Site electrical Cable support systems | Lot | 1 | 59,758.38 | 59,758.38 | |
| | 3.25.15.2.1 | Supply & Install Cable support systems | Lot | 1 | 59,758.38 | 59,758.38 | |
| 6 | 3.25.15.3 | Site Power Area 92 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.15.3.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| c | 3.25.15.3.1 | Area 04 & 92 | | | | | |
| 6 | 3.25.15.4 | Installation of Instruments | Sum | 1 | 2,884.79 | 2,884.79 | |
| | 3.25.15.4.1 | Level switches High | Ea | 1 | 1,741.89 | 1,741.89 | |
| | 3.25.15.4.2 | Position switch - open | Ea | 1 | 571.45 | 571.45 | |
| | 3.25.15.4.3 | Position switch - Closed | Ea | 1 | 571.45 | 571.45 | |
| 6 | 3.25.15.5 | Pre commissioning of Instrument | Sum | 1 | 726.48 | 726.48 | |
| | 3.25.15.5.1 | Level switches High | Ea | 1 | 242.16 | 242.16 | |
| | 3.25.15.5.2 | Position switch - open | Ea | 1 | 242.16 | 242.16 | |
| | 3.25.15.5.3 | Position switch - Closed | Ea | 1 | 242.16 | 242.16 | |
| 5 | 3.25.16 | PAC Dosing Facility 014 | Sum | 1 | 139,404.37 | 139,404.37 | |
| 6 | 3.25.16.1 | Site Power & Light Area 014 | Lot | 1 | 0.00 | | |
| 6 | 3.25.16.2 | Site Power Area 16 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.16.2.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.16.3 | General site Electrical Light | Lot | 1 | 15,695.81 | 15,695.81 | |
| | 3.25.16.3.1 | General Lighting for WTP area | Ea | 1 | 15,695.81 | 15,695.81 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|--------------|---|------|-----|------------|--------------------------|---------|
| c | 6 3.25.16.4 | Site electrical Cable support systems | Lot | 1 | 13,713.25 | 13,713.25 | |
| | 3.25.16.4.1 | Supply & Install Cable support systems | Lot | 1 | 13,713.25 | 13,713.25 | |
| | 3.25.16.4.1 | Area 03, 04, 11, 13, 14 & 82 | | | | | |
| | 6 3.25.16.5 | Installation of Instruments | Sum | 1 | 94,114.57 | 94,114.57 | |
| | 3.25.16.5.1 | Weight element | Ea | 1 | 134.63 | 134.63 | |
| | 3.25.16.5.2 | Weight Indicating Transmitter | Ea | 1 | 8,338.91 | 8,338.91 | |
| | 3.25.16.5.3 | Level switches High | Ea | 10 | 1,741.89 | 17,418.91 | |
| | 3.25.16.5.4 | Level switches Low | Ea | 1 | 1,741.89 | 1,741.89 | |
| | 3.25.16.5.5 | Pressure Gauge | Ea | 1 | 864.82 | 864.82 | |
| | 3.25.16.5.6 | Position switch - open | Ea | 2 | 571.45 | 1,142.89 | |
| | 3.25.16.5.7 | Position switch - Closed | Ea | 1 | 571.45 | 571.45 | |
| | 3.25.16.5.8 | Position switch | Ea | 4 | 571.45 | 2,285.78 | |
| | 3.25.16.5.9 | Analyser Element | Ea | 3 | 6,003.76 | 18,011.28 | |
| | 3.25.16.5.10 | Analyser Indicator Transmitter | Ea | 3 | 6,003.76 | 18,011.28 | |
| | 3.25.16.5.11 | Position switch - open | Ea | 2 | 571.45 | 1,142.89 | |
| | 3.25.16.5.12 | Position switch - Closed | Ea | 3 | 571.45 | 1,714.34 | |
| | 3.25.16.5.13 | Flow Indicating Transmitter+ Element | Ea | 8 | 1,289.65 | 10,317.19 | |
| | 3.25.16.5.14 | Level Indicating Transmitter | Ea | 7 | 1,403.41 | 9,823.86 | |
| | 3.25.16.5.15 | Pressure Gauge | Ea | 3 | 864.82 | 2,594.45 | |
| | 6 3.25.16.6 | Pre commissioning of Instrument | Sum | 1 | 12,330.95 | 12,330.95 | |
| | 3.25.16.6.1 | Weight element | Ea | 1 | 134.54 | 134.54 | |
| | 3.25.16.6.2 | Weight Indicating Transmitter | Ea | 1 | 349.79 | 349.79 | |
| | 3.25.16.6.3 | Level switches High | Ea | 10 | 242.16 | 2,421.63 | |
| | 3.25.16.6.4 | Level switches Low | Ea | 1 | 242.16 | 242.16 | |
| | 3.25.16.6.5 | Position switch | Ea | 4 | 242.16 | 968.65 | |
| | 3.25.16.6.6 | Pressure Gauge | Ea | 1 | 62.42 | 62.42 | |
| | 3.25.16.6.7 | Position switch - open | Ea | 2 | 242.16 | 484.33 | |
| | 3.25.16.6.8 | Position switch - Closed | Ea | 1 | 242.16 | 242.16 | |
| | 3.25.16.6.9 | Analyser Element | Ea | 3 | 403.61 | 1,210.82 | |
| | 3.25.16.6.10 | Analyser Indicator Transmitter | Ea | 3 | 403.61 | 1,210.82 | |
| | 3.25.16.6.11 | Position switch - open | Ea | 2 | 242.16 | 484.33 | |
| | 3.25.16.6.12 | Position switch - Closed | Ea | 3 | 242.16 | 726.49 | |
| | 3.25.16.6.13 | Flow Indicating Transmitter+ Element | Ea | 8 | 215.26 | 1,722.05 | |
| | 3.25.16.6.14 | Level Indicating Transmitter | Ea | 7 | 269.07 | 1,883.49 | |
| | 3.25.16.6.15 | Pressure Gauge | Ea | 3 | 62.42 | 187.27 | |
| 5 | 3.25.19 | Polymer,Caustic & Coagulant Dosing Facility 017 | Sum | 1 | 388,137.16 | 388,137.16 | |
| 6 | 3.25.19.1 | Site Power & Light Area 017 | Lot | 1 | 0.00 | | |
| 6 | 3.25.19.2 | Site Power Area 10 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.19.2.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|--------------|---|------|-----|------------|--------------------------|---------|
| 6 | 3.25.19.3 | Site Power Area 03 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.19.3.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.19.4 | Site Power Area 04 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.19.4.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.19.5 | General site Electrical Light & power | Lot | 1 | 20,593.67 | 20,593.67 | |
| | 3.25.19.5.1 | General Lighting for WTP area | Ea | 1 | 20,593.67 | 20,593.67 | |
| 6 | 3.25.19.6 | Site electrical Cable support systems | Lot | 1 | 80,889.56 | 80,889.56 | |
| | 3.25.19.6.1 | Supply & Install Cable support systems | Lot | 1 | 80,889.56 | 80,889.56 | |
| c | 3.25.19.6.1 | Area 03,04,10,14,18 & 30 | | | | | |
| 6 | 3.25.19.7 | Installation of Instruments | Sum | 1 | 255,770.49 | 255,770.49 | |
| | 3.25.19.7.1 | Pressure Gauge | Ea | 4 | 864.82 | 3,459.26 | |
| | 3.25.19.7.2 | Pressure Indicating Transmitter | Ea | 7 | 3,826.80 | 26,787.62 | |
| | 3.25.19.7.3 | Level switches High | Ea | 3 | 1,741.89 | 5,225.67 | |
| | 3.25.19.7.4 | Flow Indicating Transmitter+ Element | Ea | 9 | 1,289.65 | 11,606.84 | |
| | 3.25.19.7.5 | Position switch - open | Ea | 3 | 571.45 | 1,714.34 | |
| | 3.25.19.7.6 | Position switch - Closed | Ea | 3 | 571.45 | 1,714.34 | |
| | 3.25.19.7.7 | Level switches Low | Ea | 2 | 1,741.89 | 3,483.78 | |
| | 3.25.19.7.8 | Level switches High | Ea | 8 | 1,741.89 | 13,935.13 | |
| | 3.25.19.7.9 | Level Indicating Transmitter | Ea | 10 | 1,403.41 | 14,034.09 | |
| | 3.25.19.7.10 | Pressure Gauge | Ea | 15 | 864.82 | 12,972.24 | |
| | 3.25.19.7.11 | Level switches Low Low | Ea | 2 | 1,741.89 | 3,483.78 | |
| | 3.25.19.7.12 | Pressure Gauge | Ea | 6 | 864.82 | 5,188.90 | |
| | 3.25.19.7.13 | Position switch - open | Ea | 7 | 571.45 | 4,000.12 | |
| | 3.25.19.7.14 | Position switch - Closed | Ea | 5 | 571.45 | 2,857.23 | |
| | 3.25.19.7.15 | Flow Transmitter | Ea | 20 | 6,602.65 | 132,052.98 | |
| | 3.25.19.7.16 | Flow Switch Low | Ea | 7 | 1,609.82 | 11,268.71 | |
| | 3.25.19.7.17 | Flow Switch Low | Ea | 7 | 134.54 | 941.75 | |
| | 3.25.19.7.18 | RO-Rotometer | Ea | 2 | 521.85 | 1,043.71 | |
| 6 | 3.25.19.8 | Pre commissioning of Instrument | Sum | 1 | 20,234.07 | 20,234.07 | |
| | 3.25.19.8.1 | Pressure Gauge | Ea | 6 | 62.42 | 374.55 | |
| | 3.25.19.8.2 | Pressure Indicating Transmitter | Ea | 7 | 242.16 | 1,695.14 | |
| | 3.25.19.8.3 | Level switches High | Ea | 3 | 242.16 | 726.49 | |
| | 3.25.19.8.4 | Flow Indicating Transmitter+ Element | Ea | 9 | 215.26 | 1,937.30 | |
| | 3.25.19.8.5 | Position switch - open | Ea | 3 | 242.16 | 726.49 | |
| | 3.25.19.8.6 | Position switch - Closed | Ea | 3 | 242.16 | 726.49 | |
| | 3.25.19.8.7 | Level switches Low | Ea | 2 | 242.16 | 484.33 | |
| | 3.25.19.8.8 | Level Indicating Transmitter | Ea | 10 | 269.07 | 2,690.70 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|------------------|---|------------|----------|------------------|--------------------------|---------|
| | 3.25.19.8.9 | Level switches High | Ea | 8 | 242.16 | 1,937.30 | |
| | 3.25.19.8.10 | Pressure Gauge | Ea | 15 | 62.42 | 936.36 | |
| | 3.25.19.8.11 | Level switches Low Low | Ea | 2 | 242.16 | 484.33 | |
| | 3.25.19.8.12 | Pressure Gauge | Ea | 4 | 62.42 | 249.70 | |
| | 3.25.19.8.13 | Position switch - open | Ea | 7 | 242.16 | 1,695.14 | |
| | 3.25.19.8.14 | Position switch - Closed | Ea | 5 | 242.16 | 1,210.82 | |
| | 3.25.19.8.15 | Flow Transmitter | Ea | 20 | 215.26 | 4,305.12 | |
| | 3.25.19.8.16 | RO-Rotometer | Ea | 2 | 26.91 | 53.81 | |
| 5 | 3.25.20 | Backwash Pump station 018 | Sum | 1 | 68,283.37 | 68,283.37 | |
| 6 | 3.25.20.1 | Site Power & Light Area 018 | Lot | 1 | 0.00 | | |
| 6 | 3.25.20.2 | Site Power Area 60 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.20.2.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.20.3 | Site Power Area 68 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.20.3.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.20.4 | General site Electrical Light & power | Lot | 1 | 20,593.67 | 20,593.67 | |
| | 3.25.20.4.1 | General Lighting for WTP area | Ea | 1 | 20,593.67 | 20,593.67 | |
| 6 | 3.25.20.5 | Site electrical Cable support systems | Lot | 1 | 16,393.84 | 16,393.84 | |
| | 3.25.20.5.1 | Supply & Install Cable support systems | Lot | 1 | 16,393.84 | 16,393.84 | |
| c | 3.25.20.5.1 | Area 60 | | | | | |
| 6 | 3.25.20.6 | Installation of Instruments | Sum | 1 | 22,483.92 | 22,483.92 | |
| | 3.25.20.6.1 | Flow Indicating Transmitter+ Element | Ea | 2 | 1,289.65 | 2,579.30 | |
| | 3.25.20.6.2 | Flow Transmitter | Ea | 2 | 6,602.65 | 13,205.30 | |
| | 3.25.20.6.3 | Position switch - Closed | Ea | 2 | 571.45 | 1,142.89 | |
| | 3.25.20.6.4 | Pressure Indicating Transmitter | Ea | 1 | 3,826.80 | 3,826.80 | |
| | 3.25.20.6.5 | Pressure Gauge | Ea | 2 | 864.82 | 1,729.63 | |
| 6 | 3.25.20.7 | Pre commissioning of Instrument | Sum | 1 | 1,712.36 | 1,712.36 | |
| | 3.25.20.7.1 | Flow Indicating Transmitter+ Element | Ea | 2 | 215.26 | 430.51 | |
| | 3.25.20.7.2 | Flow Transmitter | Ea | 2 | 215.26 | 430.51 | |
| | 3.25.20.7.3 | Position switch - Closed | Ea | 2 | 242.16 | 484.33 | |
| | 3.25.20.7.4 | Pressure Indicating Transmitter | Ea | 1 | 242.16 | 242.16 | |
| | 3.25.20.7.5 | Pressure Gauge | Ea | 2 | 62.42 | 124.85 | |
| 5 | 3.25.21 | Storage shed 021 | Sum | 1 | 33,203.68 | 33,203.68 | |
| 6 | 3.25.21.1 | Site Power & Light Area 021 | Lot | 1 | 33,203.68 | 33,203.68 | |
| | 3.25.21.1.1 | Earthing of Building | Lot | 1 | 2,227.42 | 2,227.42 | |
| | 3.25.21.1.2 | Fitout Electrical Light & Power | Lot | 1 | 17,976.26 | 17,976.26 | |
| | 3.25.21.1.3 | Supply & Install Fire system | PCSum | 1 | 3,000.00 | 3,000.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|----------|------------------|---|------------|----------|-------------------|--------------------------|---------|
| | 3.25.21.1.4 | Supply & Install Security | PCSum | 1 | 10,000.00 | 10,000.00 | |
| 5 | 3.25.22 | Supernatant Return Tank & Pump station 023 | Sum | 1 | 48,552.78 | 48,552.78 | |
| 6 | 3.25.22.1 | Site Power & Light Area 023 | Lot | 1 | 0.00 | | |
| 6 | 3.25.22.2 | Site Power Area 67 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.22.2.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.22.3 | General site Electrical Light | Lot | 1 | 8,612.76 | 8,612.76 | |
| | 3.25.22.3.1 | General Lighting for WTP area | Ea | 1 | 8,612.76 | 8,612.76 | |
| 6 | 3.25.22.4 | Site electrical Cable support systems | Lot | 1 | 7,156.37 | 7,156.37 | |
| | 3.25.22.4.1 | Supply & Install Cable support systems | Lot | 1 | 7,156.37 | 7,156.37 | |
| c | 3.25.22.4.1 | Area 67 | | | | | |
| 6 | 3.25.22.5 | Installation of Instruments | Sum | 1 | 26,830.52 | 26,830.52 | |
| | 3.25.22.5.1 | Analyser Indicator Transmitter | Ea | 1 | 6,003.76 | 6,003.76 | |
| | 3.25.22.5.2 | Analyser Element | Ea | 1 | 6,003.76 | 6,003.76 | |
| | 3.25.22.5.3 | Level Indicating Transmitter | Ea | 4 | 1,403.41 | 5,613.64 | |
| | 3.25.22.5.4 | Level switches High | Ea | 1 | 1,741.89 | 1,741.89 | |
| | 3.25.22.5.5 | Pressure Gauge | Ea | 1 | 864.82 | 864.82 | |
| | 3.25.22.5.6 | Flow Transmitter | Ea | 1 | 6,602.65 | 6,602.65 | |
| 6 | 3.25.22.6 | Pre commissioning of Instrument | Sum | 1 | 2,403.34 | 2,403.34 | |
| | 3.25.22.6.1 | Analyser Indicator Transmitter | Ea | 1 | 403.61 | 403.61 | |
| | 3.25.22.6.2 | Analyser Element | Ea | 1 | 403.61 | 403.61 | |
| | 3.25.22.6.3 | Level Indicating Transmitter | Ea | 4 | 269.07 | 1,076.28 | |
| | 3.25.22.6.4 | Level switches High | Ea | 1 | 242.16 | 242.16 | |
| | 3.25.22.6.5 | Pressure Gauge | Ea | 1 | 62.42 | 62.42 | |
| | 3.25.22.6.6 | Flow Transmitter | Ea | 1 | 215.26 | 215.26 | |
| 5 | 3.25.23 | Centrate return tank & pump station 024 | Sum | 1 | 400,720.72 | 400,720.72 | |
| 6 | 3.25.23.1 | Site Power & Light Area 024 | Lot | 1 | 7,820.76 | 7,820.76 | |
| | 3.25.23.1.1 | Supply & Install Cable support systems | Lot | 1 | 7,820.76 | 7,820.76 | |
| 6 | 3.25.23.2 | Installation of Instruments | Sum | 1 | 13,205.30 | 13,205.30 | |
| | 3.25.23.2.1 | Flow Transmitter | Ea | 2 | 6,602.65 | 13,205.30 | |
| 6 | 3.25.23.3 | Pre commissioning of Instrument | Sum | 1 | 430.51 | 430.51 | |
| | 3.25.23.3.1 | Flow Transmitter | Ea | 2 | 215.26 | 430.51 | |
| c | 3.25.23.3.1 | Area 25 & 26 | | | | | |
| 6 | 3.25.23.4 | Installation of Instruments | Sum | 1 | 40,649.02 | 40,649.02 | |
| | 3.25.23.4.1 | Analyser Element | Ea | 2 | 6,003.76 | 12,007.52 | |
| | 3.25.23.4.2 | Analyser Indicator Transmitter | Ea | 2 | 6,003.76 | 12,007.52 | |
| | 3.25.23.4.3 | Position switch - open | Ea | 3 | 571.45 | 1,714.34 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|---------------------|---|------------|----------|-------------------|--------------------------|---------|
| | 3.25.23.4.4 | Position switch - Closed | Ea | 3 | 571.45 | 1,714.34 | |
| | 3.25.23.4.5 | Flow Transmitter | Ea | 2 | 6,602.65 | 13,205.30 | |
| | 6 3.25.23.5 | Pre commissioning of Instrument | Sum | 1 | 3,497.91 | 3,497.91 | |
| | 3.25.23.5.1 | Analyser Element | Ea | 2 | 403.61 | 807.21 | |
| | 3.25.23.5.2 | Analyser Indicator Transmitter | Ea | 2 | 403.61 | 807.21 | |
| | 3.25.23.5.3 | Position switch - open | Ea | 3 | 242.16 | 726.49 | |
| | 3.25.23.5.4 | Position switch - Closed | Ea | 3 | 242.16 | 726.49 | |
| | 3.25.23.5.5 | Flow Transmitter | Ea | 2 | 215.26 | 430.51 | |
| c | 3.25.23.5.1 | Area 04,10,12,16 & 27 | | | | | |
| | 6 3.25.23.6 | Installation of Instruments | Sum | 1 | 75,038.55 | 75,038.55 | |
| | 3.25.23.6.1 | Analyser Element | Ea | 2 | 6,003.76 | 12,007.52 | |
| | 3.25.23.6.2 | Analyser Indicator Transmitter | Ea | 2 | 6,003.76 | 12,007.52 | |
| | 3.25.23.6.3 | Level switches High | Ea | 6 | 1,741.89 | 10,451.34 | |
| | 3.25.23.6.4 | Flow Transmitter | Ea | 2 | 6,602.65 | 13,205.30 | |
| | 3.25.23.6.5 | Flow Switch | Ea | 17 | 1,609.82 | 27,366.87 | |
| | 6 3.25.23.7 | Pre commissioning of Instrument | Sum | 1 | 5,785.01 | 5,785.01 | |
| | 3.25.23.7.1 | Analyser Element | Ea | 2 | 403.61 | 807.21 | |
| | 3.25.23.7.2 | Analyser Indicator Transmitter | Ea | 2 | 403.61 | 807.21 | |
| | 3.25.23.7.3 | Level switches High | Ea | 6 | 242.16 | 1,452.98 | |
| | 3.25.23.7.4 | Flow Transmitter | Ea | 2 | 215.26 | 430.51 | |
| | 3.25.23.7.5 | Flow Switch | Ea | 17 | 134.54 | 2,287.10 | |
| c | 3.25.23.7.1 | Area 82 & 83 | | | | | |
| | 6 3.25.23.8 | Site Power Area 82 | Lot | 1 | 13,992.45 | 13,992.45 | |
| | 3.25.23.8.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.23.8.2 | General Lighting for WTP area | Ea | 1 | 10,442.66 | 10,442.66 | |
| | 6 3.25.23.9 | Site electrical Cable support systems | Lot | 1 | 10,532.18 | 10,532.18 | |
| | 3.25.23.9.1 | Supply & Install Cable support systems | Lot | 1 | 10,532.18 | 10,532.18 | |
| | 6 3.25.23.10 | Site Power Area 83 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.23.10.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 6 3.25.23.11 | Installation of Instruments | Sum | 1 | 139,828.08 | 139,828.08 | |
| | 3.25.23.11.1 | Analyser Element | Ea | 8 | 6,003.76 | 48,030.07 | |
| | 3.25.23.11.2 | Analyser Indicator Transmitter | Ea | 8 | 6,003.76 | 48,030.07 | |
| | 3.25.23.11.3 | Flow Indicating Transmitter+ Element | Ea | 2 | 1,289.65 | 2,579.30 | |
| | 3.25.23.11.4 | Level switches High | Ea | 2 | 1,741.89 | 3,483.78 | |
| | 3.25.23.11.5 | Pressure Gauge | Ea | 1 | 864.82 | 864.82 | |
| | 3.25.23.11.6 | Pressure Indicating Transmitter | Ea | 1 | 3,826.80 | 3,826.80 | |
| | 3.25.23.11.7 | Flow Transmitter | Ea | 5 | 6,602.65 | 33,013.24 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|--------------|---|------|-----|--------------|--------------------------|---------|
| 6 | 3.25.23.12 | Pre commissioning of Instrument | Sum | 1 | 8,753.38 | 8,753.38 | |
| | 3.25.23.12.1 | Analyser Element | Ea | 8 | 403.61 | 3,228.84 | |
| | 3.25.23.12.2 | Analyser Indicator Transmitter | Ea | 8 | 403.61 | 3,228.84 | |
| | 3.25.23.12.3 | Flow Indicating Transmitter+ Element | Ea | 2 | 215.26 | 430.51 | |
| | 3.25.23.12.4 | Level switches High | Ea | 2 | 242.16 | 484.33 | |
| | 3.25.23.12.5 | Pressure Gauge | Ea | 1 | 62.42 | 62.42 | |
| | 3.25.23.12.6 | Pressure Indicating Transmitter | Ea | 1 | 242.16 | 242.16 | |
| | 3.25.23.12.7 | Flow Transmitter | Ea | 5 | 215.26 | 1,076.28 | |
| 6 | 3.25.23.13 | Site Power Area 71 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.23.13.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.23.14 | Site Power Area 78 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.23.14.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| 6 | 3.25.23.15 | General site Electrical Light | Lot | 1 | 17,992.45 | 17,992.45 | |
| | 3.25.23.15.1 | Fitout Electrical Light | Lot | 1 | 17,992.45 | 17,992.45 | |
| 6 | 3.25.23.16 | Site electrical Cable support systems | Lot | 1 | 22,602.43 | 22,602.43 | |
| | 3.25.23.16.1 | Supply & Install Cable support systems | Lot | 1 | 22,602.43 | 22,602.43 | |
| c | 3.25.23.16.1 | Area 71 | | | | | |
| 6 | 3.25.23.17 | Installation of Instruments | Sum | 1 | 12,741.69 | 12,741.69 | |
| | 3.25.23.17.1 | Flow Indicating Transmitter+ Element | Ea | 2 | 1,289.65 | 2,579.30 | |
| | 3.25.23.17.2 | Level Indicating Transmitter | Ea | 3 | 1,403.41 | 4,210.23 | |
| | 3.25.23.17.3 | Level switches High | Ea | 3 | 1,741.89 | 5,225.67 | |
| | 3.25.23.17.4 | Level switches High | Ea | 3 | 242.16 | 726.49 | |
| 6 | 3.25.23.18 | Pre commissioning of Instrument | Sum | 1 | 1,237.72 | 1,237.72 | |
| | 3.25.23.18.1 | Flow Indicating Transmitter+ Element | Ea | 2 | 215.26 | 430.51 | |
| | 3.25.23.18.2 | Level Indicating Transmitter | Ea | 3 | 269.07 | 807.21 | |
| 6 | 3.25.23.19 | Site Power Area 02 | Lot | 1 | 3,549.79 | 3,549.79 | |
| | 3.25.23.19.1 | S + I power outlets (1 * 240vac 10a + 1 * 415vac 32A)) | Lot | 1 | 3,549.79 | 3,549.79 | |
| c | 3.25.23.19.1 | Area 02 | | | | | |
| 6 | 3.25.23.20 | Installation of Instruments | Sum | 1 | 11,610.14 | 11,610.14 | |
| | 3.25.23.20.1 | Pressure Gauge | Ea | 9 | 864.82 | 7,783.34 | |
| | 3.25.23.20.2 | Pressure Indicating Transmitter | Ea | 1 | 3,826.80 | 3,826.80 | |
| 6 | 3.25.23.21 | Pre commissioning of Instrument | Sum | 1 | 803.98 | 803.98 | |
| | 3.25.23.21.1 | Pressure Gauge | Ea | 9 | 62.42 | 561.82 | |
| | 3.25.23.21.2 | Pressure Indicating Transmitter | Ea | 1 | 242.16 | 242.16 | |
| 3 | 4 | Contractor's Contingency & Fee | Item | 1 | 5,729,885.00 | 5,729,885.00 | |

| Level | Item | Description | Unit | Qty | Rate | Value (Excluding GST) | Remarks |
|-------|-------|---|------|-----|--------------|--------------------------|---|
| 4 | 4.1 | Contractor's Risk | Item | 1 | 1,123,507.00 | 1,123,507.00 | |
| | 4.1.1 | Contractor's contingency | Item | 1 | 1,123,507.00 | 1,123,507.00 | Benchmark 2.5% |
| 4 | 4.2 | Contractor's Fee | Item | 1 | 4,606,378.00 | 4,606,378.00 | |
| | 4.2.1 | Contractor's corporate overheads & margin | Item | 1 | 4,606,378.00 | 4,606,378.00 | ~9% total cost forecast |
| 3 | 5 | Escalation | Item | 1 | 7,859,130.00 | 7,859,130.00 | |
| | 5.1 | | Item | 1 | 7,859,130.00 | 7,859,130.00 | Forecast Design commences May 2025, Contract Award August 2026, completion August 2027, escalation 2025 4%, 2026 and 2027 3.80% based on National Wage Index Forecast |
| | | Escalation allowance | | | | | |
| 3 | 6 | Contingency | Item | 1 | 6,597,688.00 | 6,597,688.00 | |
| | 6.1 | P90 Risk assessment of cost certainty using Monte Carlo analysis with @RISK | Item | 1 | 6,597,688.00 | 6,597,688.00 | |