
INDEX TO BILL OF QUANTITIES

| | | |
|-----------------------|-----------|---------------------------------------|
| <u>SECTION</u> | 1 | Addington Outfall Extension |
| PART | AA | PRELIMINARIES |
| PART | AB | GENERAL SPECIFICATIONS |
| PART | AH | OCCUPATIONAL HEALTH and SAFETY |
| PART | B | SITE CLEARANCE |
| PART | C | CONCRETE WORK |
| PART | DD | EARTHWORKS FOR STRUCTURES |
| PART | J | PILING |

Addington Outfall Extension

BILL OF QUANTITIES**SECTION 1 Addington Outfall Extension****PART AA PRELIMINARIES**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|-------------|---|--------|----------|------|-----------|
| 1 | GCC 2015 | GENERAL CONDITIONS OF CONTRACT (GCC 2015) READ IN CONJUNCTION WITH THE CONTRACT DATA Fixed Charge obligations | sum | 1 | | |
| 2 | GCC 2015 | Time Related obligations | sum | 1 | | |
| 3 | SANS 1921-1 | SANS 1921-1 : GENERAL ENGINEERING AND CONSTRUCTION WORKS READ IN CONJUNCTION WITH THE ASSOCIATED SPECIFICATION DATA IN THE SCOPE OF WORKS Fixed Charge Items | sum | 1 | | |
| 4 | SANS 1921-1 | Time Related Items | sum | 1 | | |
| 5 | PS.13 | COMMUNITY LIAISON OFFICER Allow for a CLO to be appointed. | PC Sum | 80000 | 1.00 | 80,000.00 |
| 6 | PS.12 | LOCAL LABOUR Allow for the weekly submission of proof of employment of local labour | sum | 1 | | |
| 7 | | Contractor fixed obligations | sum | 1 | | |
| 8 | | Environmental Control Officer | PC Sum | 50000 | 1.00 | 50,000.00 |

TOTAL CARRIED TO SECTION 1 SUMMARY: Addington Outfall Extension

R

PART AB GENERAL SPECIFICATIONS

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|--------|---|--------|----------|------|-----------|
| 1 | AB.2 | FIXED CHARGES Offices for Engineer and Staff | sum | 1 | | |
| 2 | AB.2 | Services Connection Fee (electrical / water / telephone) (Provisional) | PC sum | 10000 | 1.00 | 10,000.00 |
| 3 | AB.4 | Contractor's Camp Site / Store Yard | sum | 1 | | |
| 4 | AB.5 | Notice Board | sum | 1 | | |
| 5 | AB.7 | Initial supply of all signs, barricades and delineators | sum | 1 | | |
| 6 | | Survey coordination of existing valves, manholes, catchpits, and cable duct markers | sum | 1 | | |

Addington Outfall Extension

Part Continued **PART AB GENERAL SPECIFICATIONS**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|---------|---|------|----------|------|--------|
| 7 | | Allow for the following Additional Items which the tenderer requires to be priced separately :- | sum | 1 | | |
| | | a) | | | | |
| 8 | | b) | sum | 1 | | |
| 9 | | c) | sum | 1 | | |
| 10 | AB.2 | Attendance on and Maintenance of Office for Engineer and Staff | sum | 1 | | |
| 11 | AB.6 | Cost of Samples and Contractor's Preliminary and Site Control Testing | sum | 1 | | |
| 12 | AB.7 | Maintenance of Pedestrian and Traffic Facilities | sum | 1 | | |
| 13 | AB.7 | Maintenance of all signs, barricades and delineators | sum | 1 | | |
| 14 | | Survey for, and Preparation of, 'As-Built' Drawings | sum | 1 | | |
| 15 | PS.11 | Site Security | sum | 1 | | |
| 16 | PS.AB.5 | Maintenace of Stormwater Outfall lines for the contract duration | sum | 1 | | |

TOTAL CARRIED TO SECTION 1 SUMMARY: Addington Outfall Extension

R

PART AH OCCUPATIONAL HEALTH and SAFETY

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|---------|---|------|----------|------|--------|
| 1 | AH.14.1 | Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations | sum | 1 | | |
| 2 | AH.14.2 | Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations | sum | 1 | | |
| 3 | AH.14.3 | Submission of the Health and Safety File | sum | 1 | | |

TOTAL CARRIED TO SECTION 1 SUMMARY: Addington Outfall Extension

R

PART B SITE CLEARANCE

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|--------|---|------|----------|------|--------|
| 1 | B.8.2 | General clearance and grubbing in contractor's camp site | m2 | 300 | | |
| 2 | B.8.11 | Removal of reinforced concrete | m3 | 3 | | |
| 3 | PS.B.1 | Removal and Clearance of sand within the existing culvert | m3 | 10 | | |

TOTAL CARRIED TO SECTION 1 SUMMARY: Addington Outfall Extension

R

Addington Outfall Extension

PART C CONCRETE WORK

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|-----------|--|----------------|----------|------|------------|
| 1 | PS.C.6 | Manufacture and installation of 3m precast reinforced concrete box culvert units (See tender drawing for detail). Volume per unit is approximately 4.62m ³ . Price to include all shuttering, lifting and placement for installation, and necessary works required. Reinforcing steel to be priced separately. | no. | 22 | | |
| 2 | C.8.2 | Galvanised high tensile steel reinforcement | t | 12 | | |
| 3 | C.8.2 | Galvanised mild steel reinforcement | t | 1.2 | | |
| 4 | C.8.1 | Grade 40/19 concrete in pile caps | m ³ | 17 | | |
| 5 | C.8.3 | Class 3a shuttering to pile caps | m ² | 80 | | |
| 6 | PS.C.5.21 | Joint Sealing between precast units (See tender drawing for detail) | sum | 1 | | |
| 7 | PS.C.7 | Xypex Admixture to concrete | kg | 600 | | |
| 8 | | GRP Handrails | PC Sum | 400000 | 1.00 | 400,000.00 |

TOTAL CARRIED TO SECTION 1 SUMMARY: Addington Outfall Extension

R

PART DD EARTHWORKS FOR STRUCTURES

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|--------|--------------------------------------|----------------|----------|------|--------|
| 1 | DD.8.2 | Excavate in all material for culvert | m ³ | 300 | | |

TOTAL CARRIED TO SECTION 1 SUMMARY: Addington Outfall Extension

R

PART J PILING

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|------|--------------------|--|----------|----------|------|-----------|
| 1 | J.8.1 | Establish CFA piling equipment site | sum | 1 | | |
| 2 | J.8.2 | Setting up at pile positions | no. | 46 | | |
| 3 | J.8.10 PS.J.1.1 | Construct 400mm diameter (12m length) CFA pile - Straight pile - Reinforcing to be priced separately | no. | 46 | | |
| 4 | PS.J.1.2 | Supply and install PVC sleeves to piles (top 3m of pile) | no. | 46 | | |
| 5 | J.8.9 PS.J.2 | Galvanised high tensile steel reinforcement | t | 7 | | |
| 6 | J.8.9 | Galvanised mild steel reinforcement | t | 0.7 | | |
| 7 | PS.J.2 | Integrity testing of piles | no. | 46 | | |
| 8 | PS.J.5.1.4 | Delays in piling (Unit: per hour) | RateOnly | 0 | | RATE ONLY |
| 9 | PS.C.7 | Xypex Admixture to concrete | kg | 350 | | |

Addington Outfall Extension

Part Continued **PART** **J** **PILING**

| Item | Clause | Description | Unit | Quantity | Rate | Amount |
|--|---------------|--|------|----------|------|----------|
| 10 | J.8.12 PS.J.3 | Strip head of 400 mm diameter cast insitu pile | no. | 46 | | |
| TOTAL CARRIED TO SECTION 1 SUMMARY: Addington Outfall Extension | | | | | | R |

BILL OF QUANTITIES SECTION SUMMARY

SECTION 1 Addington Outfall Extension

| | | | |
|--------------------------------|----|--------------------------------|--|
| PART | AA | PRELIMINARIES | |
| PART | AB | GENERAL SPECIFICATIONS | |
| PART | AH | OCCUPATIONAL HEALTH and SAFETY | |
| PART | B | SITE CLEARANCE | |
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| TOTAL CARRIED TO FINAL SUMMARY | | | |

SUMMARY OF BILL OF QUANTITIES

Section

| | | | | |
|---|--------------------------------|---|----------|----------------|
| 1 | Addington Outfall Extension | | R | _____ |
| AA | PRELIMINARIES | R | | _____ |
| AB | GENERAL SPECIFICATIONS | R | | _____ |
| AH | OCCUPATIONAL HEALTH and SAFETY | R | | _____ |
| B | SITE CLEARANCE | R | | _____ |
| C | CONCRETE WORK | R | | _____ |
| DD | EARTHWORKS FOR STRUCTURES | R | | _____ |
| J | PILING | R | | _____ |
| SUB TOTAL | | | | R _____ |
| ADD VAT (15%) - (only if a registered VAT Vendor) | | | | R _____ |
| TOTAL CARRIED TO FORM OF TENDER | | | | R _____ |