

4. Breakdown of Direct Cost

Part A Facilities for the Engineer

A(1)a Provision of Combined Field Office/Laboratory Bldg. and Living Quarter

Unit: 1.00 L.S.

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|---|-------|----------|---------------|-------|--------|-------|-------|------------|------------|--------------|----------------|--------------|--------------|--------------|---------|
| | | | | Component (%) | | | | | | Labor | Material | Component (PP) | | Local | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | | | Equipment | Foreign | | | |
| W3001 | Site Preparation for Engineer's Field Office and Living Quarters | m2 | 1,800.00 | 1.5% | 8.2% | 90.3% | 54.4% | 45.6% | 2.53 | 68.31 | 373.43 | 4,112.26 | 2,477.48 | 2,076.52 | 4,554.00 | |
| W0105 | Excavation, Backhoe 0.61m3 | m3 | 181.28 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 326.23 | 622.81 | 6,465.31 | 3,920.61 | 3,493.74 | 7,414.35 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 52.77 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 399.72 | 724.01 | 3,783.88 | 2,526.14 | 2,381.47 | 4,907.61 | |
| W0132 | Backfill B | m3 | 128.51 | 7.7% | 10.0% | 82.3% | 51.3% | 48.7% | 111.00 | 1,091.51 | 1,428.48 | 11,744.62 | 7,313.52 | 6,951.09 | 14,264.61 | |
| W0161 | Gravel Foundation Fill | m3 | 58.98 | 24.0% | 13.4% | 62.7% | 39.7% | 60.3% | 413.00 | 5,940.50 | 3,311.40 | 15,519.83 | 9,822.47 | 14,949.27 | 24,771.74 | |
| W0203 | Concrete (Class A, 21MPa, max agg. 38mm) | m3 | 16.93 | 2.6% | 80.1% | 17.4% | 56.7% | 43.3% | 1,620.00 | 699.49 | 21,959.67 | 4,767.44 | 15,553.30 | 11,873.30 | 27,426.60 | |
| W0202 | Concrete (Class B, 17MPa, max agg. 50mm) | m3 | 54.00 | 3.0% | 75.9% | 21.1% | 56.1% | 43.9% | 1,390.00 | 2,278.96 | 56,936.07 | 15,844.97 | 42,109.52 | 32,950.48 | 75,060.00 | |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 70.93 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 2,831.93 | 35.74 | 15,361.34 | 8,232.16 | 9,996.85 | 18,229.01 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 70.93 | 74.0% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 222.85 | 22.73 | 53.04 | 41.67 | 256.95 | 298.62 | |
| W0241 | Formwork (reinforced concrete 1K4m) | m2 | 138.16 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 18,347.75 | 12,357.36 | 242.73 | 903.07 | 30,044.77 | 30,947.84 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 2,584.50 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 9,145.34 | 46,371.76 | 4,701.75 | 32,515.13 | 27,703.72 | 60,218.85 | |
| W3002 | 150mm Thick Concrete Hollow Block Wall | m2 | 116.00 | 12.6% | 84.3% | 3.1% | 36.5% | 63.5% | 331.00 | 4,807.00 | 32,382.69 | 1,206.31 | 14,018.75 | 24,377.25 | 38,396.00 | |
| W3002a | 100mm Thick Concrete Hollow Block Wall | m2 | 44.88 | 13.6% | 83.0% | 3.5% | 37.5% | 62.5% | 305.00 | 1,858.89 | 11,355.21 | 474.30 | 5,127.80 | 8,560.60 | 13,688.40 | |
| W3003 | Structural Steel Fabrication and Erection for Engineers Office and Living Quarter | t | 21.31 | 7.6% | 66.5% | 25.8% | 60.1% | 39.9% | 39,400.00 | 64,016.22 | 558,670.57 | 216,927.21 | 504,905.72 | 334,708.28 | 839,614.00 | |
| W3004 | Prepainted Corrugated G.I. Roofing Fabrication & Erection | m2 | 526.19 | 8.2% | 79.7% | 12.1% | 54.4% | 45.6% | 160.00 | 6,901.63 | 67,082.50 | 10,206.28 | 45,785.32 | 38,405.08 | 84,190.40 | |
| W3005 | Prepainted Steel Wall Panels on Steel Frames with Insulation | m2 | 150.27 | 2.5% | 92.9% | 4.6% | 62.1% | 37.9% | 628.00 | 2,337.00 | 87,715.93 | 4,316.63 | 58,624.05 | 35,745.51 | 94,369.56 | |
| W3006 | Prepainted Steel Wall Partitions on Steel Frames with Insulation (Double Walling) | m2 | 152.31 | 2.5% | 92.9% | 4.6% | 62.1% | 37.9% | 624.00 | 2,369.17 | 88,299.31 | 4,372.96 | 59,055.05 | 35,986.39 | 95,041.44 | |
| W3007 | Plain Cement Floor Finish | m2 | 312.00 | 7.6% | 85.2% | 7.2% | 54.3% | 45.7% | 63.50 | 1,507.01 | 16,880.48 | 1,424.51 | 10,759.47 | 9,052.53 | 19,812.00 | |
| W3008 | Plain Cement Floor Finish with non skid cement with groove lines | m2 | 204.00 | 8.1% | 84.8% | 7.2% | 54.0% | 46.0% | 63.80 | 1,048.89 | 11,033.46 | 932.85 | 7,033.52 | 5,981.68 | 13,015.20 | |
| W3009 | Unglazed Tile Finish (8" x 8") | m2 | 24.00 | 1.6% | 97.9% | 0.5% | 60.2% | 39.8% | 589.00 | 233.07 | 13,832.95 | 69.98 | 8,514.82 | 5,821.18 | 14,136.00 | |
| W3010 | Gypsum Board Ceiling | m2 | 336.00 | 1.6% | 97.9% | 0.5% | 60.2% | 39.8% | 351.00 | 1,944.46 | 115,407.70 | 583.84 | 71,038.71 | 46,897.29 | 117,936.00 | |
| W3013 | Doors & Windows for Engineer's Field Office and Living Quarters | L.S. | 1.00 | 5.2% | 90.7% | 4.1% | 41.3% | 58.7% | 355,000.00 | 18,636.48 | 321,979.49 | 14,384.02 | 146,761.79 | 208,238.21 | 365,000.00 | |
| W3014 | Lighting and Powers | L.S. | 1.00 | 5.0% | 93.5% | 1.5% | 56.6% | 43.4% | 138,000.00 | 6,913.31 | 129,057.28 | 2,029.41 | 78,158.91 | 59,841.09 | 138,000.00 | |
| W3015 | Sewer Water Line | L.S. | 1.00 | 4.4% | 94.9% | 0.7% | 49.8% | 50.2% | 115,000.00 | 5,106.03 | 109,096.94 | 797.03 | 67,747.85 | 57,747.85 | 115,000.00 | |
| W3016 | Septic Tank | each | 1.00 | 14.3% | 63.6% | 22.1% | 44.2% | 55.8% | 20,700.00 | 2,969.15 | 13,160.19 | 4,570.66 | 9,147.34 | 11,552.66 | 20,700.00 | |
| W3017 | Cyclone Fence and Gate for the Engineer's Office | m | 40.00 | 3.2% | 93.2% | 3.6% | 49.1% | 50.9% | 1,840.00 | 2,351.09 | 68,609.35 | 2,639.56 | 36,133.28 | 37,466.72 | 73,600.00 | |
| W3018 | Barbed Wire Fence for the Engineer's Office | m | 130.00 | 5.4% | 92.8% | 1.7% | 14.7% | 85.3% | 127.00 | 895.76 | 15,325.71 | 288.52 | 2,418.94 | 14,091.06 | 16,510.00 | |
| W3019 | Temporary Office Rental | month | 3.00 | 0.0% | 0.0% | 100.0% | 15.0% | 85.0% | 18,000.00 | 0.00 | 0.00 | 54,000.00 | 8,100.00 | 45,900.00 | 54,000.00 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 165,247.76 | 1,804,033.22 | 401,821.24 | 1,248,250.70 | 1,122,851.53 | 2,371,102.23 | |
| | Components (%) | | | | | | | | | 7.0% | 76.1% | 16.9% | 52.6% | 47.4% | 100.0% | |
| | Unit Rate | L.S. | | | | | | | | 165,170.95 | 1,803,194.60 | 401,634.45 | 1,247,670.41 | 1,122,329.56 | 2,370,000.00 | |

A(1)b Maintenance of Field Office/Laboratory Bldg. and Living Quarter

Unit: 1.00 month

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|-------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|----------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L020 | Unskilled Labor | md | 122.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 38,465.00 | 0.00 | 0.00 | 0.00 | 38,465.00 | 38,465.00 | |
| L020 | Unskilled Labor | md | 50.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 15,700.00 | 0.00 | 0.00 | 0.00 | 15,700.00 | 15,700.00 | |
| L019 | Skilled Labor | md | 25.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 10,075.00 | 0.00 | 0.00 | 0.00 | 10,075.00 | 10,075.00 | |
| L020 | Unskilled Labor | md | 25.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 7,850.00 | 0.00 | 0.00 | 0.00 | 7,850.00 | 7,850.00 | |
| M01009 | Electric Supply | kWh | 2,200.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 4.00 | 0.00 | 8,800.00 | 0.00 | 4,400.00 | 4,400.00 | 8,800.00 | |
| M01010 | Water Supply | m3 | 20.00 | 0.0% | 100.0% | 0.0% | 10.0% | 90.0% | 66.20 | 0.00 | 1,324.00 | 0.00 | 132.40 | 1,191.60 | 1,324.00 | |
| M01020 | Propane Gas | kg | 25.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 32.60 | 0.00 | 815.00 | 0.00 | 407.50 | 407.50 | 815.00 | |
| W3101 | Miscellaneous for Office & Living Quarter Maintenance | month | 1.00 | 0.0% | 84.6% | 15.4% | 34.5% | 65.5% | 1,020.00 | 0.00 | 862.78 | 157.22 | 351.39 | 668.61 | 1,020.00 | |
| | Miscellaneous | LS | 1.00 | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 72,090.00 | 11,801.78 | 157.22 | 5,291.29 | 78,757.71 | 84,049.00 | |
| Components (%) | | | | | | | | | | 85.8% | 14.0% | 0.2% | 6.3% | 93.7% | 100.0% | |
| Unit Rate | | | month | | | | | | | 72,047.97 | 11,794.90 | 157.13 | 5,288.21 | 78,711.79 | 84,000.00 | |

A(1)c Provision of Furniture and Fixtures for the Field Office/Laboratory and Living Quarter

Unit: 1.00 L.S.

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|-------|--------|-------|-------|------------|----------------|------------|-----------|------------|------------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W3102 | Furniture and Fixtures for Field Office | L.S. | 1.00 | 0.1% | 99.1% | 0.8% | 34.5% | 65.5% | 332,000.00 | 493.07 | 328,877.23 | 2,629.70 | 114,671.09 | 217,328.91 | 332,000.00 | |
| W3105 | Furniture and Fixtures for Living Quarter | L.S. | 1.00 | 0.1% | 99.1% | 0.8% | 31.9% | 68.1% | 217,000.00 | 322.28 | 214,958.91 | 1,718.81 | 69,301.41 | 147,698.59 | 217,000.00 | |
| | Miscellaneous | LS | 1.00 | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 815.35 | 543,836.14 | 4,348.51 | 183,972.49 | 365,027.51 | 549,000.00 | |
| Components (%) | | | | | | | | | | 0.1% | 99.1% | 0.8% | 33.5% | 66.5% | 100.0% | |
| Unit Rate | | | L.S. | | | | | | | 815.35 | 543,836.14 | 4,348.51 | 183,972.49 | 365,027.51 | 549,000.00 | |

A(1)d Provision of Equipment and Appliances for the Field Office/Laboratory Bldg. and Living Quarter

Unit: 1.00 L.S.

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|-------|--------|-------|-------|------------|----------------|------------|-----------|------------|------------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W3103 | Equipment and Appliances for Field Office | L.S. | 1.00 | 0.1% | 99.1% | 0.8% | 73.0% | 27.0% | 225,000.00 | 334.16 | 222,863.66 | 1,782.18 | 164,316.33 | 60,683.67 | 225,000.00 | |
| W3106 | Equipment and Appliances for Living Quarter | L.S. | 1.00 | 0.1% | 99.1% | 0.8% | 39.8% | 60.2% | 87,600.00 | 130.10 | 86,776.04 | 693.86 | 34,892.75 | 52,707.25 | 87,600.00 | |
| | Miscellaneous | LS | 1.00 | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 464.26 | 309,639.70 | 2,476.04 | 199,209.08 | 113,390.92 | 312,600.00 | |
| Components (%) | | | | | | | | | | 0.1% | 99.1% | 0.8% | 63.7% | 36.3% | 100.0% | |
| Unit Rate | | | L.S. | | | | | | | 464.85 | 310,055.94 | 2,479.21 | 199,463.99 | 113,636.01 | 313,000.00 | |

A(1)e Provision of Office Supplies and Consumable

Unit: 32.00 month

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|-------------------------------------|-------|----------|---------------|-------|--------|-------|-------|------------|----------------|------------|-----------|------------|------------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W3111 | Office & Living Quarter Supplies | L.S. | 1.00 | 0.3% | 98.1% | 1.6% | 50.9% | 49.1% | 14,300.00 | 42.06 | 14,033.83 | 224.31 | 7,275.31 | 7,024.69 | 14,300.00 | |
| W3112 | Office & Living Quarter Consumables | month | 32.00 | 0.3% | 98.1% | 1.6% | 36.6% | 63.4% | 16,200.00 | 1,524.71 | 508,743.83 | 8,131.75 | 184,479.97 | 333,920.03 | 518,400.00 | |
| | Miscellaneous | LS | 1.00 | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 1,566.76 | 522,777.16 | 8,356.08 | 191,755.27 | 340,944.73 | 532,700.00 | |
| Components (%) | | | | | | | | | | 0.3% | 98.1% | 1.6% | 36.0% | 64.0% | 100.0% | |
| Unit Rate | | | month | | | | | | | 48.82 | 16,290.78 | 260.39 | 5,975.48 | 10,624.52 | 16,600.00 | |

A(1)f Provide/Operate/Maintain Communication Equipment

Unit: 32.00 month

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|-----------|---------------|--------|--------|-------|--------|------------|----------------|------------|-----------|-----------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| | Office Telephone | set | 1.00 | 0.0% | 100.0% | 0.0% | 80.0% | 20.0% | 1,000.00 | 0.00 | 1,000.00 | 0.00 | 800.00 | 200.00 | 1,000.00 | |
| | Facsimile Machine | set | 1.00 | 0.0% | 100.0% | 0.0% | 80.0% | 20.0% | 27,000.00 | 0.00 | 27,000.00 | 0.00 | 21,600.00 | 5,400.00 | 27,000.00 | |
| | Radio System (1 base + 4 portable receiver) | set | 1.00 | 0.0% | 100.0% | 0.0% | 80.0% | 20.0% | 41,000.00 | 0.00 | 41,000.00 | 0.00 | 32,800.00 | 8,200.00 | 41,000.00 | |
| L012 | Electrician | md | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 421.00 | 421.00 | 0.00 | 0.00 | 0.00 | 421.00 | 421.00 | |
| M01015 | Telecommunication Fare | min | 96,000.00 | 0.0% | 100.0% | 0.0% | 45.0% | 55.0% | 1.00 | 0.00 | 96,000.00 | 0.00 | 43,200.00 | 52,800.00 | 96,000.00 | |
| | Miscellaneous | LS | 1.00 | 5.0% | 55.0% | 40.0% | 65.0% | 45.0% | 1.00 | 82.71 | 909.82 | 661.68 | 909.82 | 744.39 | 1,654.21 | 1.0% |
| Total | | | | | | | | | | 503.71 | 165,909.82 | 661.68 | 99,309.82 | 67,765.39 | 167,075.21 | |
| Components (%) | | | | | | | | | | 0.3% | 99.3% | 0.4% | 59.4% | 40.6% | 100.0% | |
| Unit Rate | | | month | | | | | | | 15.74 | 5,183.59 | 20.67 | 3,102.78 | 2,117.22 | 5,220.00 | |

Miscellaneous covers the costs for cables & wires, maintenance, etc.

A(2)a Provision of vehicles (sedan) for the Engineer (Rental including operation & maintenance)

Unit: 1.00 veh-m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------------|---------------------------------|-------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|-----------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| L004 MO1006 | Mazda B2200 double cab (diesel) | month | 1.00 | 0.0% | 0.0% | 100.0% | 85.0% | 15.0% | 52,800.00 | 0.00 | 0.00 | 52,800.00 | 44,880.00 | 7,920.00 | 52,800.00 | 1.0% |
| | Driver | md | 34.38 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 368.00 | 12,651.84 | 0.00 | 0.00 | 0.00 | 12,651.84 | 12,651.84 | |
| | Gasoline | ltr | 375.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 14.20 | 0.00 | 5,325.00 | 0.00 | 3,461.25 | 1,863.75 | 5,325.00 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 55.0% | 35.0% | 55.0% | 45.0% | 70.78 | 389.27 | 247.72 | 389.27 | 318.50 | 707.77 | | |
| Total | | | | | | | | | 12,722.62 | 5,714.27 | 53,047.72 | 48,730.52 | 22,754.09 | 71,484.61 | | |
| Components (%) | | | | | | | | | 17.8% | 8.0% | 74.2% | 68.2% | 31.8% | 100.0% | | |
| Unit Rate | | | veh-m | | | | | | 12,725.36 | 5,715.50 | 53,059.14 | 48,741.01 | 22,758.99 | 71,500.00 | | |

Miscellaneous covers the cost for ancillaries, maintenance expense, extra overtime, etc.
Bare Monthly Rental Cost = 52,800.00 PP/month

A(2)b Provision of vehicles (wagon) for the Engineer (Rental including operation & maintenance)

Unit: 1.00 veh-m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------------|------------------------|-------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|-----------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| L004 MO1006 | Nissan Pathfinder, 4x4 | month | 1.00 | 0.0% | 0.0% | 100.0% | 85.0% | 15.0% | 67,800.00 | 0.00 | 0.00 | 67,800.00 | 57,630.00 | 10,170.00 | 67,800.00 | 1.0% |
| | Driver | md | 34.38 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 368.00 | 12,651.84 | 0.00 | 0.00 | 12,651.84 | 12,651.84 | | |
| | Gasoline | ltr | 375.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 14.20 | 0.00 | 5,325.00 | 0.00 | 3,461.25 | 1,863.75 | 5,325.00 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 55.0% | 35.0% | 55.0% | 45.0% | 85.78 | 471.77 | 300.22 | 471.77 | 386.00 | 857.77 | | |
| Total | | | | | | | | | 12,737.62 | 5,798.77 | 68,100.22 | 61,583.02 | 25,071.59 | 86,654.61 | | |
| Components (%) | | | | | | | | | 14.7% | 6.7% | 78.6% | 71.1% | 28.9% | 100.0% | | |
| Unit Rate | | | veh-m | | | | | | 12,732.53 | 5,794.46 | 68,073.01 | 61,538.43 | 25,061.57 | 86,600.00 | | |

Miscellaneous covers the cost for ancillaries, maintenance expense, extra overtime, etc.
Bare Monthly Rental Cost = 67,800.00 PP/month

A(2)c Provision of vehicles (pick-up) for the Engineer (Rental including operation & maintenance)

Unit: 1.00 veh-m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------------|---------------------|-------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|-----------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| L004 MO1006 | Isuzu Pickup 2 door | month | 1.00 | 0.0% | 0.0% | 100.0% | 85.0% | 15.0% | 31,550.00 | 0.00 | 0.00 | 31,550.00 | 26,817.50 | 4,732.50 | 31,550.00 | 1.0% |
| | Driver | md | 34.38 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 368.00 | 12,651.84 | 0.00 | 0.00 | 12,651.84 | 12,651.84 | | |
| | Gasoline | ltr | 375.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 14.20 | 0.00 | 5,325.00 | 0.00 | 3,461.25 | 1,863.75 | 5,325.00 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 55.0% | 35.0% | 55.0% | 45.0% | 49.53 | 272.40 | 173.34 | 272.40 | 222.87 | 495.27 | | |
| Total | | | | | | | | | 12,701.37 | 5,597.40 | 31,723.34 | 30,551.15 | 19,470.96 | 50,022.11 | | |
| Components (%) | | | | | | | | | 25.4% | 11.2% | 63.4% | 61.1% | 38.9% | 100.0% | | |
| Unit Rate | | | veh-m | | | | | | 12,695.75 | 5,594.92 | 31,709.32 | 30,537.64 | 19,462.36 | 50,000.00 | | |

Miscellaneous covers the cost for ancillaries, maintenance expense, extra overtime, etc.
Bare Monthly Rental Cost = 31,550.00 PP/month

A(3) Provision of Testing Equipment, Apparatus and Publications

Unit: 1.00 L.S.

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------------|--|------|----------|---------------|--------|--------|--------|-------|------------|----------------|------------|------------|------------|--------------|------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| | Testing equipment & apparatus for soil & aggregates | L.S. | 1.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 318,000.00 | 0.00 | 318,000.00 | 0.00 | 222,600.00 | 95,400.00 | 318,000.00 | 0.5% |
| | Testing equipment & apparatus for concrete | L.S. | 1.00 | 0.0% | 100.0% | 0.0% | 75.0% | 25.0% | 447,000.00 | 0.00 | 447,000.00 | 0.00 | 335,250.00 | 111,750.00 | 447,000.00 | |
| | Testing equipment & apparatus for bituminous materials | L.S. | 1.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 250,000.00 | 0.00 | 250,000.00 | 0.00 | 175,000.00 | 75,000.00 | 250,000.00 | |
| | Publication | L.S. | 1.00 | 0.0% | 100.0% | 0.0% | 100.0% | 0.0% | 20,700.00 | 0.00 | 20,700.00 | 0.00 | 20,700.00 | 0.00 | 20,700.00 | |
| | Miscellaneous | LS | 1.00 | 15.0% | 15.0% | 70.0% | 45.0% | 55.0% | 776.78 | 776.78 | 3,624.95 | 2,330.33 | 2,848.18 | 5,178.50 | | |
| Total | | | | | | | | | 776.78 | 1,036,476.78 | 3,624.95 | 755,880.33 | 284,998.18 | 1,040,878.50 | | |
| Components (%) | | | | | | | | | 0.1% | 99.8% | 0.3% | 72.6% | 27.4% | 100.0% | | |
| Unit Rate | | | L.S. | | | | | | 776.12 | 1,035,601.99 | 3,621.89 | 755,242.36 | 284,757.64 | 1,040,000.00 | | |

Miscellaneous covers the costs for delivery, installation, etc.

A(4) Progress Photographs Unit: 100.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-----------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|----------|----------|------------|-------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L019 | Skilled Labor | md | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 403.00 | 0.00 | 0.00 | 0.00 | 403.00 | 403.00 | |
| M15101 | Film ASA 400 x 36 | each | 11.11 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 169.00 | 0.00 | 1,877.59 | 0.00 | 1,314.31 | 563.28 | 1,877.59 | Loss 300.0% |
| M15102 | Film Development | each | 11.11 | 0.0% | 100.0% | 0.0% | 15.0% | 85.0% | 45.00 | 0.00 | 499.95 | 0.00 | 74.99 | 424.96 | 499.95 | Loss 300.0% |
| M15103 | Picture Prints | each | 1,400.00 | 0.0% | 100.0% | 0.0% | 15.0% | 85.0% | 6.00 | 0.00 | 8,400.00 | 0.00 | 1,260.00 | 7,140.00 | 8,400.00 | Loss 300.0% |
| | Miscellaneous | LS | 1.00 | 0.0% | 90.0% | 10.0% | 55.0% | 45.0% | 0.00 | 0.00 | 503.12 | 55.90 | 307.46 | 251.56 | 559.03 | 5.0% |
| | Total | | | | | | | | 403.00 | 403.00 | 11,280.66 | 55.90 | 2,956.77 | 8,782.80 | 11,739.57 | |
| | Components (%) | | | | | | | | 3.4% | 96.1% | 0.5% | 25.2% | 74.8% | 100.0% | | |
| | Unit Rate | each | | | | | | | 4.02 | 112.43 | 0.56 | 29.47 | 87.53 | 117.00 | | |

Miscellaneous covers the cost for album, glue, scissors, etc.
Number of copies to be submitted = 10

Part C Barhwork

100(1) Clearing and Grubbing Unit: 1.00 ha

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-----------------------|------|-----------|---------------|------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0001 | Grass Cutting | m2 | 10,000.00 | 90.9% | 0.9% | 8.2% | 4.5% | 95.5% | 1.09 | 9,909.09 | 99.09 | 891.82 | 495.45 | 10,404.55 | 10,900.00 | |
| W0002 | Tree Cutting | m2 | 1,000.00 | 92.6% | 0.7% | 6.7% | 3.7% | 96.3% | 0.91 | 845.37 | 6.76 | 60.87 | 33.81 | 879.19 | 913.00 | |
| W0003 | Grubbing | m2 | 1,000.00 | 4.0% | 7.9% | 88.1% | 53.0% | 47.0% | 24.90 | 996.74 | 1,975.41 | 21,927.85 | 13,208.68 | 11,691.32 | 24,900.00 | |
| W0004 | Burning | m2 | 1,000.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 1.90 | 1,900.00 | 0.00 | 0.00 | 0.00 | 1,900.00 | 1,900.00 | |
| | Miscellaneous | LS | 1.00 | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | 13,651.20 | 2,081.26 | 22,880.53 | 13,737.95 | 24,875.05 | 38,613.00 | | |
| | Components (%) | | | | | | | | 35.4% | 5.4% | 59.3% | 35.6% | 64.4% | 100.0% | | |
| | Unit Rate | hs | | | | | | | 13,646.61 | 2,080.56 | 22,872.83 | 13,733.33 | 24,866.67 | 38,600.00 | | |

100(3) Individual Removal of Trees, small (150mm ≤ φ < 900mm) Unit: 30.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-----------------------|------|----------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|----------|----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.88 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 498.08 | 0.00 | 0.00 | 0.00 | 498.08 | 498.08 | |
| L019 | Skilled Labor | md | 1.65 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 664.95 | 0.00 | 0.00 | 0.00 | 664.95 | 664.95 | |
| L020 | Unskilled Labor | md | 3.26 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,023.64 | 0.00 | 0.00 | 0.00 | 1,023.64 | 1,023.64 | |
| L020 | Unskilled Labor | md | 0.82 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 257.48 | 0.00 | 0.00 | 0.00 | 257.48 | 257.48 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 10.0% | 90.0% | 55.0% | 45.0% | 0.00 | 0.00 | 19.55 | 175.98 | 107.54 | 87.99 | 195.53 | 8.0% |
| | Total | | | | | | | | 2,444.15 | 19.55 | 175.98 | 107.54 | 2,532.14 | 2,638.68 | | |
| | Components (%) | | | | | | | | 92.6% | 0.7% | 6.7% | 4.1% | 95.9% | 100.0% | | |
| | Unit Rate | each | | | | | | | 81.48 | 0.65 | 5.87 | 3.59 | 84.41 | 88.00 | | |

Miscellaneous covers the cost for chain saw, ax, etc.

100(4) Individual Removal of Trees, large (φ > 900mm) Unit: 25.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-----------------------|------|----------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|----------|----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.01 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 571.66 | 0.00 | 0.00 | 0.00 | 571.66 | 571.66 | |
| L019 | Skilled Labor | md | 2.13 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 858.39 | 0.00 | 0.00 | 0.00 | 858.39 | 858.39 | |
| L020 | Unskilled Labor | md | 3.53 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,108.42 | 0.00 | 0.00 | 0.00 | 1,108.42 | 1,108.42 | |
| L020 | Unskilled Labor | md | 0.82 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 257.48 | 0.00 | 0.00 | 0.00 | 257.48 | 257.48 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 10.0% | 90.0% | 55.0% | 45.0% | 0.00 | 0.00 | 22.37 | 201.31 | 123.02 | 100.65 | 223.68 | 8.0% |
| | Total | | | | | | | | 2,795.95 | 22.37 | 201.31 | 123.02 | 2,896.60 | 3,019.63 | | |
| | Components (%) | | | | | | | | 92.6% | 0.7% | 6.7% | 4.1% | 95.9% | 100.0% | | |
| | Unit Rate | each | | | | | | | 112.04 | 0.90 | 8.07 | 4.93 | 116.07 | 121.00 | | |

Miscellaneous covers the cost for chain saw, ax, etc.

101(1) Removal of Structures and Obstructions Unit: 1.00 L.S.

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|---|------|----------|---------------|-------|--------|-------|-------|------------|----------------|-----------|-----------|-----------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0011 | Demolition by Crawler Drill (Lightly Reinforced Structures) | m3 | 94.4 | 11.6% | 6.3% | 82.0% | 48.7% | 51.3% | 624.00 | 6,848.58 | 3,740.44 | 48,316.59 | 28,667.02 | 30,238.58 | 58,905.60 | |
| W0025 | Disposal of Demolished Debris | m3 | 94.4 | 16.2% | 12.9% | 70.9% | 46.9% | 53.1% | 137.00 | 2,101.30 | 1,667.04 | 9,164.46 | 6,062.52 | 6,870.28 | 12,932.80 | |
| | Miscellaneous | LS | 1.0 | 0.0% | 16.0% | 85.0% | 55.0% | 45.0% | 0.00 | 0.00 | 1,077.58 | 6,406.26 | 3,951.11 | 3,232.73 | 7,183.84 | 10.0% |
| | Total | | | | | | | | 8,949.88 | 6,485.05 | 63,587.31 | 38,689.66 | 40,341.58 | 79,022.24 | | |
| | Components (%) | | | | | | | | 11.3% | 8.2% | 80.5% | 48.9% | 51.1% | 100.0% | | |
| | Unit Rate | L.S. | | | | | | | 8,947.36 | 6,483.23 | 63,569.41 | 38,669.77 | 40,330.23 | 79,000.00 | | |

Miscellaneous covers the cost for earthworks, clearing, etc.

101(2)a Removal of Existing Pedestrian Bridge (San Jose, at Bridge No.2)

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|---|-------------|----------|---------------|-------|--------|-------|-------|------------|-----------------|-----------------|------------------|------------------|------------------|------------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0012 | Demolition by Crawler Drill (Heavily Reinforced Structures) | m3 | 44.80 | 12.5% | 7.5% | 80.0% | 48.2% | 51.8% | 1,280.00 | 7,173.19 | 4,316.52 | 45,854.29 | 27,627.18 | 29,716.82 | 57,344.00 | |
| W0025 | Disposal of Demolished Debris | m3 | 44.80 | 16.2% | 12.9% | 70.9% | 46.9% | 53.1% | 137.00 | 997.23 | 791.14 | 4,349.24 | 2,877.13 | 3,260.47 | 6,137.60 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 15.0% | 85.0% | 55.0% | 45.0% | | 0.00 | 476.11 | 2,697.97 | 1,745.74 | 1,428.34 | 3,174.08 | 5.0% |
| | Total | | | | | | | | | 8,170.42 | 5,583.77 | 52,991.50 | 32,250.05 | 34,405.63 | 66,655.68 | |
| | Components (%) | | | | | | | | | 12.3% | 8.4% | 79.4% | 48.4% | 51.6% | 100.0% | |
| | Unit Rate | each | | | | | | | | 8,175.85 | 5,587.48 | 52,936.67 | 32,271.49 | 34,428.51 | 66,700.00 | |

Miscellaneous covers the cost for clearing, extra earthworks, etc.

101(2)b Removal of Existing Bridge (Piaridel at Bridge No.9)

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|---|-------------|----------|---------------|-------|--------|-------|-------|------------|------------------|-----------------|------------------|------------------|------------------|-------------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0012 | Demolition by Crawler Drill (Heavily Reinforced Structures) | m3 | 68.25 | 12.5% | 7.5% | 80.0% | 48.2% | 51.8% | 1,280.00 | 10,927.90 | 6,575.95 | 69,856.15 | 42,088.28 | 45,271.72 | 87,360.00 | |
| W0025 | Disposal of Demolished Debris | m3 | 68.25 | 16.2% | 12.9% | 70.9% | 46.9% | 53.1% | 137.00 | 1,519.22 | 1,205.25 | 6,525.79 | 4,383.13 | 4,967.12 | 9,350.25 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 15.0% | 85.0% | 55.0% | 45.0% | | 0.00 | 725.33 | 4,110.19 | 2,659.53 | 2,175.98 | 4,835.51 | 5.0% |
| | Total | | | | | | | | | 12,447.12 | 8,506.52 | 80,592.12 | 49,130.94 | 52,414.82 | 101,545.76 | |
| | Components (%) | | | | | | | | | 12.3% | 8.4% | 79.4% | 48.4% | 51.6% | 100.0% | |
| | Unit Rate | each | | | | | | | | 12,502.80 | 8,544.57 | 80,952.63 | 49,350.71 | 52,649.29 | 102,000.00 | |

Miscellaneous covers the cost for clearing, extra earthworks, etc.

101(3)a Removal of Existing PCC Pavement

Unit: 10.00 m2

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|---|-----------|----------|---------------|-------|--------|-------|-------|------------|----------------|--------------|---------------|---------------|---------------|---------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0015 | Demolition of PCC Pavement by Crawler Drill | m2 | 10.00 | 3.4% | 6.5% | 90.1% | 53.2% | 46.8% | 56.50 | 19.16 | 36.57 | 509.27 | 300.59 | 264.41 | 565.00 | |
| W0025 | Disposal of Demolished Debris | m3 | 2.50 | 16.2% | 12.9% | 70.9% | 46.9% | 53.1% | 137.00 | 55.65 | 44.15 | 242.70 | 160.55 | 181.95 | 342.50 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 74.81 | 80.72 | 751.97 | 461.15 | 446.35 | 907.50 | |
| | Components (%) | | | | | | | | | 8.2% | 8.9% | 82.9% | 50.8% | 49.2% | 100.0% | |
| | Unit Rate | m2 | | | | | | | | 7.48 | 8.08 | 75.24 | 46.14 | 44.66 | 90.80 | |

101(3)b Removal of Existing Gravel Pavement

Unit: 10.00 m2

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-------------------------------|-----------|----------|---------------|-------|--------|-------|-------|------------|----------------|--------------|---------------|---------------|---------------|---------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0016 | Excavation of Gravel Pavement | m3 | 2.50 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 10.30 | 1.13 | 2.16 | 22.45 | 13.62 | 13.13 | 25.75 | |
| W0025 | Disposal of Demolished Debris | m3 | 2.50 | 16.2% | 12.9% | 70.9% | 46.9% | 53.1% | 137.00 | 55.65 | 44.15 | 242.70 | 160.55 | 181.95 | 342.50 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 56.78 | 46.31 | 265.15 | 174.17 | 194.08 | 368.25 | |
| | Components (%) | | | | | | | | | 15.4% | 12.6% | 72.0% | 47.3% | 52.7% | 100.0% | |
| | Unit Rate | m2 | | | | | | | | 5.67 | 4.63 | 26.50 | 17.41 | 19.39 | 36.80 | |

101(4)a Removal of Existing Fence (Net Fence with Barbed Wire and Wooden Posts)

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-------------------------------|----------|----------|---------------|-------|--------|-------|--------|------------|-----------------|--------------|---------------|---------------|-----------------|-----------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 283.00 | 0.00 | 0.00 | 0.00 | 283.00 | 283.00 | |
| L009 | Welder | md | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 500.00 | 0.00 | 0.00 | 0.00 | 500.00 | 500.00 | |
| L020 | Unskilled Labor | md | 1.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 471.00 | 0.00 | 0.00 | 0.00 | 471.00 | 471.00 | |
| W0025 | Disposal of Demolished Debris | m3 | 4.32 | 16.2% | 12.9% | 70.9% | 46.9% | 53.1% | 137.00 | 96.16 | 76.29 | 419.39 | 277.44 | 314.40 | 591.84 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.46 | 1.0% |
| | Total | | | | | | | | | 1,350.16 | 76.29 | 419.39 | 277.44 | 1,568.40 | 1,864.30 | |
| | Components (%) | | | | | | | | | 72.4% | 4.1% | 22.5% | 14.9% | 84.1% | 100.0% | |
| | Unit Rate | m | | | | | | | | 13.47 | 0.76 | 4.18 | 2.77 | 15.65 | 18.60 | |

Miscellaneous covers the cost for wire cutter, acetylene gas, etc.

101(4)b Removal of Existing Fence (Net Fence with Barbed Wire and Concrete Posts)

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks | |
|-----------|-------------------------------|------|----------|---------------|-------|--------|-------|--------|------------|-----------------|---------------|---------------|---------------|-----------------|-----------------|---------|------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | | |
| L002 | Foreman | nd | 0.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | | | | | | | | |
| L009 | Welder | nd | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 283.00 | 0.00 | 0.00 | 0.00 | 283.00 | 283.00 | | |
| L020 | (Unskilled Labor) | nd | 1.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 500.00 | 0.00 | 0.00 | 0.00 | 500.00 | 500.00 | | |
| RO204-020 | Pneumatic Breaker, Handhold | day | 0.09 | 0.0% | 0.0% | 100.0% | 54.3% | 45.7% | 457.00 | 471.00 | 0.00 | 0.00 | 0.00 | 471.00 | 471.00 | | |
| W0025 | Disposal of Demolished Debris | m3 | 5.76 | 16.2% | 12.9% | 70.9% | 46.9% | 53.1% | 137.00 | 0.00 | 101.72 | 559.19 | 369.92 | 419.20 | 789.12 | | |
| | Miscellaneous | LS | 1.00 | 0.0% | 20.0% | 80.0% | 55.0% | 45.0% | 137.00 | 128.22 | 0.00 | 4.17 | 18.67 | 11.46 | 9.38 | 20.84 | 1.0% |
| | Total | | | | | | | | | 1,382.22 | 105.89 | 616.99 | 403.71 | 1,701.38 | 2,105.09 | | |
| | Components (%) | | | | | | | | | 65.7% | 5.0% | 29.3% | 19.2% | 80.8% | 100.0% | | |
| | Unit Rate | m | | | | | | | | 13.85 | 1.06 | 6.18 | 4.05 | 17.05 | 21.10 | | |

Miscellaneous covers the cost for wire cutter, acetylene gas, etc.

101(4)c Removal of Existing Fence (Concrete Hollow Block)

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|-------------------------------|------|----------|---------------|-------|--------|-------|--------|------------|-----------------|---------------|-----------------|-----------------|-----------------|-----------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | nd | 1.30 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 735.80 | 0.00 | 0.00 | 0.00 | 735.80 | 735.80 | |
| L019 | Skilled Labor | nd | 4.86 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 1,958.58 | 0.00 | 0.00 | 0.00 | 1,958.58 | 1,958.58 | |
| L020 | Unskilled Labor | nd | 3.32 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,042.48 | 0.00 | 0.00 | 0.00 | 1,042.48 | 1,042.48 | |
| RO204-020 | Pneumatic Breaker, Handhold | day | 3.40 | 0.0% | 0.0% | 100.0% | 54.3% | 45.7% | 457.00 | 0.00 | 0.00 | 1,553.80 | 843.61 | 710.19 | 1,553.80 | |
| W0025 | Disposal of Demolished Debris | m3 | 27.00 | 16.2% | 12.9% | 70.9% | 46.9% | 53.1% | 137.00 | 601.01 | 476.80 | 2,621.19 | 1,733.98 | 1,965.02 | 3,699.00 | |
| | Miscellaneous | LS | 1.00 | | | | | | 137.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 4,337.37 | 476.80 | 4,174.99 | 2,577.60 | 6,412.06 | 8,989.66 | |
| | Components (%) | | | | | | | | | 48.3% | 5.3% | 46.4% | 28.7% | 71.3% | 100.0% | |
| | Unit Rate | m | | | | | | | | 43.38 | 4.77 | 41.75 | 25.78 | 64.12 | 89.90 | |

101(5)a Removal of Existing Guardrails

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|--|------|----------|---------------|-------|--------|-------|--------|------------|-----------------|---------------|-----------------|---------------|-----------------|-----------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L020 | Unskilled Labor | nd | 8.70 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 2,731.80 | 0.00 | 0.00 | 0.00 | 2,731.80 | 2,731.80 | |
| RO601-006 | Dump Truck, 6.0-9.0 cu-yds (4.6-6.9m3) | hr | 2.25 | 10.0% | 17.9% | 72.1% | 50.8% | 49.2% | 603.00 | 135.68 | 242.86 | 978.22 | 688.93 | 667.82 | 1,356.75 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 20.0% | 80.0% | 55.0% | 45.0% | 137.00 | 0.00 | 16.35 | 85.42 | 44.97 | 36.80 | 81.77 | 2.0% |
| | Total | | | | | | | | | 2,867.48 | 259.21 | 1,043.63 | 733.90 | 3,436.42 | 4,170.32 | |
| | Components (%) | | | | | | | | | 68.8% | 6.2% | 25.0% | 17.6% | 82.4% | 100.0% | |
| | Unit Rate | m | | | | | | | | 28.67 | 2.59 | 10.44 | 7.34 | 34.36 | 41.70 | |

Miscellaneous covers the cost for minor tools such as hammer, shovels, carts, etc.

101(5)b Relocation of Existing Guardrails

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-----------------|------|----------|---------------|-------|--------|-------|--------|------------|------------------|---------------|---------------|---------------|------------------|------------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L020 | Unskilled Labor | nd | 37.70 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 11,837.80 | 0.00 | 0.00 | 0.00 | 11,837.80 | 11,837.80 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 60.0% | 40.0% | 55.0% | 45.0% | 137.00 | 0.00 | 355.13 | 236.76 | 325.54 | 266.35 | 591.89 | 5.0% |
| | Total | | | | | | | | | 11,837.80 | 355.13 | 236.76 | 325.54 | 12,104.15 | 12,429.69 | |
| | Components (%) | | | | | | | | | 95.2% | 2.9% | 1.9% | 2.6% | 97.4% | 100.0% | |
| | Unit Rate | m | | | | | | | | 118.10 | 3.54 | 2.36 | 3.25 | 120.75 | 124.00 | |

Miscellaneous covers the cost for missing fixtures, minor tools such as hammer, shovels, carts, etc.

101(7) Removal of Existing Slope Protection

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|---|------|----------|---------------|-------|--------|-------|-------|------------|----------------|---------------|-----------------|-----------------|-----------------|-----------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0011 | Demolition by Crawler Drill (Lightly Reinforced Structures) | m3 | 10.00 | 11.6% | 6.3% | 82.0% | 48.7% | 51.3% | 624.00 | 725.48 | 396.23 | 5,118.28 | 3,036.76 | 3,203.24 | 6,240.00 | |
| W0025 | Disposal of Demolished Debris | m3 | 10.00 | 16.2% | 12.9% | 70.9% | 46.9% | 53.1% | 137.00 | 222.60 | 176.59 | 970.81 | 642.22 | 727.78 | 1,370.00 | |
| | Miscellaneous | LS | 1.00 | 5.0% | 10.0% | 85.0% | 55.0% | 45.0% | 137.00 | 3.81 | 7.61 | 64.69 | 41.86 | 34.25 | 76.10 | 1.0% |
| | Total | | | | | | | | | 951.89 | 580.44 | 6,153.78 | 3,720.83 | 3,965.27 | 7,686.10 | |
| | Components (%) | | | | | | | | | 12.4% | 7.6% | 80.1% | 48.4% | 51.6% | 100.0% | |
| | Unit Rate | m3 | | | | | | | | 95.24 | 58.07 | 615.69 | 372.27 | 396.73 | 769.00 | |

Miscellaneous covers the cost for earthworks, clearing, etc. as required.

101(8) Removal of Existing Slope Protection (Hand-laid Rock)

Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-------------------------------|------|----------|---------------|-------|--------|-------|-------|------------|----------------|---------------|-----------------|---------------|---------------|-----------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0105 | Excavation, Backhoe 0.6m3 | m3 | 10.00 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 18.00 | 34.36 | 356.65 | 216.27 | 192.73 | 409.00 | |
| W0025 | Disposal of Demolished Debris | m3 | 10.00 | 16.2% | 12.9% | 70.9% | 46.9% | 53.1% | 137.00 | 222.60 | 176.59 | 970.81 | 642.22 | 727.78 | 1,370.00 | |
| | Miscellaneous | LS | 1.00 | 5.0% | 10.0% | 85.0% | 55.0% | 45.0% | | 0.89 | 1.78 | 15.12 | 9.78 | 8.01 | 17.79 | 1.0% |
| | Total | | | | | | | | | 241.48 | 212.73 | 1,342.58 | 868.27 | 928.52 | 1,796.79 | |
| | Components (%) | | | | | | | | | 13.4% | 11.8% | 74.7% | 48.3% | 51.7% | 100.0% | |
| | Unit Rate | m3 | | | | | | | | 24.19 | 21.31 | 134.60 | 86.98 | 93.02 | 180.00 | |

Miscellaneous covers the cost for earthworks, clearing, etc. as required.

101(9) Removal of Existing Gabion

Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-------------------------------|------|----------|---------------|-------|--------|-------|--------|------------|----------------|---------------|-----------------|---------------|-----------------|-----------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L020 | Unskilled Labor | md | 0.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 125.60 | 0.00 | 0.00 | 0.00 | 125.60 | 125.60 | |
| W0105 | Excavation, Backhoe 0.6m3 | m3 | 10.00 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 18.00 | 34.36 | 356.65 | 216.27 | 192.73 | 409.00 | |
| W0025 | Disposal of Demolished Debris | m3 | 10.00 | 16.2% | 12.9% | 70.9% | 46.9% | 53.1% | 137.00 | 222.60 | 176.59 | 970.81 | 642.22 | 727.78 | 1,370.00 | |
| | Miscellaneous | LS | 1.00 | 0 | 0 | 1 | 1 | 0 | | 0.95 | 1.90 | 16.19 | 10.48 | 8.57 | 19.05 | 1.0% |
| | Total | | | | | | | | | 367.14 | 212.85 | 1,343.65 | 868.97 | 1,054.68 | 1,923.65 | |
| | Components (%) | | | | | | | | | 19.1% | 11.1% | 69.8% | 45.2% | 54.8% | 100.0% | |
| | Unit Rate | m3 | | | | | | | | 36.84 | 21.25 | 134.11 | 86.73 | 105.27 | 192.00 | |

Miscellaneous covers the cost for earthworks, clearing, etc. as required.

SPL 101(10)a Relocation of Existing Transmission Line

Unit: 1.00 L.S.

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|---|------|-----------|---------------|--------|--------|-------|--------|------------|-------------------|---------------------|-------------------|---------------------|---------------------|---------------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0011 | Demolition by Crawler Drill (Lightly Reinforced Structures) | m3 | 9.00 | 11.6% | 6.3% | 82.0% | 48.7% | 51.3% | 624.00 | 652.94 | 356.61 | 4,606.45 | 2,733.08 | 2,882.92 | 5,816.00 | |
| W0025 | Disposal of Demolished Debris | m3 | 9.00 | 16.2% | 12.9% | 70.9% | 46.9% | 53.1% | 137.00 | 200.34 | 158.93 | 873.73 | 577.99 | 655.01 | 1,233.00 | |
| W0105 | Excavation, Backhoe 0.6m3 | m3 | 525.46 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 945.62 | 1,805.27 | 18,740.42 | 11,364.32 | 10,126.99 | 21,491.31 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 278.45 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 2,109.18 | 3,820.38 | 19,966.29 | 13,329.61 | 12,566.24 | 25,895.85 | |
| W0132 | Backfill B | m3 | 247.01 | 7.7% | 10.0% | 82.3% | 51.3% | 48.7% | 111.00 | 2,098.00 | 2,745.70 | 22,574.41 | 14,057.38 | 13,360.73 | 27,418.11 | |
| W0201 | Lean Concrete (17MPa, max agg. 38mm) | m3 | 13.72 | 2.7% | 78.5% | 18.8% | 56.4% | 43.6% | 1,510.00 | 569.43 | 16,259.25 | 3,888.63 | 11,694.54 | 9,022.66 | 20,717.20 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 13.45 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 538.50 | 5.62 | 2,320.73 | 1,243.83 | 1,621.02 | 2,864.85 | |
| W0236 | Concrete Curing (plain concrete) | m3 | 13.45 | 70.9% | 8.7% | 20.4% | 16.0% | 84.0% | 8.85 | 84.42 | 10.38 | 24.23 | 19.04 | 99.99 | 119.03 | |
| W0243 | Formwork (lean concrete) | m2 | 6.56 | 41.3% | 68.0% | 0.8% | 3.8% | 96.2% | 152.00 | 411.34 | 577.96 | 7.42 | 38.09 | 959.03 | 997.12 | |
| W0203 | Concrete (Class A, 21MPa, max agg. 38mm) | m3 | 284.07 | 2.6% | 80.1% | 17.4% | 56.7% | 43.3% | 1,620.00 | 11,736.85 | 368,463.32 | 79,993.23 | 260,970.23 | 199,223.17 | 460,193.40 | Loss 2.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 278.50 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 11,119.29 | 140.34 | 60,314.86 | 32,322.80 | 39,251.70 | 71,574.50 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 278.50 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 874.99 | 89.25 | 208.25 | 163.62 | 1,008.87 | 1,172.49 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 188.00 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 24,966.54 | 16,815.17 | 330.29 | 1,228.85 | 40,883.15 | 42,112.00 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 33,420.00 | 14.6% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 118,420.35 | 637,554.30 | 62,815.36 | 446,078.54 | 372,711.46 | 818,790.00 | |
| L002 | Foreman | md | 3.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 1,698.00 | 0.00 | 0.00 | 0.00 | 1,698.00 | 1,698.00 | |
| L009 | Welder | md | 5.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 2,500.00 | 0.00 | 0.00 | 0.00 | 2,500.00 | 2,500.00 | |
| L012 | Electrician | md | 10.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 421.00 | 4,210.00 | 0.00 | 0.00 | 0.00 | 4,210.00 | 4,210.00 | |
| L019 | Skilled Labor | md | 5.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 2,015.00 | 0.00 | 0.00 | 0.00 | 2,015.00 | 2,015.00 | |
| L020 | Unskilled Labor | md | 5.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,570.00 | 0.00 | 0.00 | 0.00 | 1,570.00 | 1,570.00 | |
| M02015 | Structural Steel (Plates, S5400) | kg | 50,246.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 1,014,969.20 | 0.00 | 710,478.44 | 304,490.76 | 1,014,969.20 | |
| M13051 | Electric Cable | m | 12,960.00 | 0.0% | 100.0% | 0.0% | 55.0% | 45.0% | 62.30 | 0.00 | 807,408.00 | 0.00 | 444,074.40 | 363,333.60 | 807,408.00 | |
| R0604-020 | Trailer 20t | hr | 3.14 | 3.8% | 10.7% | 85.5% | 53.3% | 46.7% | 1,670.00 | 199.26 | 561.09 | 4,483.45 | 2,795.27 | 2,448.53 | 5,243.80 | |
| R0901-025 | Welding Machine 250A | day | 5.00 | 0.0% | 39.8% | 60.2% | 58.6% | 41.4% | 588.00 | 0.00 | 1,170.12 | 1,769.88 | 1,722.42 | 1,217.58 | 2,940.00 | |
| R1001-200 | Generator 151-200 kW | day | 5.00 | 0.0% | 47.6% | 52.4% | 59.4% | 40.6% | 5,280.00 | 0.00 | 12,566.40 | 13,833.60 | 15,687.09 | 10,712.91 | 26,400.00 | |
| R0402-060 | Truck Crane, Hydraulic 51-60t | hr | 17.13 | 2.9% | 5.1% | 92.0% | 53.4% | 46.6% | 2,500.00 | 1,241.93 | 2,184.08 | 39,399.00 | 22,848.31 | 19,976.69 | 42,825.00 | |
| R0501-006 | Dump Truck, 6.0-9.0 cu-yds (4.6-6.9m3) | hr | 6.28 | 10.0% | 17.9% | 72.1% | 50.8% | 49.2% | 603.00 | 378.68 | 677.84 | 2,730.31 | 1,922.88 | 1,863.96 | 3,786.84 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 40.0% | 50.0% | 55.0% | 45.0% | | 102,472.82 | 409,891.28 | 512,364.11 | 563,800.52 | 461,127.69 | 1,024,728.21 | 30.0% |
| | Total | | | | | | | | | 291,013.36 | 3,298,230.49 | 851,245.06 | 2,558,951.26 | 1,881,537.66 | 4,440,488.91 | |
| | Components (%) | | | | | | | | | 6.6% | 74.3% | 19.2% | 42.4% | 100.0% | | |
| | Unit Rate | L.S. | | | | | | | | 290,981.32 | 3,297,867.35 | 851,151.34 | 2,558,669.50 | 1,881,330.50 | 4,440,000.00 | |

Miscellaneous covers the costs for ancillary electric instruments and fixtures, overhead of the electric company, arrangement expense, minor tools, etc.

SPL 101(10)b Shutdown Charge for the Relocation of Transmission Line

Unit: 1.00 day

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks |
|----------|-----------------------|------|------------|---------------|--------|--------|-------|--------|------------|----------------|--------------|-----------|--------------|--------------|--------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | |
| L002 | Foreman | md | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 566.00 | 0.00 | 0.00 | 0.00 | 566.00 | 566.00 |
| L012 | Electrician | md | 2.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 421.00 | 842.00 | 0.00 | 0.00 | 0.00 | 842.00 | 842.00 |
| M01009 | Electric Supply | kWh | 500,000.00 | 0.0% | 100.0% | 0.0% | 0.0% | 50.0% | 4.00 | 0.00 | 2,000,000.00 | 0.00 | 1,000,000.00 | 1,000,000.00 | 2,000,000.00 |
| | Miscellaneous | LS | 1.00 | 15.0% | 60.0% | 25.0% | 30.0% | 70.0% | | 6,004.22 | 24,016.90 | 10,007.04 | 12,008.45 | 28,019.71 | 40,028.16 |
| | Total | | | | | | | | | 7,412.22 | 2,024,016.90 | 10,007.04 | 1,012,008.45 | 1,028,028.71 | 2,041,436.16 |
| | Components (%) | | | | | | | | | 0.4% | 99.1% | 0.5% | 0.5% | 49.6% | 100.0% |
| | Unit Rate | day | | | | | | | | 7,407.01 | 2,022,592.99 | 10,000.00 | 1,011,296.50 | 1,028,703.50 | 2,040,000.00 |

Miscellaneous covers the cost for maintenance expense, compensation, etc.
 Average daily consumption per household = 100.00 kWh/day
 Affected number of household = 5,000 household

101(11) Removal of Existing Combination Concrete Curb & Gutter/Side Strip

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks |
|----------|--|------|----------|---------------|-------|--------|-------|-------|------------|----------------|----------|-----------|----------|----------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | |
| W0013 | Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures) | m3 | 13.55 | 27.3% | 14.7% | 58.0% | 40.9% | 59.1% | 892.00 | 3,299.87 | 1,772.15 | 7,014.58 | 4,947.10 | 7,139.50 | 12,086.60 |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 13.55 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 102.64 | 185.91 | 971.60 | 648.65 | 611.50 | 1,260.15 |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 50.0% | 50.0% | | 13.35 | 40.04 | 80.08 | 66.73 | 66.73 | 133.47 |
| | Total | | | | | | | | | 3,415.85 | 1,998.10 | 8,066.27 | 5,662.48 | 7,817.74 | 13,480.22 |
| | Components (%) | | | | | | | | | 25.3% | 14.8% | 59.8% | 42.0% | 54.0% | 100.0% |
| | Unit Rate | m | | | | | | | | 34.21 | 20.01 | 80.78 | 56.71 | 78.29 | 135.00 |

Miscellaneous covers the costs for recovering, recompaction, etc. of the disturbed base course, cart, shovels, minor tools, etc.

101(12) Relocation of Existing Road Signs

Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks |
|----------|--|------|----------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|----------|----------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | |
| W0106 | Excavation, Backhoe 0.61m3 + Manpower | m3 | 13.27 | 24.6% | 6.6% | 68.8% | 41.7% | 58.3% | 59.50 | 193.97 | 52.33 | 543.26 | 329.44 | 460.13 | 789.57 |
| W0133 | Backfill C | m3 | 13.27 | 11.4% | 11.8% | 76.7% | 49.4% | 50.6% | 145.00 | 219.74 | 227.66 | 1,476.76 | 950.58 | 973.57 | 1,924.15 |
| W0013 | Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures) | m3 | 1.26 | 27.3% | 14.7% | 58.0% | 40.9% | 59.1% | 892.00 | 306.85 | 164.79 | 652.28 | 460.03 | 663.89 | 1,123.92 |
| L002 | Foreman | md | 0.25 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 141.50 | 0.00 | 0.00 | 0.00 | 141.50 | |
| L020 | Unskilled Labor | md | 0.75 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 235.50 | 0.00 | 0.00 | 0.00 | 235.50 | |
| W0106 | Excavation, Backhoe 0.61m3 + Manpower | m3 | 13.27 | 24.6% | 6.6% | 68.8% | 41.7% | 58.3% | 59.50 | 193.97 | 52.33 | 543.26 | 329.44 | 460.13 | 789.57 |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 1.26 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 9.54 | 17.29 | 90.35 | 60.32 | 56.86 | 117.18 |
| W0133 | Backfill C | m3 | 12.01 | 11.4% | 11.8% | 76.7% | 49.4% | 50.6% | 145.00 | 198.87 | 206.04 | 1,336.54 | 860.32 | 881.13 | 1,741.45 |
| W0203 | Concrete (Class A, 21MPa, max agg. 38mm) | m3 | 1.26 | 2.6% | 80.1% | 17.4% | 56.7% | 43.3% | 1,620.00 | 52.06 | 1,634.33 | 354.81 | 1,157.54 | 883.66 | 2,041.20 |
| W0240 | Formwork (plain concrete 114m) | m2 | 12.57 | 68.9% | 40.4% | 0.8% | 2.9% | 97.1% | 222.00 | 1,642.50 | 1,126.15 | 21.89 | 82.02 | 2,708.52 | 2,790.54 |
| L002 | Foreman | md | 0.80 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 452.80 | 0.00 | 0.00 | 0.00 | 452.80 | |
| L020 | Unskilled Labor | md | 2.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 816.40 | 0.00 | 0.00 | 0.00 | 816.40 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Total | | | | | | | | | 4,463.71 | 3,480.92 | 5,019.15 | 4,229.68 | 8,734.10 | 12,963.78 |
| | Components (%) | | | | | | | | | 34.4% | 26.9% | 38.7% | 32.6% | 67.4% | 100.0% |
| | Unit Rate | each | | | | | | | | 447.62 | 349.06 | 503.32 | 424.15 | 875.85 | 1,300.00 |

101(13) Removal of Existing Road Signs

Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks |
|----------|--|------|----------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|----------|----------|----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | |
| W0106 | Excavation, Backhoe 0.61m3 + Manpower | m3 | 13.27 | 24.6% | 6.6% | 68.8% | 41.7% | 58.3% | 59.50 | 193.97 | 52.33 | 543.26 | 329.44 | 460.13 | 789.57 |
| W0133 | Backfill C | m3 | 13.27 | 11.4% | 11.8% | 76.7% | 49.4% | 50.6% | 145.00 | 219.74 | 227.66 | 1,476.76 | 950.58 | 973.57 | 1,924.15 |
| W0013 | Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures) | m3 | 1.26 | 27.3% | 14.7% | 58.0% | 40.9% | 59.1% | 892.00 | 306.85 | 164.79 | 652.28 | 460.03 | 663.89 | 1,123.92 |
| L002 | Foreman | md | 0.25 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 141.50 | 0.00 | 0.00 | 0.00 | 141.50 | |
| L020 | Unskilled Labor | md | 0.75 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 235.50 | 0.00 | 0.00 | 0.00 | 235.50 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Total | | | | | | | | | 1,097.56 | 444.78 | 2,672.30 | 1,740.04 | 2,474.60 | 4,214.64 |
| | Components (%) | | | | | | | | | 25.0% | 10.6% | 63.4% | 41.3% | 58.7% | 100.0% |
| | Unit Rate | each | | | | | | | | 109.64 | 44.43 | 266.94 | 173.81 | 247.19 | 421.00 |

101(14) Removal of Existing Concrete Revetment

Unit: 1.00 L.S.

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|-------|--------|-------|-------|------------|----------------|----------|-----------|-----------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0011 | Demolition by Crawler Drill (Lightly Reinforced Structures) | m3 | 75.00 | 11.6% | 6.3% | 82.0% | 48.7% | 51.3% | 624.00 | 5,411.13 | 2,971.75 | 38,387.12 | 22,775.71 | 24,024.29 | 46,800.00 | |
| W0025 | Disposal of Demolished Debris | m3 | 75.00 | 16.2% | 12.9% | 70.9% | 46.9% | 53.1% | 137.00 | 1,669.47 | 1,324.45 | 7,281.09 | 4,816.62 | 5,458.38 | 10,275.00 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 15.0% | 85.0% | 55.0% | 45.0% | | 0.00 | 856.13 | 4,851.38 | 3,139.13 | 2,568.38 | 5,707.50 | 10.0% |
| Total | | | | | | | | | | 7,110.60 | 5,152.32 | 50,519.58 | 30,731.46 | 32,051.04 | 62,782.50 | |
| Components (%) | | | | | | | | | | 11.3% | 8.2% | 80.5% | 48.9% | 51.1% | 100.0% | |
| Unit Rate | | | L.S. | | | | | | | 7,112.58 | 5,153.76 | 50,533.66 | 30,740.02 | 32,059.98 | 62,800.00 | |

Miscellaneous covers the cost for earthworks, clearing, etc.

102(1) Unsuitable Excavation

Unit: 100.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|-------|--------|-------|-------|------------|----------------|----------|-----------|----------|----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| R0101-021 | Tractor, crawler w/dozer (Bulldozer, 21t) | hr | 0.61 | 1.5% | 8.2% | 90.3% | 54.4% | 45.6% | 4,150.00 | 37.97 | 207.58 | 2,285.94 | 1,377.19 | 1,154.31 | 2,531.50 | |
| R0102-061 | Backhoe, hydraulic, crawler, 0.61m3 | hr | 1.77 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 1,740.00 | 135.51 | 258.70 | 2,685.59 | 1,628.56 | 1,451.24 | 3,079.80 | |
| R0601-006 | Dump Truck, 6.0-9.0 cu-yds (4.6-6.9m3) | hr | 11.45 | 10.0% | 17.9% | 72.1% | 50.8% | 49.2% | 603.00 | 690.44 | 1,235.88 | 4,978.04 | 3,505.89 | 3,398.46 | 6,904.35 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 863.92 | 1,702.16 | 9,949.57 | 6,511.64 | 6,004.01 | 12,515.65 | |
| Components (%) | | | | | | | | | | 6.9% | 13.6% | 79.5% | 52.0% | 48.0% | 100.0% | |
| Unit Rate | | | m3 | | | | | | | 8.63 | 17.00 | 99.37 | 65.03 | 59.97 | 125.00 | |

Q = 60·q·f·E/Cm (Bulldozer)

Q : Excavation capacity per hour = 164.04 m3/hr

q : Standard capacity per cycle = 2.81 m3/cycle

f : Volume coefficient = 1.00

E : Efficiency = 0.90

Cm: Cycle Time = 0.027·L + 0.79 = 0.93 min

L : Average pushing distance = 5.00 m

Q = 3600·q·f·E/Cm (Backhoe)

Q : Excavation Volume per hour = 56.64 m3/h

q : Excavation Volume per Cycle = 0.59 m3

f : Volume Coefficient = 1.00

E : Efficiency = 0.80

Cm: Cycle Time = 30.00 sec

Q = q·f·E/Cm (Dump Truck)

Q : Transportation Volume per hour = 8.73 m3/hr

q : Loading Capacity of a Truck = 6.50 m3

f : Volume Coefficient = 1.00

E : Efficiency = 0.90

Cm: Cycle Time = A + 2·L/V = 0.67 hr

V : Vehicle speed = 25.00 km/hr

a : Loading time = 0.27 hr

L : Average Distance to Disposal Point = 5.00 km

102(2) Surplus Common Excavation

Unit: 100.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|-------|--------|-------|-------|------------|----------------|----------|-----------|----------|----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| R0101-021 | Tractor, crawler w/dozer (Bulldozer, 21t) | hr | 0.61 | 1.5% | 8.2% | 90.3% | 54.4% | 45.6% | 4,150.00 | 37.97 | 207.58 | 2,285.94 | 1,377.19 | 1,154.31 | 2,531.50 | |
| R0102-061 | Backhoe, hydraulic, crawler, 0.61m3 | hr | 1.77 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 1,740.00 | 135.51 | 258.70 | 2,685.59 | 1,628.56 | 1,451.24 | 3,079.80 | |
| R0601-006 | Dump Truck, 6.0-9.0 cu-yds (4.6-6.9m3) | hr | 11.45 | 10.0% | 17.9% | 72.1% | 50.8% | 49.2% | 603.00 | 690.44 | 1,235.88 | 4,978.04 | 3,505.89 | 3,398.46 | 6,904.35 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 863.92 | 1,702.16 | 9,949.57 | 6,511.64 | 6,004.01 | 12,515.65 | |
| Components (%) | | | | | | | | | | 6.9% | 13.6% | 79.5% | 52.0% | 48.0% | 100.0% | |
| Unit Rate | | | m3 | | | | | | | 8.63 | 17.00 | 99.37 | 65.03 | 59.97 | 125.00 | |

Q = 60·q·f·E/Cm (Bulldozer)

Q : Excavation capacity per hour = 164.04 m3/hr

q : Standard capacity per cycle = 2.81 m3/cycle

f : Volume coefficient = 1.00

E : Efficiency = 0.90

Cm: Cycle Time = 0.027·L + 0.79 = 0.93 min

L : Average pushing distance = 5.00 m

Q = 3600·q·f·E/Cm (Backhoe Loading)

Q : Excavation Volume per hour = 56.64 m3/h

q : Excavation Volume per Cycle = 0.59 m3

f : Volume Coefficient = 1.00

E : Efficiency = 0.80

Cm: Cycle Time = 30.00 sec

Q = q·f·E/Cm (Dump Truck)

Q : Transportation Volume per hour = 8.73 m3/hr

q : Loading Capacity of a Truck = 6.50 m3

f : Volume Coefficient = 1.00

E : Efficiency = 0.90

Cm: Cycle Time = A + 2·L/V = 0.67 hr

V : Vehicle speed = 25.00 km/hr

a : Loading time = 0.27 hr

L : Average Distance to Disposal Point = 5.00 km

| 103(1) Structure Excavation | | | | | | | | | | | | | Unit: 100.00 m3 | | |
|-----------------------------|--|------|----------|---------------|-------|--------|-------|-------|------------|----------------|----------|-----------|-----------------|----------|-----------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks |
| | | | | Component (%) | | | | | | Component (PP) | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | |
| W0105 | Excavation, Backhoe 0.61m3 | m3 | 100.00 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 179.96 | 343.56 | 3,566.48 | 2,162.74 | 1,927.26 | 4,090.00 |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 91.90 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 241.63 | 437.67 | 2,287.39 | 1,527.08 | 1,439.62 | 2,966.70 |
| W0132 | Backfill B | m3 | 68.10 | 7.7% | 10.0% | 82.3% | 51.3% | 48.7% | 111.00 | 578.41 | 756.98 | 6,223.71 | 3,875.58 | 3,683.52 | 7,559.10 |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | | | | | | | | | | 1,000.01 | 1,538.21 | 12,077.58 | 7,565.39 | 7,050.41 | 14,615.80 |
| Components (%) | | | | | | | | | | 6.8% | 10.5% | 82.6% | 51.8% | 48.2% | 100.0% |
| Unit Rate | | | m3 | | | | | | | 9.99 | 15.37 | 120.65 | 75.57 | 70.43 | 146.00 |

| 103(2)a Bridge Excavation above OWL (Common Soil) | | | | | | | | | | | | | Unit: 100.00 m3 | | |
|---|--|------|----------|---------------|-------|--------|-------|-------|------------|----------------|----------|-----------|-----------------|----------|-----------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks |
| | | | | Component (%) | | | | | | Component (PP) | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | |
| W0105 | Excavation, Backhoe 0.61m3 | m3 | 100.00 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 179.96 | 343.56 | 3,566.48 | 2,162.74 | 1,927.26 | 4,090.00 |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 33.60 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 254.51 | 461.00 | 2,409.29 | 1,608.46 | 1,516.34 | 3,124.80 |
| W0132 | Backfill B | m3 | 66.40 | 7.7% | 10.0% | 82.3% | 51.3% | 48.7% | 111.00 | 563.97 | 738.08 | 6,068.34 | 3,778.83 | 3,591.57 | 7,370.40 |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | | | | | | | | | | 998.44 | 1,542.64 | 12,044.11 | 7,550.03 | 7,035.17 | 14,585.20 |
| Components (%) | | | | | | | | | | 6.8% | 10.6% | 82.6% | 51.8% | 48.2% | 100.0% |
| Unit Rate | | | m3 | | | | | | | 9.99 | 15.44 | 120.56 | 75.58 | 70.42 | 146.00 |

| 103(2)b Bridge Excavation above OWL (Rocky Soil) | | | | | | | | | | | | | Unit: 100.00 m3 | | |
|--|--|------|----------|---------------|-------|--------|-------|-------|------------|----------------|----------|-----------|-----------------|-----------|-----------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks |
| | | | | Component (%) | | | | | | Component (PP) | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | |
| W0108 | Excavation, Backhoe 0.61m3 + Crawler Drill | m3 | 100.00 | 3.4% | 6.5% | 90.1% | 53.2% | 46.8% | 185.00 | 627.26 | 1,197.50 | 16,675.23 | 9,842.39 | 8,657.61 | 18,500.00 |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 100.00 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 757.47 | 1,372.02 | 7,170.51 | 4,787.07 | 4,512.93 | 9,300.00 |
| W0132 | Backfill B | m3 | 0.00 | 7.7% | 10.0% | 82.3% | 51.3% | 48.7% | 111.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | | | | | | | | | | 1,384.73 | 2,569.52 | 23,845.75 | 14,629.46 | 13,170.54 | 27,800.00 |
| Components (%) | | | | | | | | | | 6.0% | 9.2% | 85.8% | 52.6% | 47.4% | 100.0% |
| Unit Rate | | | m3 | | | | | | | 13.85 | 25.70 | 238.46 | 146.29 | 131.71 | 278.00 |

| 103(2)c Bridge Excavation below OWL (Common Soil) | | | | | | | | | | | | | Unit: 100.00 m3 | | |
|---|--|------|----------|---------------|--------|--------|-------|-------|------------|----------------|-----------|-----------|-----------------|-----------|------------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks |
| | | | | Component (%) | | | | | | Component (PP) | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | |
| W0401 | Temporary Sheet Pile Driving for excavation, (Vibro Hammer, Common Soil) | m2 | 123.90 | 10.2% | 13.6% | 76.3% | 49.9% | 50.1% | 199.00 | 2,517.41 | 3,328.53 | 18,810.16 | 12,309.83 | 12,346.27 | 24,656.10 |
| W0403 | Temporary Sheet Pile Removal for excavation, (Vibro Hammer) | m2 | 123.90 | 10.2% | 13.6% | 76.3% | 49.9% | 50.1% | 169.00 | 2,135.95 | 2,824.87 | 15,978.27 | 10,454.89 | 10,484.21 | 20,939.10 |
| W0411 | Temporary Struts & Supports Installation | t | 1.98 | 33.7% | 9.5% | 56.9% | 36.9% | 63.1% | 1,390.00 | 926.75 | 260.44 | 1,565.01 | 1,015.04 | 1,737.16 | 2,752.20 |
| W0412 | Temporary Struts & Supports Removal | t | 1.98 | 35.3% | 9.1% | 55.6% | 35.7% | 64.3% | 827.00 | 578.41 | 149.46 | 909.59 | 586.19 | 1,052.27 | 1,637.46 |
| W05031 | Temporary Sheet Pile Depreciation | t-d | 520.20 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 33.30 | 0.00 | 17,322.66 | 0.00 | 8,661.33 | 8,661.33 | 17,322.66 |
| W05041 | Temporary Steel Shapes Depreciation | t-d | 55.60 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 31.30 | 0.00 | 1,740.28 | 0.00 | 870.14 | 870.14 | 1,740.28 |
| W0105 | Excavation, Backhoe 0.61m3 | m3 | 100.00 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 179.96 | 343.56 | 3,566.48 | 2,162.74 | 1,927.26 | 4,090.00 |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 23.30 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 176.49 | 319.68 | 1,670.73 | 1,115.39 | 1,051.51 | 2,166.90 |
| W0132 | Backfill B | m3 | 76.70 | 7.7% | 10.0% | 82.3% | 51.3% | 48.7% | 111.00 | 651.46 | 852.58 | 7,009.67 | 4,365.01 | 4,148.69 | 8,513.70 |
| W0431 | Temporary Drain Pump Installation & Removal | set | 0.72 | 46.2% | 7.1% | 46.6% | 29.9% | 70.1% | 2,880.00 | 958.77 | 148.01 | 966.82 | 620.84 | 1,452.76 | 2,073.60 |
| W0432 | Temporary Drain Pump Operation | day | 20.10 | 8.2% | 20.8% | 71.1% | 51.3% | 48.7% | 1,190.00 | 1,949.86 | 4,963.39 | 17,005.75 | 12,280.39 | 11,638.61 | 23,919.00 |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | | | | | | | | | | 10,075.07 | 32,253.45 | 67,482.48 | 54,440.78 | 55,370.22 | 109,811.00 |
| Components (%) | | | | | | | | | | 9.2% | 29.4% | 61.5% | 49.6% | 50.4% | 100.0% |
| Unit Rate | | | m3 | | | | | | | 100.92 | 323.09 | 675.99 | 545.34 | 554.66 | 1,100.00 |

103(2)d Bridge Excavation below OML (Rocky Soil)

Unit: 100.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|--------|--------|-------|-------|------------|----------------|-----------|-----------|-----------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0402 | Temporary Sheet Pile Driving for excavation, (Vibro Hammer, Rocky Soil) | m2 | 123.90 | 10.2% | 13.5% | 76.3% | 49.9% | 50.1% | 255.00 | 3,227.96 | 4,267.38 | 24,099.16 | 15,773.01 | 15,821.49 | 31,594.50 | |
| W0403 | Temporary Sheet Pile Removal for excavation, (Vibro Hammer) | m2 | 123.90 | 10.2% | 13.5% | 76.3% | 49.9% | 50.1% | 169.00 | 2,135.95 | 2,824.87 | 15,978.27 | 10,454.89 | 10,484.21 | 20,939.10 | |
| W0411 | Temporary Struts & Supports Installation | t | 1.98 | 23.7% | 9.5% | 66.9% | 36.9% | 63.1% | 1,390.00 | 926.75 | 260.44 | 1,585.01 | 1,015.04 | 1,737.16 | 2,752.20 | |
| W0412 | Temporary Struts & Supports Removal | t | 1.98 | 35.3% | 9.1% | 55.5% | 35.7% | 64.3% | 827.00 | 578.41 | 149.46 | 909.59 | 585.19 | 1,052.27 | 1,637.46 | |
| M05031 | Temporary Sheet Pile Depreciation | t-d | 520.20 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 33.30 | 0.00 | 17,322.66 | 0.00 | 8,661.33 | 8,661.33 | 17,322.66 | |
| M05041 | Temporary Steel Shanes Depreciation | t-d | 55.60 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 31.30 | 0.00 | 1,740.28 | 0.00 | 870.14 | 870.14 | 1,740.28 | |
| W0108 | Excavation, Backhoe 0.61m3 + Crawler Drill | m3 | 100.00 | 3.4% | 6.5% | 90.1% | 53.2% | 46.8% | 185.00 | 627.26 | 1,197.50 | 16,675.23 | 9,842.39 | 8,657.61 | 18,500.00 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 100.00 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 757.47 | 1,372.02 | 7,170.51 | 4,787.07 | 4,512.93 | 9,300.00 | |
| W0132 | Backfill B | m3 | 0.00 | 7.7% | 10.0% | 82.3% | 51.3% | 48.7% | 111.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0431 | Temporary Drain Pump Installation & Removal | set | 0.72 | 46.2% | 7.1% | 46.6% | 29.9% | 70.1% | 2,880.00 | 958.77 | 148.01 | 966.82 | 620.84 | 1,452.76 | 2,073.60 | |
| W0432 | Temporary Drain Pump Operation | day | 20.10 | 8.2% | 20.8% | 71.1% | 51.3% | 48.7% | 1,190.00 | 1,949.86 | 4,963.39 | 17,005.75 | 12,280.39 | 11,638.61 | 23,919.00 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 11,162.44 | 34,246.00 | 84,370.36 | 64,990.29 | 64,888.51 | 129,778.80 | |
| Components (%) | | | | | | | | | | 8.6% | 26.4% | 65.0% | 50.0% | 50.0% | 100.0% | |
| Unit Rate | | | m3 | | | | | | | 111.81 | 343.04 | 845.14 | 650.01 | 649.99 | 1,300.00 | |

103(3)a Gravel Foundation Fill

Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--------------------------------|------|----------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|----------|----------|------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L019 | Skilled Labor | md | 0.30 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 120.90 | 0.00 | 0.00 | 0.00 | 120.90 | 120.90 | |
| L020 | Unskilled Labor | md | 1.80 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 565.20 | 0.00 | 0.00 | 0.00 | 565.20 | 565.20 | |
| W0122 | Crushed Aggregate, transported | m3 | 12.00 | 9.2% | 15.7% | 75.1% | 47.3% | 52.7% | 277.00 | 304.41 | 522.06 | 2,497.53 | 1,571.62 | 1,752.38 | 3,324.00 | Loss 20.0% |
| | Miscellaneous | LS | 1.00 | 0.0% | 20.0% | 80.0% | 55.0% | 45.0% | | 0.00 | 24.06 | 96.24 | 66.17 | 54.11 | 120.30 | 3.0% |
| Total | | | | | | | | | | 990.51 | 546.12 | 2,593.77 | 1,637.78 | 2,492.62 | 4,130.48 | |
| Components (%) | | | | | | | | | | 24.8% | 13.2% | 62.8% | 39.7% | 60.3% | 100.0% | |
| Unit Rate | | | m3 | | | | | | | 99.04 | 54.61 | 259.35 | 163.76 | 249.24 | 413.00 | |

Miscellaneous covers the cost for depreciation of compaction equipment, fuel, etc.

103(3)b Selected Sand Bedding

Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|----------------------------|------|----------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|----------|----------|------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L019 | Skilled Labor | md | 0.30 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 120.90 | 0.00 | 0.00 | 0.00 | 120.90 | 120.90 | |
| L020 | Unskilled Labor | md | 1.80 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 565.20 | 0.00 | 0.00 | 0.00 | 565.20 | 565.20 | |
| W0128 | Selected Sand, transported | m3 | 12.00 | 12.5% | 19.9% | 87.7% | 44.2% | 55.8% | 183.00 | 273.78 | 436.33 | 1,485.89 | 971.30 | 1,224.70 | 2,196.00 | Loss 20.0% |
| | Miscellaneous | LS | 1.00 | 0.0% | 20.0% | 80.0% | 55.0% | 45.0% | | 0.00 | 17.29 | 69.17 | 47.55 | 38.91 | 86.46 | 3.0% |
| Total | | | | | | | | | | 959.88 | 453.62 | 1,555.06 | 1,018.86 | 1,949.71 | 2,968.56 | |
| Components (%) | | | | | | | | | | 32.3% | 15.3% | 52.4% | 34.3% | 65.7% | 100.0% | |
| Unit Rate | | | m3 | | | | | | | 96.03 | 45.38 | 155.58 | 101.94 | 195.06 | 297.00 | |

Miscellaneous covers the cost for depreciation of compaction equipment, fuel, etc.

103(6) Pipe Culverts and Drain Excavation

Unit: 100.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|----------|---------------|-------|--------|-------|-------|------------|----------------|----------|-----------|----------|----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0106 | Excavation, Backhoe 0.61m3 | m3 | 100.00 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 179.96 | 343.56 | 3,566.48 | 2,162.74 | 1,927.26 | 4,090.00 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 83.90 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 635.62 | 1,151.12 | 6,016.06 | 4,016.35 | 3,786.35 | 7,802.70 | |
| W0133 | Backfill C | m3 | 16.10 | 11.4% | 11.8% | 76.7% | 49.4% | 50.6% | 145.00 | 266.60 | 276.21 | 1,791.69 | 1,153.30 | 1,181.20 | 2,334.50 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 1,082.08 | 1,770.89 | 11,374.23 | 7,332.39 | 6,894.81 | 14,227.20 | |
| Components (%) | | | | | | | | | | 7.6% | 12.4% | 79.9% | 51.5% | 48.5% | 100.0% | |
| Unit Rate | | | m3 | | | | | | | 10.80 | 17.68 | 113.52 | 73.18 | 68.82 | 142.00 | |

103(7) Granular Backfill for Pipe Culverts

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------------|----------------------------|------|----------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|----------|----------|----------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0128 | Selected Sand, transported | m3 | 12.00 | 12.5% | 19.9% | 67.7% | 44.2% | 55.8% | 183.00 | 273.78 | 436.33 | 1,485.89 | 971.30 | 1,224.70 | 2,196.00 | Loss 20.0% |
| L020 | Unskilled Labor | md | 1.90 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 596.60 | 0.00 | 0.00 | 0.00 | 596.60 | | |
| R0307-000 | Plate Compactor | day | 0.16 | 0.0% | 17.7% | 82.3% | 56.2% | 43.8% | 780.00 | 0.00 | 22.09 | 102.71 | 70.14 | 54.66 | 124.80 | |
| R0306-006 | Vibration Rammer, 6in | day | 0.27 | 0.0% | 0.0% | 49.4% | 50.6% | 59.7% | 158.00 | 0.00 | 21.07 | 21.59 | 17.20 | 25.46 | 42.66 | |
| | Miscellaneous | LS | 1.00 | | | | | | 158.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Total | | | | | | | | | | 870.38 | 479.49 | 1,610.18 | 1,066.90 | 1,893.16 | 2,960.00 | |
| Components (%) | | | | | | | | | | 29.4% | 16.2% | 54.4% | 36.0% | 64.0% | 100.0% | |
| Unit Rate | | | m3 | | | | | | | 87.04 | 47.95 | 161.02 | 106.69 | 189.31 | 296.00 | |

104(1) Embankment from Excavated Soil

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------------|---------------------------------|------|----------|---------------|-------|--------|-------|-------|------------|----------------|----------|-----------|----------|----------|-----------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0101 | Excavation, Bulldozer 2lt | m3 | 120.00 | 1.5% | 8.2% | 90.3% | 54.4% | 45.6% | 25.30 | 45.54 | 248.95 | 2,741.51 | 1,661.65 | 1,384.35 | 3,036.00 | Loss 20.0% |
| W0123 | Excavated Soil, transported | m3 | 120.00 | 7.4% | 13.5% | 79.1% | 51.8% | 48.2% | 66.30 | 588.68 | 1,073.10 | 6,294.21 | 4,117.52 | 3,838.48 | 7,956.00 | |
| W0141 | Filling & Laying, bulldozer 15t | m3 | 100.00 | 4.0% | 7.8% | 89.2% | 53.6% | 46.4% | 27.50 | 82.50 | 214.50 | 2,453.00 | 1,473.42 | 1,276.58 | 2,750.00 | |
| W0147 | Compaction, tire roller 8~20t | m3 | 100.00 | 3.0% | 8.0% | 87.7% | 52.7% | 47.3% | 10.40 | 44.72 | 83.20 | 912.08 | 548.38 | 491.62 | 1,040.00 | |
| W0151 | Slope Formation by Bulldozer | m2 | 9.74 | 7.5% | 7.4% | 85.1% | 51.1% | 48.9% | 39.60 | 28.78 | 28.70 | 328.22 | 197.15 | 188.55 | 385.70 | |
| | Miscellaneous | LS | 1.00 | | | | | | 39.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Total | | | | | | | | | | 790.22 | 1,648.46 | 12,729.02 | 7,988.12 | 7,179.58 | 15,167.70 | |
| Components (%) | | | | | | | | | | 5.2% | 10.9% | 83.9% | 52.7% | 47.3% | 100.0% | |
| Unit Rate | | | m3 | | | | | | | 7.92 | 16.52 | 127.56 | 80.05 | 71.95 | 152.00 | |

104(3) Embankment from Borrow Soil

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------------|---------------------------------|------|----------|---------------|-------|--------|-------|-------|------------|----------------|----------|-----------|-----------|-----------|-----------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0121 | Borrow Soil, transported | m3 | 120.00 | 6.7% | 23.0% | 70.3% | 47.8% | 52.2% | 181.00 | 1,451.68 | 4,995.11 | 15,273.21 | 10,375.93 | 11,344.07 | 21,720.00 | Loss 20.0% |
| W0141 | Filling & Laying, bulldozer 15t | m3 | 100.00 | 3.0% | 7.8% | 89.2% | 53.6% | 46.4% | 27.50 | 82.50 | 214.50 | 2,453.00 | 1,473.42 | 1,276.58 | 2,750.00 | |
| W0147 | Compaction, tire roller 8~20t | m3 | 100.00 | 4.0% | 8.0% | 87.7% | 52.7% | 47.3% | 10.40 | 44.72 | 83.20 | 912.08 | 548.38 | 491.62 | 1,040.00 | |
| W0151 | Slope Formation by Bulldozer | m2 | 9.74 | 7.5% | 7.4% | 85.1% | 51.1% | 48.9% | 39.60 | 28.78 | 28.70 | 328.22 | 197.15 | 188.55 | 385.70 | |
| | Miscellaneous | LS | 1.00 | | | | | | 39.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Total | | | | | | | | | | 1,607.67 | 5,321.51 | 18,966.52 | 12,594.88 | 13,300.82 | 25,895.70 | |
| Components (%) | | | | | | | | | | 6.2% | 20.5% | 73.2% | 48.6% | 51.4% | 100.0% | |
| Unit Rate | | | m3 | | | | | | | 16.08 | 53.22 | 189.70 | 125.97 | 133.03 | 259.00 | |

104(4) Embankment from Borrow (Selected Granular Material) for Bridge

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------------|---------------------------------|------|----------|---------------|-------|--------|-------|-------|------------|----------------|----------|-----------|-----------|-----------|-----------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0128 | Selected Sand, transported | m3 | 120.00 | 12.5% | 19.9% | 67.7% | 44.2% | 55.8% | 183.00 | 2,737.84 | 4,363.28 | 14,858.89 | 9,713.02 | 12,246.98 | 21,980.00 | Loss 20.0% |
| W0141 | Filling & Laying, bulldozer 15t | m3 | 100.00 | 3.0% | 7.8% | 89.2% | 53.6% | 46.4% | 27.50 | 82.50 | 214.50 | 2,453.00 | 1,473.42 | 1,276.58 | 2,750.00 | |
| W0145 | Compaction, bulldozer 15t | m3 | 100.00 | 3.0% | 7.8% | 89.2% | 53.6% | 46.4% | 24.00 | 72.00 | 187.20 | 2,140.80 | 1,285.90 | 1,114.10 | 2,400.00 | |
| W0151 | Slope Formation by Bulldozer | m2 | 9.74 | 7.5% | 7.4% | 85.1% | 51.1% | 48.9% | 39.60 | 28.78 | 28.70 | 328.22 | 197.15 | 188.55 | 385.70 | |
| | Miscellaneous | LS | 1.00 | | | | | | 39.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Total | | | | | | | | | | 2,921.11 | 4,793.68 | 19,780.91 | 12,669.49 | 14,826.21 | 27,495.70 | |
| Components (%) | | | | | | | | | | 10.6% | 17.4% | 71.9% | 46.1% | 53.9% | 100.0% | |
| Unit Rate | | | m3 | | | | | | | 29.22 | 47.94 | 197.84 | 126.71 | 148.29 | 275.00 | |

105(1) Subgrade Preparation (Common Soil)

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------------|--|------|----------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|---------|--------|----------|------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L020 | Unskilled labor | md | 0.13 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 40.82 | 0.00 | 0.00 | 0.00 | 40.82 | 40.82 | 0.0% |
| R0301-371 | Motor Grader, 3.7m | hr | 0.26 | 3.6% | 6.9% | 89.5% | 53.2% | 46.8% | 2,230.00 | 20.87 | 40.61 | 518.92 | 308.27 | 271.53 | 579.80 | |
| R0305-106 | Vibratory Tandem Smooth Drum 10.6t (Vibration Roller, tandem, 8~10t) | hr | 0.17 | 4.0% | 9.0% | 87.0% | 63.2% | 46.8% | 2,030.00 | 13.80 | 31.06 | 300.24 | 183.62 | 161.48 | 345.10 | |
| R0304-016 | Four Tamping Foot Wheels (Tire Roller) 16t | hr | 0.17 | 4.0% | 8.0% | 87.7% | 52.7% | 47.3% | 1,970.00 | 14.40 | 26.79 | 293.71 | 176.59 | 158.31 | 334.90 | |
| R1103-450 | Water Wagon/Pump Truck 500-1000 gal (2200-4500 ltr) | hr | 0.11 | 11.3% | 24.6% | 64.1% | 50.8% | 49.2% | 545.00 | 6.77 | 14.75 | 38.43 | 30.46 | 29.49 | 59.95 | |
| | Miscellaneous | LS | 1.00 | | | | | | 545.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Total | | | | | | | | | | 96.67 | 112.60 | 1,151.29 | 698.94 | 661.63 | 1,360.57 | |
| Components (%) | | | | | | | | | | 7.1% | 8.3% | 84.6% | 51.4% | 48.6% | 100.0% | |
| Unit Rate | | | m2 | | | | | | | 0.97 | 1.13 | 11.51 | 6.99 | 6.61 | 13.60 | |

105(2) Subgrade Preparation (Existing Gravel Surface)

Unit: 100.00 m²

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|---------|--------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L020 | Unskilled Labor | md | 0.13 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 40.82 | 0.00 | 0.00 | 0.00 | 40.82 | 40.82 | |
| R0301-371 | Motor Grader, 3.7m | hr | 0.26 | 3.6% | 6.9% | 89.5% | 53.2% | 46.8% | 2,230.00 | 20.87 | 40.01 | 518.92 | 308.27 | 271.53 | 579.80 | |
| R0305-106 | Vibratory Tandem Smooth Drum 10.6t (Vibration Roller, tandem, 8~10t) | hr | 0.17 | 4.0% | 9.0% | 87.0% | 53.2% | 46.8% | 2,030.00 | 13.80 | 31.06 | 300.24 | 183.62 | 161.48 | 345.10 | |
| R0304-016 | Four Tamping Foot Wheels (Tire Roller) 16t | hr | 0.17 | 4.3% | 8.0% | 87.7% | 52.7% | 47.3% | 1,970.00 | 14.40 | 26.79 | 293.71 | 176.59 | 158.31 | 334.90 | |
| R1103-450 | Water Wagon/Pump Truck 500-1000 gal (2200-4500 ltr) | hr | 0.11 | 11.3% | 24.6% | 64.1% | 50.8% | 49.2% | 545.00 | 6.77 | 14.75 | 38.43 | 30.46 | 29.49 | 59.95 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 96.67 | 112.60 | 1,151.29 | 698.94 | 661.63 | 1,360.57 | |
| Components (%) | | | | | | | | | | 7.1% | 8.3% | 84.6% | 51.4% | 48.6% | 100.0% | |
| Unit Rate | | | m ² | | | | | | | 0.97 | 1.13 | 11.51 | 6.99 | 6.61 | 13.60 | |

Part D Subbase and Base Course

200(1) Aggregate Subbase Course

Unit: 100.00 m³

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|----------------|----------------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|-----------|-----------|------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L020 | Unskilled Labor | md | 1.36 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 427.04 | 0.00 | 0.00 | 0.00 | 427.04 | 427.04 | |
| R0301-371 | Motor Grader, 3.7m | hr | 2.48 | 3.6% | 6.9% | 89.5% | 53.2% | 46.8% | 2,230.00 | 199.09 | 381.60 | 4,949.71 | 2,940.39 | 2,590.01 | 5,530.40 | |
| R0305-106 | Vibratory Tandem Smooth Drum 10.6t (Vibration Roller, tandem, 8~10t) | hr | 2.08 | 4.0% | 9.0% | 87.0% | 53.2% | 46.8% | 2,030.00 | 168.90 | 380.02 | 3,673.49 | 2,246.70 | 1,975.70 | 4,222.40 | |
| R0304-016 | Four Tamping Foot Wheels (Tire Roller) 16t | hr | 2.08 | 4.3% | 8.0% | 87.7% | 52.7% | 47.3% | 1,970.00 | 176.20 | 327.81 | 3,593.60 | 2,160.62 | 1,936.98 | 4,097.60 | |
| R1103-450 | Water Wagon/Pump Truck 500-1000 gal (2200-4500 ltr) | hr | 1.36 | 11.3% | 24.6% | 64.1% | 50.8% | 49.2% | 545.00 | 83.76 | 182.34 | 476.11 | 376.56 | 364.64 | 741.20 | |
| W0122 | Crushed Aggregate, transported | m ³ | 128.00 | 9.2% | 15.7% | 75.1% | 47.3% | 52.7% | 277.00 | 3,247.05 | 5,568.67 | 26,640.28 | 16,763.92 | 18,692.08 | 35,456.00 | Loss 28.0% |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 4,302.03 | 6,840.42 | 39,332.18 | 24,488.19 | 25,986.45 | 50,474.64 | |
| Components (%) | | | | | | | | | | 8.5% | 13.6% | 77.9% | 48.5% | 51.5% | 100.0% | |
| Unit Rate | | | m ³ | | | | | | | 43.04 | 68.41 | 393.52 | 245.00 | 260.00 | 505.00 | |

Thickness = 0.250 m
Compaction layer thickness = 0.200 m

200(2) Aggregate Subbase Course using materials born by removal of existing gravel pavement

Unit: 100.00 m³

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|----------|----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L020 | Unskilled Labor | md | 1.36 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 427.04 | 0.00 | 0.00 | 0.00 | 427.04 | 427.04 | |
| R0301-371 | Motor Grader, 3.7m | hr | 2.48 | 3.6% | 6.9% | 89.5% | 53.2% | 46.8% | 2,230.00 | 199.09 | 381.60 | 4,949.71 | 2,940.39 | 2,590.01 | 5,530.40 | |
| R0305-106 | Vibratory Tandem Smooth Drum 10.6t (Vibration Roller, tandem, 8~10t) | hr | 2.08 | 4.0% | 9.0% | 87.0% | 53.2% | 46.8% | 2,030.00 | 168.90 | 380.02 | 3,673.49 | 2,246.70 | 1,975.70 | 4,222.40 | |
| R0304-016 | Four Tamping Foot Wheels (Tire Roller) 16t | hr | 2.08 | 4.3% | 8.0% | 87.7% | 52.7% | 47.3% | 1,970.00 | 176.20 | 327.81 | 3,593.60 | 2,160.62 | 1,936.98 | 4,097.60 | |
| R1103-450 | Water Wagon/Pump Truck 500-1000 gal (2200-4500 ltr) | hr | 1.36 | 11.3% | 24.6% | 64.1% | 50.8% | 49.2% | 545.00 | 83.76 | 182.34 | 476.11 | 376.56 | 364.64 | 741.20 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 1,054.98 | 1,271.76 | 12,591.90 | 7,724.27 | 7,294.37 | 15,018.64 | |
| Components (%) | | | | | | | | | | 7.0% | 8.5% | 84.5% | 51.4% | 48.6% | 100.0% | |
| Unit Rate | | | m ³ | | | | | | | 10.54 | 12.70 | 126.76 | 77.15 | 72.85 | 150.00 | |

Thickness = 0.250 m
Compaction layer thickness = 0.200 m

201(1) Aggregate Base Course Unit: 100.00 m³

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|--|----------------|----------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|-----------|-----------|------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L020 | Unskilled Labor | md | 1.76 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 552.64 | 0.00 | 0.00 | 0.00 | 552.64 | 552.64 | |
| R0301-371 | Motor Grader, 3.71m | hr | 2.48 | 3.6% | 6.9% | 89.5% | 53.2% | 46.8% | 2,230.00 | 199.09 | 381.60 | 4,949.71 | 2,940.39 | 2,590.01 | 5,530.40 | |
| R0305-106 | Vibratory Tandem Smooth Drum 10.6t (Vibration Roller, tandem, 8~10t) | hr | 2.64 | 4.0% | 9.0% | 87.0% | 53.2% | 46.8% | 2,030.00 | 214.37 | 482.33 | 4,662.50 | 2,851.58 | 2,507.62 | 5,359.20 | |
| R0304-016 | Four Tamping Foot Wheels (Tire Roller) 16t | hr | 2.64 | 4.3% | 8.0% | 87.7% | 52.7% | 47.3% | 1,970.00 | 223.63 | 416.06 | 4,561.10 | 2,742.33 | 2,458.47 | 5,200.80 | |
| R1103-450 | Water Wagon/Pump Truck 500-1000 gal (2200-4500 ltr) | hr | 1.68 | 11.3% | 24.6% | 64.1% | 50.8% | 49.2% | 545.00 | 103.46 | 225.24 | 586.90 | 465.17 | 450.43 | 915.60 | |
| W0122 | Crushed Aggregate, transported | m ³ | 128.00 | 9.2% | 15.7% | 75.1% | 47.3% | 52.7% | 277.00 | 3,247.05 | 5,568.67 | 26,640.28 | 16,763.92 | 18,692.08 | 35,456.00 | Loss 28.0% |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 4,540.25 | 7,073.90 | 41,400.50 | 25,763.38 | 27,251.26 | 53,014.64 | |
| | Components (%) | | | | | | | | | 8.6% | 13.3% | 78.1% | 48.6% | 51.4% | 100.0% | |
| | Unit Rate | m ³ | | | | | | | | 45.39 | 70.72 | 413.89 | 257.56 | 272.44 | 530.00 | |
| | Thickness = | | | 0.250 m | | | | | | | | | | | | |
| | Compaction layer thickness = | | | 0.150 m | | | | | | | | | | | | |

204(1) Cement Stabilized Sand Base Course Unit: 100.00 m³

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|--|----------------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L020 | Unskilled Labor | md | 1.67 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 524.38 | 0.00 | 0.00 | 0.00 | 524.38 | 524.38 | |
| W0128 | Selected Sand, transported | m ³ | 120.75 | 12.5% | 19.9% | 67.7% | 44.2% | 55.8% | 183.00 | 2,754.95 | 4,390.55 | 14,951.75 | 9,773.73 | 12,323.52 | 22,097.25 | Loss 28.0% |
| M03011 | Portland Cement, ordinary | t | 5.77 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 3,375.00 | 0.00 | 19,473.75 | 0.00 | 11,684.25 | 7,789.50 | 19,473.75 | Loss 2.0% |
| R0402-005 | Truck Crane, Hydraulic 2-5t | hr | 1.90 | 17.9% | 10.9% | 71.2% | 45.7% | 54.3% | 412.00 | 140.12 | 85.33 | 557.35 | 357.90 | 424.90 | 782.80 | |
| R0302-000 | Soil Stabilizer/Road Reclaimer | hr | 2.00 | 1.4% | 4.2% | 94.4% | 54.0% | 46.0% | 5,840.00 | 163.52 | 490.56 | 11,025.92 | 6,303.36 | 5,376.64 | 11,680.00 | |
| R0301-371 | Motor Grader, 3.71m | hr | 1.67 | 3.6% | 6.9% | 89.5% | 53.2% | 46.8% | 2,230.00 | 134.07 | 256.96 | 3,333.07 | 1,980.02 | 1,744.08 | 3,724.10 | |
| R0304-016 | Four Tamping Foot Wheels (Tire Roller) 16t | hr | 1.67 | 4.3% | 8.0% | 87.7% | 52.7% | 47.3% | 1,970.00 | 141.47 | 263.19 | 2,885.24 | 1,734.73 | 1,555.17 | 3,289.90 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 3,858.50 | 24,960.34 | 32,753.34 | 31,833.99 | 29,738.19 | 61,572.18 | |
| | Components (%) | | | | | | | | | 6.3% | 40.5% | 53.2% | 51.7% | 48.3% | 100.0% | |
| | Unit Rate | m ³ | | | | | | | | 38.60 | 249.72 | 327.68 | 318.48 | 297.52 | 616.00 | |
| | Thickness = | | | 0.300 m | | Cement | 6.0% | | | | | | | | | |

Part E Surface Courses

300(1) Gravel Surface Course Unit: 100.00 m³

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|--|----------------|----------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|-----------|-----------|------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L020 | Unskilled Labor | md | 2.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 690.80 | 0.00 | 0.00 | 0.00 | 690.80 | 690.80 | |
| R0301-371 | Motor Grader, 3.71m | hr | 3.10 | 3.6% | 6.9% | 89.5% | 53.2% | 46.8% | 2,230.00 | 248.87 | 477.00 | 6,187.14 | 3,675.48 | 3,237.52 | 6,913.00 | |
| R0305-106 | Vibratory Tandem Smooth Drum 10.6t (Vibration Roller, tandem, 8~10t) | hr | 3.30 | 4.0% | 9.0% | 87.0% | 53.2% | 46.8% | 2,030.00 | 267.96 | 602.91 | 5,828.13 | 3,564.47 | 3,134.53 | 6,699.00 | |
| R0304-016 | Four Tamping Foot Wheels (Tire Roller) 16t | hr | 3.30 | 4.3% | 8.0% | 87.7% | 52.7% | 47.3% | 1,970.00 | 279.54 | 520.08 | 5,701.38 | 3,427.91 | 3,073.09 | 6,501.00 | |
| R1103-450 | Water Wagon/Pump Truck 500-1000 gal (2200-4500 ltr) | hr | 2.10 | 11.3% | 24.6% | 64.1% | 50.8% | 49.2% | 545.00 | 129.33 | 281.55 | 733.62 | 581.46 | 563.04 | 1,144.50 | |
| W0129 | Gravel/Stone, transported | m ³ | 132.00 | 11.5% | 18.6% | 69.8% | 45.4% | 54.6% | 216.00 | 3,289.66 | 5,306.71 | 19,915.63 | 12,946.24 | 15,565.76 | 28,512.00 | Loss 32.0% |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 4,906.16 | 7,188.24 | 38,365.89 | 24,195.56 | 26,264.71 | 50,460.30 | |
| | Components (%) | | | | | | | | | 9.7% | 14.2% | 76.0% | 47.9% | 52.1% | 100.0% | |
| | Unit Rate | m ³ | | | | | | | | 49.10 | 71.94 | 383.96 | 242.15 | 262.86 | 505.00 | |
| | Thickness = | | | 0.200 m | | | | | | | | | | | | |
| | Compaction layer thickness = | | | 0.150 m | | | | | | | | | | | | |

301(1) Prime Coat Unit: 1.00 t

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-----------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L020 | Unskilled Labor | md | 0.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 125.60 | 0.00 | 0.00 | 0.00 | 125.60 | 125.60 | |
| M07011 | Prime Coat | t | 1.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 22,635.00 | 0.00 | 22,635.00 | 0.00 | 14,712.75 | 7,922.25 | 22,635.00 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 10.0% | 90.0% | 50.0% | 50.0% | 0.00 | 0.00 | 22.76 | 204.85 | 113.80 | 113.80 | 227.61 | 1.0% |
| | Total | | | | | | | | | 125.60 | 22,657.76 | 204.85 | 14,826.55 | 8,161.65 | 22,988.21 | |
| | Components (%) | | | | | | | | | 0.5% | 98.6% | 0.9% | 64.5% | 35.5% | 100.0% | |
| | Unit Rate | | | | | | | | | 125.60 | 22,669.39 | 204.95 | 14,834.16 | 8,165.84 | 23,000.00 | |

Miscellaneous covers the costs for minor tools, cleaning, etc.

302(1) Tack Coat Unit: 1.00 t

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-----------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L020 | Unskilled Labor | md | 0.47 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 147.58 | 0.00 | 0.00 | 0.00 | 147.58 | 147.58 | |
| M07012 | Tack Coat | t | 1.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 22,635.00 | 0.00 | 22,635.00 | 0.00 | 14,712.75 | 7,922.25 | 22,635.00 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 10.0% | 90.0% | 50.0% | 50.0% | 0.00 | 0.00 | 22.78 | 205.04 | 113.91 | 113.91 | 227.83 | 1.0% |
| | Total | | | | | | | | | 147.58 | 22,657.78 | 205.04 | 14,826.66 | 8,183.74 | 23,010.41 | |
| | Components (%) | | | | | | | | | 0.6% | 98.5% | 0.9% | 64.4% | 35.6% | 100.0% | |
| | Unit Rate | | | | | | | | | 147.51 | 22,647.54 | 204.95 | 14,819.96 | 8,180.04 | 23,000.00 | |

Miscellaneous covers the costs for minor tools, cleaning, etc.

310(1) Bituminous Concrete Surface Course, hot laid Unit: 10.00 t

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|--|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.03 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 16.98 | 0.00 | 0.00 | 0.00 | 16.98 | 16.98 | |
| L019 | Skilled Labor | md | 0.18 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 72.54 | 0.00 | 0.00 | 0.00 | 72.54 | 72.54 | |
| L020 | Unskilled Labor | md | 0.18 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 56.52 | 0.00 | 0.00 | 0.00 | 56.52 | 56.52 | |
| R0802-047 | Asphalt Paver/Finisher, 4.7m | hr | 0.28 | 3.2% | 4.3% | 92.5% | 53.1% | 46.9% | 2,420.00 | 21.68 | 29.14 | 626.78 | 359.89 | 317.71 | 677.60 | |
| R0305-106 | Vibratory Tandem Smooth Drum 10.6t (Vibration Roller, tandem, 8~10t) | hr | 0.28 | 4.0% | 9.0% | 87.0% | 53.2% | 46.8% | 2,030.00 | 22.74 | 51.16 | 494.51 | 302.44 | 285.96 | 568.40 | |
| R0304-016 | Four Tamping Foot Wheels (Tire Roller) 16t | hr | 0.28 | 4.3% | 8.0% | 87.7% | 52.7% | 47.3% | 1,970.00 | 23.72 | 44.13 | 483.75 | 290.85 | 260.75 | 551.60 | |
| M07021 | Asphalt Mixture | t | 11.20 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 2,500.00 | 0.00 | 28,000.00 | 0.00 | 18,200.00 | 9,800.00 | 28,000.00 | Loss 12.0% |
| | Miscellaneous | LS | 1.00 | 0.0% | 20.0% | 80.0% | 50.0% | 50.0% | 0.00 | 0.00 | 59.89 | 239.55 | 149.72 | 149.72 | 299.44 | 1.0% |
| | Total | | | | | | | | | 214.18 | 28,184.31 | 1,844.59 | 19,302.90 | 10,940.18 | 30,243.08 | |
| | Components (%) | | | | | | | | | 0.7% | 93.2% | 6.1% | 63.8% | 36.2% | 100.0% | |
| | Unit Rate | | | | | | | | | 21.39 | 2,814.42 | 184.20 | 1,927.54 | 1,092.46 | 3,020.00 | |

Miscellaneous covers the cost for spraying equipment, heating fuel, formwork, etc.
Asphalt Pavement Thickness = 50,000 mm Unit Weight = 2.35 t/m3

310(2) Asphalt Mixture Wearing Course (t=50mm) for bridge pavement Unit: 100.00 m2

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|--|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.04 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 22.64 | 0.00 | 0.00 | 0.00 | 22.64 | 22.64 | |
| L019 | Skilled Labor | md | 0.21 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 84.63 | 0.00 | 0.00 | 0.00 | 84.63 | 84.63 | |
| L020 | Unskilled Labor | md | 0.21 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 65.94 | 0.00 | 0.00 | 0.00 | 65.94 | 65.94 | |
| R0802-047 | Asphalt Paver/Finisher, 4.7m | hr | 0.33 | 3.2% | 4.3% | 92.5% | 53.1% | 46.9% | 2,420.00 | 25.56 | 34.34 | 738.71 | 424.15 | 374.45 | 798.60 | |
| R0305-106 | Vibratory Tandem Smooth Drum 10.6t (Vibration Roller, tandem, 8~10t) | hr | 0.33 | 4.0% | 9.0% | 87.0% | 53.2% | 46.8% | 2,030.00 | 26.80 | 60.29 | 582.81 | 356.45 | 313.45 | 669.90 | |
| R0304-016 | Four Tamping Foot Wheels (Tire Roller) 16t | hr | 0.33 | 4.3% | 8.0% | 87.7% | 52.7% | 47.3% | 1,970.00 | 27.95 | 52.01 | 570.14 | 342.79 | 307.31 | 650.10 | |
| M07012 | Tack Coat | t | 0.04 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 22,635.00 | 0.00 | 905.40 | 0.00 | 588.51 | 316.89 | 905.40 | |
| M07021 | Asphalt Mixture | t | 13.16 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 2,500.00 | 0.00 | 32,900.00 | 0.00 | 21,385.00 | 11,515.00 | 32,900.00 | Loss 12.0% |
| | Miscellaneous | LS | 1.00 | 0.0% | 20.0% | 80.0% | 50.0% | 50.0% | 0.00 | 0.00 | 72.19 | 288.78 | 180.49 | 180.49 | 360.97 | 1.0% |
| | Total | | | | | | | | | 253.52 | 34,024.23 | 2,180.43 | 23,277.38 | 13,180.80 | 36,458.18 | |
| | Components (%) | | | | | | | | | 0.7% | 93.3% | 6.0% | 63.8% | 36.2% | 100.0% | |
| | Unit Rate | | | | | | | | | 2.54 | 340.63 | 21.83 | 233.04 | 131.96 | 365.00 | |

Miscellaneous covers the cost for spraying equipment, heating fuel, formwork, etc.
Asphalt Pavement Thickness = 50 mm Unit Weight = 2.35 t/m3
Tack Coat = 0.428 ltr/m2 Unit Weight = 1.00 t/m3

310(3) Waterproofing Layer for Pampanga Deck Slab

Unit: 100.00 m2

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|----------|-----------|----------|----------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 283.00 | 0.00 | 0.00 | 0.00 | 283.00 | 283.00 | |
| L019 | Skilled Labor | md | 1.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 403.60 | 0.00 | 0.00 | 0.00 | 483.60 | 483.60 | |
| L020 | Unskilled Labor | md | 0.70 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 219.80 | 0.00 | 0.00 | 0.00 | 219.80 | 219.80 | |
| M07051 | Rubberized Asphalt Agent | kg | 52.50 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 24.40 | 0.00 | 1,281.00 | 0.00 | 832.65 | 448.35 | 1,281.00 | Loss 5.0% |
| M07052 | Rubberized Asphalt | kg | 42.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 18.70 | 0.00 | 785.40 | 0.00 | 510.51 | 274.89 | 785.40 | Loss 5.0% |
| | Miscellaneous | LS | 1.00 | 0.0% | 10.0% | 90.0% | 50.0% | 50.0% | | 0.00 | 15.26 | 137.38 | 76.32 | 152.64 | 32.10 | 5.0% |
| Total | | | | | | | | | | 986.40 | 2,081.66 | 137.38 | 1,419.48 | 1,785.96 | 3,205.44 | |
| Components (%) | | | | | | | | | | 30.8% | 64.9% | 4.3% | 44.3% | 55.7% | 100.0% | |
| Unit Rate | | | m2 | | | | | | | 9.88 | 20.85 | 1.38 | 14.21 | 17.89 | 32.10 | |

Miscellaneous covers the costs for asphalt kettle, generator, air compressor, sponge roller, brushes, minor tools, etc.

311(1)a PCC Pavement (Plain), t=280mm

Unit: 100.00 m2

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 226.40 | 0.00 | 0.00 | 0.00 | 226.40 | 226.40 | |
| L019 | Skilled Labor | md | 1.67 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 673.01 | 0.00 | 0.00 | 0.00 | 673.01 | 673.01 | |
| L020 | Unskilled Labor | md | 6.71 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 2,106.94 | 0.00 | 0.00 | 0.00 | 2,106.94 | 2,106.94 | |
| W0211 | Concrete (for PCC Pavement, 24.1MPa, max agg. 50mm) | m3 | 28.84 | 2.8% | 77.9% | 19.3% | 57.1% | 42.9% | 1,530.00 | 1,220.97 | 34,391.81 | 8,512.42 | 25,187.71 | 18,937.49 | 44,125.20 | Loss 3.0% |
| M07103 | Joint Filler (bituminous t=18mm) | m2 | 0.83 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 514.00 | 0.00 | 426.62 | 0.00 | 255.97 | 170.65 | 426.62 | |
| M07113 | Joint Sealant (18x18mm) | m | 3.18 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 103.00 | 0.00 | 327.54 | 0.00 | 196.52 | 131.02 | 327.54 | |
| M07117 | Joint Sealant (liquid type) | kg | 10.20 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 96.20 | 0.00 | 981.24 | 0.00 | 588.74 | 392.50 | 981.24 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 94.49 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 2,059.88 | 0.00 | 1,441.92 | 617.96 | 2,059.88 | |
| M08700 | Steel Gas Pipe, φ 20 | m | 1.42 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 76.70 | 0.00 | 108.91 | 0.00 | 65.35 | 43.56 | 108.91 | |
| Q0705-075 | Concrete Spreader, 3~7.5m | hr | 1.15 | 2.2% | 1.5% | 96.3% | 52.9% | 47.1% | 3,260.00 | 82.28 | 57.03 | 3,609.69 | 1,983.76 | 1,765.24 | 3,749.00 | |
| R0706-090 | Concrete Paver/Finisher | hr | 1.15 | 5.0% | 9.6% | 86.4% | 52.6% | 47.4% | 1,400.00 | 80.50 | 154.56 | 1,374.94 | 847.44 | 762.56 | 1,610.00 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 1.71 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 125.09 | 154.65 | 1,994.56 | 1,181.76 | 1,092.54 | 2,274.30 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 30.0% | 70.0% | 50.0% | 50.0% | | 0.00 | 1,056.04 | 2,464.10 | 1,760.07 | 1,760.07 | 3,520.14 | 6.0% |
| Total | | | | | | | | | | 4,515.18 | 39,718.29 | 17,955.72 | 33,509.25 | 28,679.93 | 62,189.19 | |
| Components (%) | | | | | | | | | | 7.3% | 63.9% | 28.9% | 53.9% | 46.1% | 100.0% | |
| Unit Rate | | | m2 | | | | | | | 45.16 | 397.25 | 179.59 | 335.15 | 286.85 | 622.00 | |

Miscellaneous covers the cost for formwork, truck, concrete cutter, curing materials, chairs, biding wires, etc.
Thickness = 0.280 m

311(1)b PCC Pavement (Plain), t=250mm

Unit: 100.000 m2

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 226.40 | 0.00 | 0.00 | 0.00 | 226.40 | 226.40 | |
| L019 | Skilled Labor | md | 1.67 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 673.01 | 0.00 | 0.00 | 0.00 | 673.01 | 673.01 | |
| L020 | Unskilled Labor | md | 6.71 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 2,106.94 | 0.00 | 0.00 | 0.00 | 2,106.94 | 2,106.94 | |
| W0211 | Concrete (for PCC Pavement, 24.1MPa, max agg. 50mm) | m3 | 26.00 | 2.8% | 77.9% | 19.3% | 57.1% | 42.9% | 1,530.00 | 1,100.73 | 31,005.10 | 7,674.17 | 22,707.37 | 17,072.63 | 39,780.00 | Loss 4.0% |
| M07103 | Joint Filler (bituminous t=18mm) | m2 | 0.74 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 514.00 | 0.00 | 380.36 | 0.00 | 228.22 | 152.14 | 380.36 | |
| M07113 | Joint Sealant (18x18mm) | m | 3.18 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 103.00 | 0.00 | 327.54 | 0.00 | 196.52 | 131.02 | 327.54 | |
| M07117 | Joint Sealant (liquid type) | kg | 10.20 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 96.20 | 0.00 | 981.24 | 0.00 | 588.74 | 392.50 | 981.24 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 94.49 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 2,059.88 | 0.00 | 1,441.92 | 617.96 | 2,059.88 | |
| M08700 | Steel Gas Pipe, φ 20 | m | 1.42 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 76.70 | 0.00 | 108.91 | 0.00 | 65.35 | 43.56 | 108.91 | |
| Q0705-075 | Concrete Spreader, 3~7.5m | hr | 1.15 | 2.2% | 1.5% | 96.3% | 52.9% | 47.1% | 3,260.00 | 82.28 | 57.03 | 3,609.69 | 1,983.76 | 1,765.24 | 3,749.00 | |
| R0706-090 | Concrete Paver/Finisher | hr | 1.15 | 5.0% | 9.6% | 86.4% | 52.6% | 47.4% | 1,400.00 | 80.50 | 154.56 | 1,374.94 | 847.44 | 762.56 | 1,610.00 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 1.71 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 125.09 | 154.65 | 1,994.56 | 1,181.76 | 1,092.54 | 2,274.30 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 30.0% | 70.0% | 50.0% | 50.0% | | 0.00 | 2,279.66 | 2,464.10 | 1,628.33 | 1,628.33 | 3,256.65 | 6.0% |
| Total | | | | | | | | | | 4,394.95 | 36,206.27 | 16,933.02 | 30,869.41 | 26,664.83 | 57,534.23 | |
| Components (%) | | | | | | | | | | 7.6% | 62.9% | 29.4% | 53.7% | 46.3% | 100.0% | |
| Unit Rate | | | m2 | | | | | | | 43.92 | 361.85 | 169.23 | 308.51 | 266.49 | 575.00 | |

Miscellaneous covers the cost for formwork, truck, concrete cutter, curing materials, chairs, biding wires, etc.
Thickness = 0.250 m

311(i)c PCC Pavement (Plain), t=230mm

Unit: 100.00 m²

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|---|----------------|----------|---------------|--------|--------|-------|--------|------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 226.40 | 0.00 | 0.00 | 0.00 | 226.40 | 226.40 | |
| L019 | Skilled Labor | md | 1.67 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 673.01 | 0.00 | 0.00 | 0.00 | 673.01 | 673.01 | |
| L020 | Unskilled Labor | md | 6.71 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 2,106.94 | 0.00 | 0.00 | 0.00 | 2,106.94 | 2,106.94 | |
| W0211 | Concrete (for PCC Pavement, 24.1MPa, max agg. 50mm) | m ³ | 23.92 | 2.8% | 77.9% | 19.3% | 57.1% | 42.9% | 1,530.00 | 1,012.67 | 28,524.69 | 7,060.23 | 20,890.78 | 15,706.82 | 36,597.60 | Loss 4.0% |
| M07103 | Joint Filler (bituminous t=18mm) | m ² | 0.67 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 514.00 | 0.00 | 344.38 | 0.00 | 206.63 | 137.75 | 344.38 | |
| M07113 | Joint Sealant (18x18mm) | m | 3.18 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 103.00 | 0.00 | 327.54 | 0.00 | 196.52 | 131.02 | 327.54 | |
| M07117 | Joint Sealant (liquid type) | kg | 10.20 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 96.20 | 0.00 | 981.24 | 0.00 | 588.74 | 392.50 | 981.24 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 97.02 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 2,115.04 | 0.00 | 1,480.53 | 634.51 | 2,115.04 | |
| M08700 | Steel Gas Pipe, φ20 | m | 1.42 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 76.70 | 0.00 | 108.91 | 0.00 | 65.35 | 43.56 | 108.91 | |
| Q0705-075 | Concrete Spreader, 3~7.5m | hr | 1.15 | 2.2% | 1.5% | 96.3% | 52.9% | 47.1% | 3,260.00 | 82.28 | 57.03 | 3,609.69 | 1,983.76 | 1,765.24 | 3,749.00 | |
| R0706-090 | Concrete Paver/Finisher | hr | 1.15 | 5.0% | 9.6% | 85.4% | 52.6% | 47.4% | 1,400.00 | 80.50 | 154.56 | 1,374.94 | 847.44 | 762.66 | 1,610.00 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 1.71 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 125.09 | 154.65 | 1,994.56 | 1,181.76 | 1,092.54 | 2,274.30 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 30.0% | 70.0% | 50.0% | 50.0% | 0.00 | 0.00 | 920.06 | 2,146.80 | 1,533.43 | 3,066.86 | 6.0% | |
| | Total | | | | | | | | | 4,306.89 | 33,686.10 | 16,186.23 | 28,974.95 | 25,206.29 | 54,181.22 | |
| | Components (%) | | | | | | | | | 7.9% | 62.2% | 29.9% | 53.5% | 46.5% | 100.0% | |
| | Unit Rate | m ² | | | | | | | | 43.08 | 337.00 | 161.92 | 289.85 | 252.15 | 542.00 | |

Miscellaneous covers the cost for formwork, truck, concrete cutter, curing materials, chairs, binding wires, etc.
Thickness = 0.230 m

311(i)d PCC Pavement (Plain), t=180mm

Unit: 100.00 m²

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|---|----------------|----------|---------------|--------|--------|-------|--------|------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 226.40 | 0.00 | 0.00 | 0.00 | 226.40 | 226.40 | |
| L019 | Skilled Labor | md | 1.67 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 673.01 | 0.00 | 0.00 | 0.00 | 673.01 | 673.01 | |
| L020 | Unskilled Labor | md | 6.71 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 2,106.94 | 0.00 | 0.00 | 0.00 | 2,106.94 | 2,106.94 | |
| W0211 | Concrete (for PCC Pavement, 24.1MPa, max agg. 50mm) | m ³ | 18.72 | 2.8% | 77.9% | 19.3% | 57.1% | 42.9% | 1,530.00 | 792.53 | 22,323.67 | 5,525.40 | 16,349.31 | 12,292.29 | 28,641.60 | Loss 4.0% |
| M07103 | Joint Filler (bituminous t=18mm) | m ² | 0.51 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 514.00 | 0.00 | 262.14 | 0.00 | 167.28 | 104.86 | 262.14 | |
| M07113 | Joint Sealant (18x18mm) | m | 3.18 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 103.00 | 0.00 | 327.54 | 0.00 | 196.52 | 131.02 | 327.54 | |
| M07117 | Joint Sealant (liquid type) | kg | 10.20 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 96.20 | 0.00 | 981.24 | 0.00 | 588.74 | 392.50 | 981.24 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 114.78 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 2,502.20 | 0.00 | 1,751.54 | 750.66 | 2,502.20 | |
| M08700 | Steel Gas Pipe, φ20 | m | 1.42 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 76.70 | 0.00 | 108.91 | 0.00 | 65.35 | 43.56 | 108.91 | |
| Q0705-075 | Concrete Spreader, 3~7.5m | hr | 1.15 | 2.2% | 1.5% | 96.3% | 52.9% | 47.1% | 3,260.00 | 82.28 | 57.03 | 3,609.69 | 1,983.76 | 1,765.24 | 3,749.00 | |
| R0706-090 | Concrete Paver/Finisher | hr | 1.15 | 5.0% | 9.6% | 85.4% | 52.6% | 47.4% | 1,400.00 | 80.50 | 154.56 | 1,374.94 | 847.44 | 762.66 | 1,610.00 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 1.71 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 125.09 | 154.65 | 1,994.56 | 1,181.76 | 1,092.54 | 2,274.30 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 30.0% | 70.0% | 50.0% | 50.0% | 0.00 | 0.00 | 782.34 | 1,825.46 | 1,303.90 | 1,303.90 | 2,607.80 | 6.0% |
| | Total | | | | | | | | | 4,086.74 | 27,654.28 | 14,330.05 | 24,425.61 | 21,645.47 | 46,071.08 | |
| | Components (%) | | | | | | | | | 8.9% | 60.0% | 31.1% | 53.0% | 47.0% | 100.0% | |
| | Unit Rate | m ² | | | | | | | | 40.89 | 276.72 | 143.39 | 244.41 | 216.59 | 461.00 | |

Miscellaneous covers the cost for formwork, truck, concrete cutter, curing materials, chairs, binding wires, etc.
Thickness = 0.180 m

SPL 311(i)e PCC Pavement (Lean Mix Concrete)

Unit: 10.00 m³

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|--|----------------|----------|---------------|-------|--------|-------|--------|------------|-----------------|------------------|-----------------|------------------|------------------|------------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.33 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 186.78 | 0.00 | 0.00 | 0.00 | 186.78 | 186.78 | |
| L019 | Skilled Labor | md | 1.39 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 560.17 | 0.00 | 0.00 | 0.00 | 560.17 | 560.17 | |
| L020 | Unskilled Labor | md | 5.59 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,755.26 | 0.00 | 0.00 | 0.00 | 1,755.26 | 1,755.26 | |
| W0202 | Concrete (Class B, 17MPa, max agg. 50mm) | m ³ | 10.40 | 3.0% | 75.9% | 21.1% | 56.1% | 43.9% | 1,390.00 | 438.91 | 10,965.47 | 3,051.62 | 8,109.98 | 6,346.02 | 14,456.00 | Loss 4.0% |
| Q0705-075 | Concrete Spreader, 3~7.5m | hr | 0.96 | 2.2% | 1.5% | 96.3% | 52.9% | 47.1% | 3,260.00 | 68.68 | 47.61 | 3,013.31 | 1,656.01 | 1,473.59 | 3,129.60 | |
| R0706-090 | Concrete Paver/Finisher | hr | 0.96 | 5.0% | 9.6% | 85.4% | 52.6% | 47.4% | 1,400.00 | 67.20 | 129.02 | 1,147.78 | 707.43 | 636.57 | 1,344.00 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 1.43 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 104.60 | 129.33 | 1,667.97 | 988.26 | 913.64 | 1,901.90 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 30.0% | 70.0% | 50.0% | 50.0% | 0.00 | 0.00 | 420.01 | 980.02 | 700.01 | 700.01 | 1,400.02 | 6.0% |
| | Total | | | | | | | | | 3,181.61 | 11,691.43 | 9,860.69 | 12,161.69 | 12,572.04 | 24,733.73 | |
| | Components (%) | | | | | | | | | 12.9% | 47.3% | 39.9% | 49.2% | 60.8% | 100.0% | |
| | Unit Rate | m ³ | | | | | | | | 317.73 | 1,167.65 | 984.72 | 1,214.61 | 1,255.49 | 2,470.60 | |

Miscellaneous covers the cost for joints, formwork, truck, concrete cutter, curing materials, chairs, binding wires, etc.
Average Thickness = 0.120 m

SPL 311(2) PCC Pavement (Reinforced), t=300mm (Approach Slab)

Unit: 100.00 m2

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|--|------|----------|---------------|--------|--------|-------|-------|------------|----------------|------------|-----------|------------|-----------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0203 | Concrete (Class A, 21MPa, max avg. 38mm) | m3 | 33.66 | 2.6% | 80.1% | 17.4% | 56.7% | 43.3% | 1,620.00 | 1,390.72 | 43,659.93 | 9,478.55 | 30,922.86 | 23,606.34 | 54,529.20 | Loss 2.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 33.00 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 1,317.55 | 16.63 | 7,146.82 | 3,829.99 | 4,651.01 | 8,481.00 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 33.00 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 103.68 | 10.58 | 24.68 | 19.39 | 119.54 | 138.93 | |
| W0241 | Formwork (reinforced concrete 11<4m) | m2 | 18.62 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 2,472.75 | 1,665.42 | 32.71 | 121.71 | 4,049.17 | 4,170.88 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 1,444.40 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 5,111.06 | 25,915.79 | 2,627.67 | 18,171.74 | 15,482.78 | 33,654.52 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 3,805.50 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 13,484.40 | 72,597.63 | 7,152.72 | 50,794.49 | 42,440.26 | 93,234.75 | |
| M07102 | Joint Filler (bituminous t=12mm) | m2 | 9.27 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 343.00 | 0.00 | 3,179.61 | 0.00 | 1,907.77 | 1,271.84 | 3,179.61 | |
| M07112 | Joint Sealant (12x12mm) | m | 32.20 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 75.20 | 0.00 | 2,421.44 | 0.00 | 1,452.86 | 968.58 | 2,421.44 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 118.88 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 2,591.80 | 0.00 | 1,814.26 | 777.54 | 2,591.80 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 20.0% | 70.0% | 50.0% | 50.0% | | 404.80 | 809.61 | 2,833.63 | 2,024.02 | 2,024.02 | 4,048.04 | 2.0% |
| | Total | | | | | | | | | 24,284.96 | 152,868.43 | 29,296.78 | 111,059.09 | 95,391.08 | 206,450.17 | |
| | Components (%) | | | | | | | | | 11.8% | 74.0% | 14.2% | 53.8% | 46.2% | 100.0% | |
| | Unit Rate | m2 | | | | | | | | 242.32 | 1,525.35 | 292.33 | 1,108.17 | 951.83 | 2,060.00 | |

Miscellaneous covers the cost for surface finishing, minor tools, etc.
Thickness = 0.300 m

Part F Bridge Construction

400(3)a Steel H Piles (450mmx260kg/m), furnished

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|----------------------------------|------|-----------|---------------|--------|--------|-------|--------|------------|----------------|------------|------------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 586.00 | 113.20 | 0.00 | 0.00 | 0.00 | 113.20 | 113.20 | |
| L009 | Welder | md | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 500.00 | 0.00 | 0.00 | 0.00 | 500.00 | 500.00 | |
| L019 | Skilled Labor | md | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 403.00 | 0.00 | 0.00 | 0.00 | 403.00 | 403.00 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 25,396.80 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 513,015.36 | 0.00 | 359,110.75 | 153,904.61 | 513,015.36 | Loss 4.0% |
| R0901-025 | Welding Machine 250A | day | 1.00 | 0.0% | 39.8% | 80.2% | 58.6% | 41.4% | 588.00 | 0.00 | 234.02 | 353.98 | 344.48 | 243.52 | 588.00 | |
| R1001-150 | Generator 101-150 kW | day | 1.00 | 0.0% | 52.2% | 47.8% | 59.9% | 40.1% | 3,610.00 | 0.00 | 1,884.42 | 1,725.58 | 2,164.17 | 1,445.83 | 3,610.00 | |
| R0402-020 | Truck Crane, Hydraulic 16-20t | hr | 0.61 | 6.9% | 7.7% | 85.4% | 51.5% | 48.5% | 1,070.00 | 45.04 | 50.26 | 557.41 | 335.83 | 316.87 | 652.70 | |
| R0604-020 | Trailer 20t | hr | 10.38 | 3.8% | 10.7% | 85.5% | 53.3% | 46.7% | 1,670.00 | 688.71 | 1,854.80 | 14,821.08 | 9,240.42 | 8,094.18 | 17,334.60 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 20.0% | 70.0% | 50.0% | 50.0% | | 13,405.42 | 26,810.84 | 93,837.95 | 67,027.11 | 67,027.11 | 134,054.22 | 25.0% |
| | Total | | | | | | | | | 15,125.37 | 543,849.71 | 111,296.00 | 438,222.76 | 232,048.31 | 670,271.08 | |
| | Components (%) | | | | | | | | | 2.3% | 81.1% | 16.6% | 65.4% | 34.6% | 100.0% | |
| | Unit Rate | m | | | | | | | | 151.19 | 5,436.30 | 1,112.51 | 4,380.46 | 2,319.54 | 6,700.00 | |

Miscellaneous covers the cost for fabricator's overhead, facilities, etc.

400(4)a Precast RC Concrete Pile (400mm x 400mm), furnished

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|--|------|----------|---------------|-------|--------|-------|-------|------------|----------------|------------|-----------|-----------|-----------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0206 | Concrete (Class AA2, 28MPa, max agg. 20mm) | m3 | 15.94 | 2.2% | 83.0% | 14.8% | 57.8% | 42.2% | 1,860.00 | 648.00 | 24,614.62 | 4,385.78 | 17,150.19 | 12,498.21 | 29,648.40 | Loss 2.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 15.63 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 624.04 | 7.88 | 3,385.00 | 1,814.02 | 2,202.89 | 4,016.91 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 15.63 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 49.10 | 5.01 | 11.69 | 9.18 | 56.62 | 65.80 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 4,696.70 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 16,619.44 | 84,269.39 | 8,544.29 | 59,088.34 | 50,344.77 | 109,433.11 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 0.59 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 43.16 | 53.36 | 688.18 | 407.74 | 376.96 | 784.70 | |
| R0604-020 | Trailer 20t | hr | 1.35 | 3.8% | 10.7% | 85.5% | 53.3% | 46.7% | 1,670.00 | 85.67 | 241.23 | 1,927.60 | 1,201.79 | 1,052.71 | 2,254.50 | |
| | Miscellaneous | LS | 1.00 | 5.0% | 25.0% | 70.0% | 50.0% | 50.0% | | 584.81 | 2,924.07 | 8,187.39 | 5,848.14 | 5,848.14 | 11,696.27 | 8.0% |
| | Total | | | | | | | | | 18,654.23 | 112,119.55 | 27,129.92 | 85,519.40 | 72,380.30 | 157,899.69 | |
| | Components (%) | | | | | | | | | 11.8% | 71.0% | 17.2% | 65.2% | 45.8% | 100.0% | |
| | Unit Rate | m | | | | | | | | 186.66 | 1,121.87 | 271.47 | 866.74 | 724.26 | 1,580.00 | |

Miscellaneous covers the cost for mould, forms, maintenance of fabrication yard, minor tools and devices, etc.

400(4)b Precast RC Concrete Pile (450mmx450mm) furnished

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|----------|---------------|-------|--------|-------|-------|------------|----------------|------------|-----------|------------|-----------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0206 | Concrete (Class AA2, 28MPa, max aggr. 20mm) | m3 | 20.04 | 2.2% | 83.0% | 14.8% | 57.8% | 42.2% | 1,860.00 | 814.68 | 30,945.88 | 5,513.87 | 21,561.47 | 15,712.93 | 37,274.40 | Loss 2.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 19.66 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 784.54 | 9.90 | 4,255.61 | 2,280.59 | 2,769.46 | 5,050.05 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 19.65 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 61.74 | 6.30 | 14.69 | 11.55 | 71.18 | 82.73 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 5,985.30 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 21,179.19 | 107,389.78 | 10,888.52 | 75,299.98 | 64,157.51 | 139,457.49 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 0.74 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 54.13 | 66.93 | 863.14 | 511.41 | 472.79 | 984.20 | |
| R0604-020 | Trailer 20t | hr | 1.70 | 3.8% | 10.7% | 85.6% | 53.3% | 46.7% | 1,670.00 | 107.88 | 303.77 | 2,427.35 | 1,513.36 | 1,325.64 | 2,839.00 | |
| | Miscellaneous | LS | 1.00 | 5.0% | 25.0% | 70.0% | 50.0% | 50.0% | | 742.75 | 3,713.75 | 10,398.52 | 7,427.51 | 7,427.51 | 14,855.03 | 8.0% |
| Total | | | | | | | | | | 23,744.91 | 142,436.29 | 34,361.70 | 108,605.86 | 91,937.04 | 200,542.90 | |
| Components (%) | | | | | | | | | | 11.8% | 71.0% | 17.1% | 54.2% | 45.8% | 100.0% | |
| Unit Rate | | | m | | | | | | | 237.99 | 1,427.61 | 344.40 | 1,088.53 | 921.47 | 2,010.00 | |

Miscellaneous covers the cost for mould, forms, maintenance of fabrication yard, minor tools and devices, etc.

400(10)a Steel H Piles (450mmx260kg/m), driven

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|-------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 792.40 | 0.00 | 0.00 | 0.00 | 792.40 | 792.40 | |
| L008 | Welder | md | 1.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 700.00 | 0.00 | 0.00 | 0.00 | 700.00 | 700.00 | |
| L019 | Skilled Labor | md | 2.80 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 1,128.40 | 0.00 | 0.00 | 0.00 | 1,128.40 | 1,128.40 | |
| L020 | Unskilled Labor | md | 1.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 439.60 | 0.00 | 0.00 | 0.00 | 439.60 | 439.60 | |
| R0501-025 | Diesel Hammer w/o Crane, 2.5t | hr | 8.80 | 0.0% | 0.0% | 100.0% | 55.6% | 44.4% | 1,670.00 | 0.00 | 0.00 | 14,886.00 | 8,173.10 | 6,522.90 | 14,696.00 | |
| R0401-035 | Crawler Crane, 31-35t | hr | 8.80 | 4.3% | 9.8% | 85.9% | 52.9% | 47.1% | 1,680.00 | 635.71 | 1,448.83 | 12,699.46 | 7,822.46 | 6,961.54 | 14,784.00 | |
| M02001 | Reinforcing Bars, Grade 40 | kg | 938.40 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 16.00 | 0.00 | 15,014.40 | 0.00 | 9,759.36 | 5,255.04 | 15,014.40 | Loss 2.0% |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 5.28 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 386.23 | 477.62 | 6,158.64 | 3,648.95 | 3,373.45 | 7,022.40 | |
| R0901-050 | Welding Machine 500A | day | 1.40 | 0.0% | 60.4% | 39.6% | 60.6% | 39.4% | 1,470.00 | 0.00 | 1,243.03 | 814.97 | 1,247.90 | 810.10 | 2,058.00 | |
| R1001-150 | Generator 101-150 kW | day | 1.40 | 0.0% | 52.2% | 47.8% | 59.9% | 40.1% | 3,610.00 | 0.00 | 2,638.19 | 2,415.81 | 3,029.84 | 2,024.16 | 5,054.00 | |
| | Miscellaneous | LS | 1.00 | 5.0% | 20.0% | 75.0% | 50.0% | 50.0% | | 30.84 | 123.38 | 462.67 | 308.45 | 308.45 | 616.89 | 1.0% |
| Total | | | | | | | | | | 4,113.19 | 20,945.35 | 37,247.55 | 33,990.06 | 28,316.03 | 62,306.09 | |
| Components (%) | | | | | | | | | | 6.6% | 33.6% | 59.8% | 54.6% | 45.4% | 100.0% | |
| Unit Rate | | | m | | | | | | | 41.13 | 209.43 | 372.44 | 339.87 | 283.13 | 623.00 | |

Miscellaneous covers the cost for welding rods, scaffolding, lubricant, etc.

| | | | | | |
|---|---|-----------|--------------------------|---|---------------|
| $T_c = (T_b + T_w + T_p) / F$ | = | 26.39 min | L : Pile Driving Length | = | 5.00 m |
| T_c : Cycle time per pile | = | 26.39 min | B : Pile size | = | 0.45 m |
| T_b : Driving Time = $K \cdot \alpha \cdot L \cdot \beta$ | = | 5.75 min | n : number of joint | = | 0.00 |
| T_w : Welding Time = $17 \cdot n$ | = | 0.00 min | f1 : Obstruction factor | = | 0.00 |
| T_p : Preparation time = $6 \cdot (n+1) + 12$ | = | 18.00 min | f2 : Space factor | = | 0.00 |
| F : Efficiency = $0.9 + (f1 + f2 + f3)$ | = | 0.90 | f3 : Volume factor | = | 0.00 |
| K : Pile Coefficient | = | 1.00 | T : Daily Operation hour | = | 6.29 hr |
| α : Soil Factor | = | 1.15 | Pile head re-bars | = | 46.00 kg/each |
| β : Hammer Factor | = | 1.00 | | | |

400(13)a Precast Concrete Piles (400mm x 400mm), driven

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|-------------------------------|------|----------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|-----------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.98 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 554.68 | 0.00 | 0.00 | 0.00 | 554.68 | 554.68 | |
| L009 | Welder | md | 0.98 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 490.00 | 0.00 | 0.00 | 0.00 | 490.00 | 490.00 | |
| L019 | Skilled Labor | md | 1.96 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 789.88 | 0.00 | 0.00 | 0.00 | 789.88 | 789.88 | |
| L020 | Unskilled Labor | md | 0.98 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 307.72 | 0.00 | 0.00 | 0.00 | 307.72 | 307.72 | |
| R0501-025 | Diesel Hammer w/o Crane, 2.5t | hr | 8.17 | 0.0% | 0.0% | 100.0% | 55.5% | 44.4% | 1,670.00 | 0.00 | 0.00 | 10,303.90 | 5,730.45 | 4,573.45 | 10,303.90 | |
| R0401-035 | Crawler Crane, 31-35t | hr | 8.17 | 4.3% | 9.8% | 85.9% | 52.9% | 47.1% | 1,680.00 | 445.72 | 1,015.83 | 8,904.05 | 5,484.61 | 4,880.99 | 10,365.60 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 3.70 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 270.66 | 334.63 | 4,315.72 | 2,557.03 | 2,363.97 | 4,921.00 | |
| R0901-050 | Welding Machine 500A | day | 4.98 | 0.0% | 60.4% | 39.6% | 60.6% | 39.4% | 1,470.00 | 0.00 | 878.12 | 570.48 | 873.53 | 567.07 | 1,440.60 | |
| R1001-150 | Generator 101-150 kW | day | 0.98 | 0.0% | 52.2% | 47.8% | 59.9% | 40.1% | 3,610.00 | 0.00 | 1,846.73 | 1,891.07 | 2,120.89 | 1,416.91 | 3,537.80 | |
| | Miscellaneous | LS | 1.00 | 5.0% | 20.0% | 75.0% | 55.0% | 45.0% | | 16.36 | 65.42 | 245.33 | 179.91 | 147.20 | 327.11 | 1.0% |
| Total | | | | | | | | | | 2,875.01 | 4,132.73 | 26,030.55 | 16,946.43 | 16,091.86 | 33,038.29 | |
| Components (%) | | | | | | | | | | 8.7% | 12.5% | 78.8% | 51.3% | 48.7% | 100.0% | |
| Unit Rate | | | m | | | | | | | 28.72 | 41.28 | 260.00 | 169.27 | 160.73 | 330.00 | |

Miscellaneous covers the cost for welding rods, scaffolding, lubricant, etc.

$T_c = (T_b + T_w + T_p) / F$

Tc: Cycle time per pile = 43.10 min

Tb: Driving Time = $K \cdot \alpha \cdot L \cdot \beta$ = 20.79 min

Tw: Welding Time = $17 \cdot n$ = 0.00 min

Tp: Preparation time = $6 \cdot (n+1) + 12$ = 18.00 min

F: Efficiency = $0.9 + (f1 + f2 + f3)$ = 0.90

K: Pile Coefficient = 1.60

α : Soil factor = 1.15

β : Hammer factor = 0.97

L: Pile Driving Length = 11.65 m

D: Pile size = 0.40 m

n: number of joint = 0.00

f1: Obstruction factor = 0.00

f2: Space factor = 0.00

f3: Volume factor = 0.00

T: Daily Operation hour = 6.29 hr

400(13)b Precast Concrete Piles (450mm x 450mm), driven

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|-------------------------------|------|----------|---------------|-------|--------|-------|--------|------------|----------------|----------|-----------|-----------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.04 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 588.64 | 0.00 | 0.00 | 0.00 | 588.64 | 588.64 | |
| L009 | Welder | md | 1.04 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 520.00 | 0.00 | 0.00 | 0.00 | 520.00 | 520.00 | |
| L019 | Skilled Labor | md | 2.08 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 838.24 | 0.00 | 0.00 | 0.00 | 838.24 | 838.24 | |
| L020 | Unskilled Labor | md | 1.04 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 326.56 | 0.00 | 0.00 | 0.00 | 326.56 | 326.56 | |
| R0501-025 | Diesel Hammer w/o Crane, 2.5t | hr | 6.54 | 0.0% | 0.0% | 100.0% | 55.8% | 44.4% | 1,670.00 | 0.00 | 0.00 | 10,921.80 | 6,074.10 | 4,847.70 | 10,921.80 | |
| R0401-035 | Crawler Crane, 31-35t | hr | 6.54 | 4.3% | 9.8% | 85.9% | 52.9% | 47.1% | 1,680.00 | 472.45 | 1,076.75 | 9,438.00 | 5,813.51 | 5,173.69 | 10,987.20 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 3.92 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 286.75 | 354.52 | 4,572.33 | 2,709.07 | 2,504.53 | 5,213.60 | |
| R0901-050 | Welding Machine 500A | day | 1.04 | 0.0% | 60.4% | 39.6% | 60.6% | 39.4% | 1,470.00 | 0.00 | 923.40 | 605.40 | 927.01 | 601.79 | 1,528.80 | |
| R1001-150 | Generator 101-150 kW | day | 1.04 | 0.0% | 52.2% | 47.8% | 59.9% | 40.1% | 3,610.00 | 0.00 | 1,959.80 | 1,794.60 | 2,250.74 | 1,503.66 | 3,754.40 | |
| | Miscellaneous | LS | 1.00 | 5.0% | 20.0% | 75.0% | 55.0% | 45.0% | | 17.34 | 69.36 | 260.09 | 190.74 | 166.06 | 346.79 | 1.0% |
| Total | | | | | | | | | | 3,049.98 | 4,383.82 | 27,592.23 | 17,965.17 | 17,060.87 | 35,028.03 | |
| Components (%) | | | | | | | | | | 8.7% | 12.5% | 78.8% | 51.3% | 48.7% | 100.0% | |
| Unit Rate | | | m | | | | | | | 30.48 | 43.81 | 275.72 | 179.52 | 170.48 | 350.00 | |

Miscellaneous covers the cost for welding rods, scaffolding, lubricant, etc.

$T_c = (T_b + T_w + T_p) / F$

Tc: Cycle time per pile = 41.78 min

Tb: Driving Time = $K \cdot \alpha \cdot L \cdot \beta$ = 19.60 min

Tw: Welding Time = $17 \cdot n$ = 0.00 min

Tp: Preparation time = $6 \cdot (n+1) + 12$ = 18.00 min

F: Efficiency = $0.9 + (f1 + f2 + f3)$ = 0.90

K: Pile Coefficient = 1.60

α : Soil factor = 1.15

β : Hammer factor = 1.00

L: Pile Driving Length = 10.65 m

D: Pile size = 0.45 m

n: number of joint = 0.00

f1: Obstruction factor = 0.00

f2: Space factor = 0.00

f3: Volume factor = 0.00

T: Daily Operation hour = 6.29 hr

400(15)a Test Piles (400mm x 400mm), furnished & driven

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|-----------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.77 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 435.82 | 0.00 | 0.00 | 0.00 | 435.82 | 435.82 | |
| L009 | Welder | md | 0.77 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 385.00 | 0.00 | 0.00 | 0.00 | 385.00 | 385.00 | |
| L019 | Skilled Labor | md | 1.53 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 616.59 | 0.00 | 0.00 | 0.00 | 616.59 | 616.59 | |
| L020 | Unskilled Labor | md | 0.77 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 241.78 | 0.00 | 0.00 | 0.00 | 241.78 | 241.78 | |
| 400(4)a | Precast RC Concrete Pile (400mm x 400mm), furnished | m | 100.00 | 11.8% | 71.0% | 17.2% | 54.2% | 45.8% | 1,580.00 | 18,666.08 | 112,186.77 | 27,147.15 | 85,573.72 | 72,426.28 | 158,000.00 | |
| R0501-025 | Diesel Hammer w/o Crane, 2.5t | hr | 4.82 | 0.0% | 0.0% | 100.0% | 55.6% | 44.4% | 1,670.00 | 0.00 | 0.00 | 8,049.40 | 4,476.63 | 3,572.77 | 8,049.40 | |
| R0401-035 | Crawler Crane, 31-35t | hr | 4.82 | 4.3% | 9.8% | 85.9% | 52.9% | 47.1% | 1,680.00 | 348.20 | 793.56 | 6,955.84 | 4,284.58 | 3,813.02 | 8,097.60 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 2.89 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 211.40 | 261.37 | 3,370.92 | 1,997.25 | 1,846.45 | 3,843.70 | |
| R0901-050 | Welding Machine 500A | day | 0.77 | 0.0% | 60.4% | 39.6% | 60.6% | 39.4% | 1,470.00 | 0.00 | 683.67 | 448.23 | 686.35 | 445.55 | 1,131.90 | |
| R1001-150 | Generator 101-150 kW | day | 0.77 | 0.0% | 52.2% | 47.8% | 59.9% | 40.1% | 3,610.00 | 0.00 | 1,451.00 | 1,328.70 | 1,666.41 | 1,113.29 | 2,779.70 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 20.0% | 70.0% | 55.0% | 45.0% | | 183.58 | 367.16 | 1,285.07 | 1,009.70 | 826.12 | 1,835.81 | 1.0% |
| Total | | | | | | | | | | 21,088.45 | 115,743.54 | 48,585.32 | 99,594.63 | 85,722.67 | 185,417.30 | |
| Components (%) | | | | | | | | | | 11.4% | 62.4% | 26.2% | 53.8% | 46.2% | 100.0% | |
| Unit Rate | | | m | | | | | | | 210.41 | 1,154.83 | 484.76 | 994.70 | 855.30 | 1,860.00 | |

Miscellaneous covers the cost for welding rods, scaffolding, lubricant, etc.

| | | | | |
|---|---|-----------|---------------------------|---------|
| $T_c = (T_b + T_w + T_p) / F$ | = | | Lf: Pile Furnished Length | 14.90 m |
| Tc: Cycle time per pile | = | 43.10 min | Ld: Pile Driving Length | 11.65 m |
| Tb: Driving Time = $K \cdot \alpha \cdot L \cdot \beta$ | = | 20.79 min | D: Pile size | 0.40 m |
| Tw: Welding Time = $17 \cdot n$ | = | 0.00 min | n: number of joint | 0.00 |
| Tp: Preparation time = $6 \cdot (n+1) + 12$ | = | 18.00 min | f1: Obstruction factor | 0.00 |
| F: Efficiency = $0.9 + (f1 + f2 + f3)$ | = | 0.90 | f2: Space factor | 0.00 |
| K: Pile Coefficient | = | 1.60 | f3: Volume factor | 0.00 |
| α : Soil factor | = | 1.15 | T: Daily Operation hour | 6.29 hr |
| β : Hammer factor | = | 0.97 | | |

400(15)b Test Piles (450mm x 450mm), furnished & driven

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.80 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 452.80 | 0.00 | 0.00 | 0.00 | 452.80 | 452.80 | |
| L009 | Welder | md | 0.80 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 400.00 | 0.00 | 0.00 | 0.00 | 400.00 | 400.00 | |
| L019 | Skilled Labor | md | 1.59 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 640.77 | 0.00 | 0.00 | 0.00 | 640.77 | 640.77 | |
| L020 | Unskilled Labor | md | 0.80 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 251.20 | 0.00 | 0.00 | 0.00 | 251.20 | 251.20 | |
| 400(4)b | Precast RC Concrete Pile (450mmx450mm) furnished | m | 100.00 | 11.8% | 71.0% | 17.1% | 54.2% | 45.8% | 2,010.00 | 23,799.04 | 142,760.94 | 34,440.02 | 108,853.41 | 92,146.59 | 201,000.00 | |
| R0501-025 | Diesel Hammer w/o Crane, 2.5t | hr | 5.01 | 0.0% | 0.0% | 100.0% | 55.6% | 44.4% | 1,670.00 | 0.00 | 0.00 | 8,366.70 | 4,653.09 | 3,713.61 | 8,366.70 | |
| R0401-035 | Crawler Crane, 31-35t | hr | 5.01 | 4.3% | 9.8% | 85.9% | 52.9% | 47.1% | 1,680.00 | 361.92 | 824.85 | 7,230.03 | 4,453.47 | 3,963.33 | 8,416.80 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 3.01 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 220.18 | 272.22 | 3,510.89 | 2,080.18 | 1,923.12 | 4,003.30 | |
| R0901-050 | Welding Machine 500A | day | 0.80 | 0.0% | 60.4% | 39.6% | 60.6% | 39.4% | 1,470.00 | 0.00 | 710.30 | 465.70 | 713.09 | 462.91 | 1,176.00 | |
| R1001-150 | Generator 101-150 kW | day | 0.80 | 0.0% | 52.2% | 47.8% | 59.9% | 40.1% | 3,610.00 | 0.00 | 1,507.54 | 1,380.46 | 1,731.34 | 1,156.66 | 2,888.00 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 20.0% | 70.0% | 55.0% | 45.0% | | 227.60 | 455.19 | 1,593.17 | 1,251.78 | 1,024.18 | 2,275.96 | 1.0% |
| Total | | | | | | | | | | 26,353.51 | 146,531.05 | 56,986.97 | 123,736.35 | 106,135.18 | 229,871.53 | |
| Components (%) | | | | | | | | | | 11.5% | 63.7% | 24.6% | 53.8% | 46.2% | 100.0% | |
| Unit Rate | | | m | | | | | | | 263.68 | 1,466.13 | 570.19 | 1,238.05 | 1,061.94 | 2,300.00 | |

Miscellaneous covers the cost for welding rods, scaffolding, lubricant, etc.

| | | | | |
|---|---|-----------|---------------------------|---------|
| $T_c = (T_b + T_w + T_p) / F$ | = | | Lf: Pile Furnished Length | 13.90 m |
| Tc: Cycle time per pile | = | 41.78 min | Ld: Pile Driving Length | 10.65 m |
| Tb: Driving Time = $K \cdot \alpha \cdot L \cdot \beta$ | = | 19.60 min | D: Pile size | 0.45 m |
| Tw: Welding Time = $17 \cdot n$ | = | 0.00 min | n: number of joint | 0.00 |
| Tp: Preparation time = $6 \cdot (n+1) + 12$ | = | 18.00 min | f1: Obstruction factor | 0.00 |
| F: Efficiency = $0.9 + (f1 + f2 + f3)$ | = | 0.90 | f2: Space factor | 0.00 |
| K: Pile Coefficient | = | 1.60 | f3: Volume factor | 0.00 |
| α : Soil factor | = | 1.15 | T: Daily Operation hour | 6.29 hr |
| β : Hammer factor | = | 1.00 | | |

400(16)c Test Piles (Steel H Piles 460mmx260kg/m), furnished & driven

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|--|------|----------|---------------|-------|--------|-------|--------|------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.99 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 666.00 | 560.34 | 0.00 | 0.00 | 0.00 | 560.34 | 560.34 | |
| L009 | Welder | md | 0.99 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 495.00 | 0.00 | 0.00 | 0.00 | 495.00 | 495.00 | |
| L019 | Skilled Labor | md | 1.98 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 797.94 | 0.00 | 0.00 | 0.00 | 797.94 | 797.94 | |
| L020 | Unskilled Labor | md | 0.99 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 310.86 | 0.00 | 0.00 | 0.00 | 310.86 | 310.86 | |
| 400(3)a | Steel H Piles (450mmx260kg/m), furnished | m | 100.00 | 2.3% | 81.1% | 16.6% | 65.4% | 34.6% | 6,700.00 | 15,119.26 | 543,629.76 | 111,250.98 | 438,045.54 | 231,954.46 | 670,000.00 | |
| R0501-025 | Diesel Hammer w/o Crane, 2.5t | hr | 6.24 | 0.0% | 0.0% | 100.0% | 55.6% | 44.4% | 1,670.00 | 0.00 | 0.00 | 10,420.80 | 5,795.47 | 4,625.33 | 10,420.80 | |
| R0401-035 | Crawler Crane, 31-35t | hr | 6.24 | 4.3% | 9.8% | 85.9% | 52.9% | 47.1% | 1,680.00 | 460.78 | 1,027.35 | 9,005.07 | 5,546.84 | 4,936.36 | 10,483.20 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 3.74 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 273.58 | 338.25 | 4,362.37 | 2,584.67 | 2,389.53 | 4,974.20 | |
| R0901-050 | Welding Machine 500A | day | 0.99 | 0.0% | 60.4% | 39.6% | 60.6% | 39.4% | 1,470.00 | 0.00 | 879.00 | 576.30 | 882.45 | 572.85 | 1,455.30 | |
| R1001-150 | Generator 101-150 kW | day | 0.99 | 0.0% | 52.2% | 47.8% | 59.9% | 40.1% | 3,610.00 | 0.00 | 1,865.58 | 1,708.32 | 2,142.53 | 1,431.37 | 3,573.90 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 20.0% | 70.0% | 55.0% | 45.0% | | 703.07 | 1,406.14 | 4,921.50 | 3,865.89 | 3,163.82 | 7,030.72 | 1.0% |
| | Total | | | | | | | | | 18,710.83 | 549,146.08 | 142,245.35 | 458,864.38 | 251,237.87 | 710,102.26 | |
| | Components (%) | | | | | | | | | 2.6% | 77.3% | 20.0% | 64.6% | 35.4% | 100.0% | |
| | Unit Rate | m | | | | | | | | 187.1 | 5,490.7 | 1,422.2 | 4,588.0 | 2,512.0 | 7,100.0 | |

Miscellaneous covers the cost for welding rods, scaffolding, lubricant, etc.

| | | | | | |
|---------------------------------------|---|-----------|---------------------------|---|---------|
| Tc = (Tb + Tw + Tp) / F | = | 26.20 min | Lf: Pile Furnished Length | = | 7.00 m |
| Tb: Driving Time = K * α * L * β | = | 5.58 min | L: Pile Driving Length | = | 5.00 m |
| Tw: Welding Time = 18 * n | = | 0.00 min | D: Pile size | = | 0.40 m |
| Tp: Preparation Time = 6 * (n+1) + 12 | = | 18.00 min | n: number of joint | = | 0.00 |
| F: Efficiency = 0.9 + (f1 + f2 + f3) | = | 0.90 | f1: Obstruction factor | = | 0.00 |
| K: Pile Coefficient | = | 1.00 | f2: Space factor | = | 0.00 |
| α: Soil factor | = | 1.15 | f3: Volume factor | = | 0.00 |
| β: Hammer factor | = | 0.97 | T: Daily Operation hour | = | 6.29 hr |

400(16)a Cast-in-place Concrete Bored Piles, φ1000mm

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|--|------|-----------|---------------|-------|--------|-------|--------|------------|------------------|-------------------|-------------------|-------------------|-------------------|---------------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 5.44 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 3,079.04 | 0.00 | 0.00 | 0.00 | 3,079.04 | 3,079.04 | |
| L019 | Skilled Labor | md | 9.14 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 3,683.42 | 0.00 | 0.00 | 0.00 | 3,683.42 | 3,683.42 | |
| L020 | Unskilled Labor | md | 8.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 2,637.60 | 0.00 | 0.00 | 0.00 | 2,637.60 | 2,637.60 | |
| W0205 | Concrete (Class A1, 28MPa, max agr. 25mm) | m3 | 84.82 | 2.3% | 81.7% | 15.9% | 57.7% | 42.3% | 1,770.00 | 3,493.28 | 122,731.72 | 23,906.40 | 86,566.44 | 63,564.96 | 150,131.40 | Loss 8.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 78.54 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 3,135.76 | 39.58 | 17,009.44 | 9,115.38 | 11,069.40 | 20,184.78 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 157.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 555.55 | 2,816.93 | 285.62 | 1,975.19 | 1,682.91 | 3,658.10 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 21,049.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 74,584.98 | 401,552.37 | 39,563.15 | 280,954.73 | 234,745.77 | 515,700.50 | |
| Q0513-120 | All Casing Excavator, φ1200max | hr | 34.35 | 1.0% | 4.4% | 94.6% | 55.4% | 44.6% | 6,200.00 | 2,167.74 | 9,303.94 | 201,498.33 | 117,997.57 | 94,972.43 | 212,970.00 | |
| R0401-035 | Crawler Crane, 31-35t | hr | 30.91 | 4.3% | 9.8% | 85.9% | 52.9% | 47.1% | 1,680.00 | 2,232.94 | 5,089.02 | 44,606.84 | 27,476.40 | 24,452.40 | 51,928.80 | |
| Q0514-100 | Hammer Grab, φ1000 | day | 5.28 | 0.0% | 0.0% | 100.0% | 67.0% | 33.0% | 5,660.00 | 0.00 | 0.00 | 29,884.80 | 20,011.07 | 9,873.73 | 29,884.80 | |
| Q0515-001 | Hammer Crown, ≤ φ1200 | day | 5.28 | 0.0% | 0.0% | 100.0% | 70.7% | 29.3% | 1,430.00 | 0.00 | 0.00 | 7,550.40 | 5,338.53 | 2,211.87 | 7,550.40 | |
| Q0516-105 | Casing Tube, φ1000, L=5m | day | 116.07 | 0.0% | 0.0% | 100.0% | 68.5% | 31.5% | 1,780.00 | 0.00 | 0.00 | 206,604.60 | 141,572.06 | 65,032.54 | 206,604.60 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 77.52 | 9.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 587.19 | 1,063.59 | 5,558.58 | 3,710.94 | 3,498.42 | 7,209.36 | |
| | Miscellaneous | LS | 1.00 | 5.0% | 30.0% | 65.0% | 55.0% | 45.0% | | 1,822.83 | 10,937.01 | 23,696.84 | 20,051.18 | 16,405.51 | 36,456.68 | 3.0% |
| | Total | | | | | | | | | 97,980.33 | 553,534.15 | 600,165.00 | 714,769.49 | 536,910.00 | 1,251,679.48 | |
| | Components (%) | | | | | | | | | 7.8% | 44.2% | 47.9% | 57.1% | 42.9% | 100.0% | |
| | Unit Rate | m | | | | | | | | 978.49 | 5,527.91 | 5,993.60 | 7,138.10 | 5,361.90 | 12,500.00 | |

Miscellaneous covers the cost for stand pipe, tremy pipe, welder, vessel, slash tank, suction hose, water pump, etc.

| | | | | | |
|--|---|--------------|--|---|-----------------|
| Tc = Tso + Te | = | 573 min/pile | Excavator Operation Time TD1 = Tc - 16.4 | = | 556.44 min/pile |
| Tso: Preparation Time = 46.8 + 11.3 * L2 | = | 348 min/pile | Crawler Crane Operation Time TD2 = 0.9 * TD1 | = | 509.80 min/pile |
| Te: Excavation Time = Σ ai * Li | = | 225 min/pile | D: Pile diameter | = | 1.000 m |
| | | | L: Pile Length | = | 27.000 m |
| | | | L2: Excavation depth | = | 26.850 m |
| | | | Steel Casing Length | = | 29.650 m |
| | | | T: Daily Operation hour | = | 6.50 hr |

| | | | |
|--------------|-------|---------------|---------------|
| | ai | Li | ai * Li |
| N < 20 | 8.30 | 23.650 | 196.30 |
| N < 40 | 9.20 | 2.000 | 18.40 |
| N > 40 | 10.20 | 1.000 | 10.20 |
| Total | | 26.650 | 224.90 |

400(16)b Cast-in-place Concrete Bored Piles ϕ 1200mm

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|-----------|---------------|-------|--------|-------|--------|------------|------------|------------|----------------|------------|------------|--------------|-----------|
| | | | | Component (%) | | | | | | Labor | Material | Component (PP) | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | | | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 5.62 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 3,180.92 | 0.00 | 0.00 | 0.00 | 3,180.92 | | |
| L019 | Skilled Labor | md | 10.89 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 4,388.67 | 0.00 | 0.00 | 0.00 | 4,388.67 | | |
| L020 | Unskilled Labor | md | 9.84 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 3,089.76 | 0.00 | 0.00 | 0.00 | 3,089.76 | | |
| W0205 | Concrete (Class AAI, 28MPa, max agr. 25mm) | m3 | 122.15 | 2.3% | 81.7% | 15.9% | 57.7% | 42.3% | 1,770.00 | 5,030.71 | 176,746.98 | 34,427.81 | 124,665.06 | 91,540.44 | 216,205.50 | Loss 8.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 113.10 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 4,515.69 | 56.99 | 24,494.12 | 13,126.42 | 15,940.28 | 29,066.70 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 226.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 799.71 | 4,054.95 | 411.14 | 2,843.27 | 2,422.53 | 5,265.80 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 30,311.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 107,403.92 | 578,243.81 | 56,971.76 | 404,580.68 | 338,038.82 | 742,619.50 | |
| Q0513-120 | All Casing Excavator, ϕ 1200max | hr | 35.12 | 1.0% | 4.4% | 94.6% | 55.4% | 44.6% | 6,200.00 | 2,216.33 | 9,512.50 | 206,015.17 | 120,642.64 | 97,101.36 | 217,744.00 | |
| R0401-035 | Crawler Crane, 31-35t | hr | 31.61 | 4.3% | 9.8% | 85.9% | 52.9% | 47.1% | 1,680.00 | 2,283.51 | 5,204.27 | 45,617.02 | 28,098.64 | 25,006.16 | 53,104.80 | |
| Q0514-120 | Hammer Grab, ϕ 1200 | day | 5.40 | 0.0% | 0.0% | 100.0% | 67.0% | 33.0% | 5,910.00 | 0.00 | 0.00 | 31,914.00 | 21,369.83 | 10,544.17 | 31,914.00 | |
| Q0515-001 | Hammer Crown, $\leq \phi$ 1200 | day | 5.40 | 0.0% | 0.0% | 100.0% | 70.7% | 29.3% | 1,430.00 | 0.00 | 0.00 | 7,722.00 | 5,459.86 | 2,262.14 | 7,722.00 | |
| Q0516-125 | Casing Tube, ϕ 1200, L=5m | day | 128.82 | 0.0% | 0.0% | 100.0% | 68.5% | 31.5% | 2,080.00 | 0.00 | 0.00 | 267,945.60 | 183,604.87 | 84,340.73 | 267,945.60 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 111.01 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 840.87 | 1,523.08 | 7,959.99 | 5,314.13 | 5,009.80 | 10,323.93 | |
| | Miscellaneous | LS | 1.00 | 5.0% | 30.0% | 65.0% | 55.0% | 45.0% | | 2,388.86 | 14,333.14 | 31,055.14 | 26,277.42 | 21,499.71 | 47,777.14 | 3.0% |
| Total | | | | | | | | | | 136,138.84 | 789,675.72 | 714,533.75 | 935,982.84 | 704,365.47 | 1,640,348.32 | |
| Components (%) | | | | | | | | | | 8.3% | 48.1% | 43.6% | 57.1% | 42.9% | 100.0% | |
| Unit Rate | | | | | | | | | | 1,361.10 | 7,895.08 | 7,143.82 | 9,357.84 | 7,042.16 | 16,400.00 | |

Miscellaneous covers the cost for stand pipe, tremmy pipe, welder, vessel, slash tank, suction hose, water pump, etc.

$T_c = T_{so} + T_a$

T_c : Cycle time per pile = 416.78 min/pile

T_{so} : Preparation Time = 46.8+11.3xL2 = 257.55 min/pile

T_c : Excavation Time = $\sum a_i x l_i$ = 159.24 min/pile

Excavator Operation Time $T_{D1} = T_c - 16.4$

Crawler Crane Operation Time $T_{D2} = 0.9xT_{D1}$

D : Pile diameter

L : Pile Length

L2: Excavation depth

Steel Casing Length

T : Daily Operation hour

400.38 min/pile

360.34 min/pile

1.206 m

19.000 m

18.650 m

22.650 m

6.50 hr

| | a _i | l _i | a _i x l _i |
|--------|----------------|----------------|---------------------------------|
| N < 20 | 8.30 | 15.050 | 124.92 |
| N < 40 | 9.20 | 2.400 | 22.08 |
| N > 40 | 10.20 | 1.200 | 12.24 |
| Total | | 18.650 | 159.24 |

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|-----------|---------------|-------|--------|-------|--------|------------|----------------|--------------|--------------|--------------|--------------|--------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 5.61 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 3,175.26 | 0.00 | 0.00 | 0.00 | 3,175.26 | 3,175.26 | |
| LD19 | Skilled Labor | md | 10.61 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 4,275.83 | 0.00 | 0.00 | 0.00 | 4,275.83 | 4,275.83 | |
| L020 | Unskilled Labor | md | 9.61 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 3,017.54 | 0.00 | 0.00 | 0.00 | 3,017.54 | 3,017.54 | |
| W0205 | Concrete (Class AAI, 28MPa, max agg. 25mm) | m3 | 190.85 | 2.3% | 81.7% | 15.9% | 57.7% | 42.3% | 1,770.00 | 7,860.10 | 276,153.60 | 53,790.81 | 194,779.59 | 143,024.91 | 337,804.50 | Loss 8.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 176.71 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 7,055.26 | 89.05 | 38,270.16 | 20,509.02 | 24,905.45 | 45,414.47 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 353.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 1,249.10 | 6,333.62 | 642.18 | 4,441.03 | 3,783.87 | 8,224.90 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 47,358.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 167,808.22 | 903,449.92 | 89,012.86 | 632,118.11 | 528,152.89 | 1,160,271.00 | |
| Q0513-150 | All Casing Excavator, ϕ 1500max | hr | 35.09 | 0.7% | 2.1% | 97.2% | 55.3% | 44.7% | 8,630.00 | 2,215.05 | 6,323.86 | 294,287.79 | 167,613.21 | 135,213.49 | 302,826.70 | |
| R0401-035 | Crawler Crane, 31-35t | hr | 31.68 | 4.3% | 9.8% | 85.9% | 52.9% | 47.1% | 1,680.00 | 2,281.34 | 5,199.33 | 45,573.73 | 28,071.98 | 24,982.42 | 53,054.40 | |
| Q0514-150 | Hammer Grub. ϕ 1500 | day | 5.40 | 0.0% | 0.0% | 100.0% | 67.0% | 33.0% | 10,100.00 | 0.00 | 0.00 | 54,540.00 | 36,520.36 | 18,019.64 | 54,540.00 | |
| Q0515-002 | Hammer Crown, $> \phi$ 1200 | day | 5.40 | 0.0% | 0.0% | 100.0% | 70.7% | 29.3% | 1,920.00 | 0.00 | 0.00 | 10,368.00 | 7,330.72 | 3,037.28 | 10,368.00 | |
| Q0516-155 | Casing Tube, ϕ 1500, l=6m | day | 133.07 | 0.0% | 0.0% | 100.0% | 68.5% | 31.5% | 2,690.00 | 0.00 | 0.00 | 357,958.30 | 245,284.45 | 112,673.85 | 357,958.30 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 173.62 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 1,315.12 | 2,382.09 | 12,449.45 | 8,311.32 | 7,835.34 | 16,146.66 | |
| | Miscellaneous | LS | 1.00 | 5.0% | 30.0% | 65.0% | 55.0% | 45.0% | | 3,535.62 | 21,213.70 | 45,963.01 | 38,891.78 | 31,820.55 | 70,712.33 | 3.0% |
| Total | | | | | | | | | | 203,788.44 | 1,221,145.16 | 1,002,856.29 | 1,383,871.57 | 1,043,918.32 | 2,427,789.89 | |
| Components (%) | | | | | | | | | | 8.4% | 60.3% | 41.3% | 57.0% | 43.0% | 100.0% | |
| Unit Rate | | | m | | | | | | | 2,039.74 | 12,222.57 | 10,037.69 | 13,851.31 | 10,448.69 | 24,300.00 | |

Miscellaneous covers the cost for stand pipe, tremmy pipe, welder, vessel, slash tank, suction hose, water pump, etc.

$T_c = T_{so} + T_e$

T_c : Cycle time per pile = 437.49 min/pile

T_{so} : Preparation Time = 46.8+11.3x1.2 = 268.85 min/pile

T_e : Excavation Time = $\sum a_i x L_i$ = 168.65 min/pile

Excavator Operation Time $TD1 = T_c - 16.4$

Crawler Crane Operation Time $TD2 = 0.9xTD1$

D : Pile diameter

L : Pile Length

1.2 : Excavation depth

Steel Casing Length

T : Daily Operation hour

421.09 min/pile

378.98 min/pile

1.500 m

20.000 m

19.650 m

24.650 m

6.50 hr

| | a_i | L_i | $a_i x L_i$ |
|----------|-------|--------|-------------|
| $N < 20$ | 8.30 | 16.150 | 134.775 |
| $N < 40$ | 9.20 | 3.000 | 27.60 |
| $N > 40$ | 10.20 | 1.500 | 15.30 |
| Total | | 19.650 | 168.65 |

400(16)d Cast-in-place Concrete Bored Piles ϕ 800mm

Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|-----------|---------------|-------|--------|-------|--------|------------|----------------|------------|------------|------------|------------|--------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 5.94 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 3,362.04 | 0.00 | 0.00 | 0.00 | 3,362.04 | 3,362.04 | |
| L019 | Skilled Labor | md | 14.28 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 5,754.84 | 0.00 | 0.00 | 0.00 | 5,754.84 | 5,754.84 | |
| L020 | Unskilled Labor | md | 12.61 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 3,959.54 | 0.00 | 0.00 | 0.00 | 3,959.54 | 3,959.54 | |
| W0205 | Concrete (Class AA1, 28MPa, max agr. 25mm) | m3 | 54.29 | 2.3% | 81.7% | 15.9% | 57.7% | 42.3% | 1,770.00 | 2,235.92 | 78,555.82 | 15,301.56 | 55,407.83 | 40,685.47 | 96,093.30 | Loss 8.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 50.27 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 2,007.06 | 25.33 | 10,887.00 | 5,834.35 | 7,085.04 | 12,919.39 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 3,137.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 11,100.38 | 56,284.85 | 5,706.86 | 39,466.03 | 33,626.07 | 73,092.10 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 13,975.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 49,518.98 | 266,601.47 | 26,267.04 | 186,533.44 | 155,854.06 | 342,387.50 | |
| Q0513-120 | All Casing Excavator, ϕ 1200max | hr | 36.35 | 1.0% | 4.4% | 94.6% | 55.4% | 44.6% | 6,200.00 | 2,293.95 | 9,845.65 | 213,230.40 | 124,867.88 | 100,502.12 | 225,370.00 | |
| R0401-035 | Crawler Crane, 31-35t | hr | 32.71 | 4.3% | 9.8% | 85.9% | 52.9% | 47.1% | 1,680.00 | 2,362.97 | 5,385.37 | 47,294.46 | 29,076.45 | 25,876.35 | 54,952.80 | |
| Q0514-080 | Hammer Grab, ϕ 800 | day | 5.59 | 0.0% | 0.0% | 100.0% | 97.0% | 33.0% | 5,170.00 | 0.00 | 0.00 | 28,900.30 | 19,351.84 | 9,548.46 | 28,900.30 | |
| Q0515-002 | Hammer Crown, $>$ ϕ 1200 | day | 5.59 | 0.0% | 0.0% | 100.0% | 70.7% | 29.3% | 1,920.00 | 0.00 | 0.00 | 10,732.80 | 7,588.66 | 3,144.14 | 10,732.80 | |
| Q0516-085 | Casing Tube, ϕ 800, L=5m | day | 117.90 | 0.0% | 0.0% | 100.0% | 68.5% | 31.5% | 1,710.00 | 0.00 | 0.00 | 201,609.00 | 138,148.92 | 63,460.08 | 201,609.00 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 48.80 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 369.65 | 669.54 | 3,499.21 | 2,336.09 | 2,202.31 | 4,538.40 | |
| | Miscellaneous | LS | 1.00 | 5.0% | 30.0% | 65.0% | 55.0% | 45.0% | | 1,595.51 | 9,573.05 | 20,741.60 | 17,550.59 | 14,359.57 | 31,910.16 | 3.0% |
| Total | | | | | | | | | | 84,560.84 | 426,911.10 | 584,080.23 | 626,162.08 | 469,420.10 | 1,095,582.17 | |
| Components (%) | | | | | | | | | | 7.7% | 39.0% | 53.3% | 57.2% | 42.8% | 100.0% | |
| Unit Rate | | | m | | | | | | | 849.02 | 4,286.63 | 5,864.35 | 6,286.87 | 4,713.13 | 11,000.00 | |

Miscellaneous covers the cost for stand pipe, tremmy pipe, welder, vessel, slash tank, suction hose, water pump, etc.

Tc = Tso + Te

Tso: Cycle time per pile = 278.10 min/pile

Ts: Preparation Time = 46.8+11.3xL2 = 178.45 min/pile

Te: Excavation Time = Σ aiXi = 99.66 min/pile

Excavator Operation Time TD1 = Tc = 16.4

Crawler Crane Operation Time TD2 = 0.9xTD1

261.70 min/pile

235.53 min/pile

D : Pile diameter

L : Pile Length

L2: Excavation depth

Steel Casing Length

T : Daily Operation hour

0.800 m

12.000 m

11.650 m

12.650 m

6.50 hr

| | ai | Li | nixLi |
|--------|-------|--------|-------|
| N < 20 | 8.30 | 9.250 | 76.78 |
| N < 40 | 9.20 | 1.600 | 14.72 |
| N > 40 | 10.20 | 0.800 | 8.16 |
| Total | | 11.650 | 99.66 |

400(19)a File shoes for 400mm x 400mm Piles

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|----------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|----------|-----------|---------|--------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L009 | Welder | md | 0.05 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 25.00 | |
| L019 | Skilled Labor | md | 0.05 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 20.15 | 0.00 | 0.00 | 0.00 | 20.15 | 20.15 | |
| W02015 | Structural Steel (Plates, SS400) | kg | 11.99 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 242.20 | 0.00 | 169.54 | 72.66 | 242.20 | |
| W02002 | Reinforcing Bars, Grade 60 | kg | 22.70 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 17.00 | 0.00 | 385.90 | 0.00 | 250.84 | 135.07 | 385.90 | |
| R0901-025 | Welding Machine 250A | day | 0.05 | 0.0% | 39.8% | 60.2% | 68.6% | 41.4% | 588.00 | 0.00 | 11.70 | 17.70 | 17.22 | 12.18 | 29.40 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 50.0% | 50.0% | | 1.41 | 4.22 | 8.43 | 7.03 | 7.03 | 14.05 | 2.0% |
| Total | | | | | | | | | | 46.56 | 644.02 | 26.13 | 444.63 | 272.08 | 716.70 | |
| Components (%) | | | | | | | | | | 6.5% | 89.9% | 3.6% | 62.0% | 38.0% | 100.0% | |
| Unit Rate | | | each | | | | | | | 46.57 | 644.28 | 26.14 | 444.81 | 272.19 | 717.00 | |

Miscellaneous covers the cost for steel cutters, acetylene gas, welding rods, wires, etc.

400(19)b File shoes for 450mm x 450mm Piles

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|----------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|----------|-----------|---------|--------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L009 | Welder | md | 0.05 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 | 25.00 | |
| L019 | Skilled Labor | md | 0.05 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 20.15 | 0.00 | 0.00 | 0.00 | 20.15 | 20.15 | |
| W02015 | Structural Steel (Plates, SS400) | kg | 11.99 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 242.20 | 0.00 | 169.54 | 72.66 | 242.20 | |
| W02002 | Reinforcing Bars, Grade 60 | kg | 22.70 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 17.00 | 0.00 | 385.90 | 0.00 | 250.84 | 135.07 | 385.90 | |
| R0901-025 | Welding Machine 250A | day | 0.05 | 0.0% | 39.8% | 60.2% | 68.6% | 41.4% | 588.00 | 0.00 | 11.70 | 17.70 | 17.22 | 12.18 | 29.40 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 50.0% | 50.0% | | 1.41 | 4.22 | 8.43 | 7.03 | 7.03 | 14.05 | 2.0% |
| Total | | | | | | | | | | 46.56 | 644.02 | 26.13 | 444.63 | 272.08 | 716.70 | |
| Components (%) | | | | | | | | | | 6.5% | 89.9% | 3.6% | 62.0% | 38.0% | 100.0% | |
| Unit Rate | | | each | | | | | | | 46.57 | 644.28 | 26.14 | 444.81 | 272.19 | 717.00 | |

Miscellaneous covers the cost for steel cutters, acetylene gas, welding rods, wires, etc.

400(20)a Splices for 400mm x 400mm Piles

Unit: 100.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-------------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-------------------|-----------------|------------------|------------------|-------------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L019 | Skilled Labor | md | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 403.00 | 0.00 | 0.00 | 0.00 | 403.00 | | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 5,752.40 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 125,402.32 | 0.00 | 87,781.62 | 37,620.70 | 125,402.32 | |
| W0225 | Grout (non-shrink) | m3 | 0.78 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 23.49 | 2,296.74 | 66.57 | 1,461.64 | 925.16 | 2,386.80 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 50.0% | 50.0% | | 256.38 | 769.15 | 1,538.31 | 1,281.92 | 1,281.92 | 2,563.84 | 2.0% |
| | Total | | | | | | | | | 682.87 | 128,468.21 | 1,604.88 | 90,525.18 | 40,230.78 | 130,755.96 | |
| | Components (%) | | | | | | | | | 0.5% | 98.3% | 1.2% | 69.2% | 30.6% | 100.0% | |
| | Unit Rate | each | | | | | | | | 6.84 | 1,287.08 | 16.08 | 906.94 | 403.06 | 1,310.00 | |

Miscellaneous covers the cost for steel cutters, acetylene gas, welding rods, wires, etc.

400(20)b Splices for 450mm x 450mm Piles

Unit: 100.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-------------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-------------------|-----------------|------------------|------------------|-------------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L019 | Skilled Labor | md | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 403.00 | 0.00 | 0.00 | 0.00 | 403.00 | | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 5,762.10 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 125,613.78 | 0.00 | 87,929.65 | 37,684.13 | 125,613.78 | |
| W0225 | Grout (non-shrink) | m3 | 0.82 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 24.69 | 2,414.52 | 69.99 | 1,536.60 | 972.60 | 2,509.20 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 50.0% | 50.0% | | 257.05 | 771.16 | 1,542.31 | 1,285.26 | 1,285.26 | 2,570.52 | 2.0% |
| | Total | | | | | | | | | 684.74 | 128,799.46 | 1,612.30 | 90,751.50 | 40,345.00 | 131,096.50 | |
| | Components (%) | | | | | | | | | 0.5% | 98.2% | 1.2% | 69.2% | 30.8% | 100.0% | |
| | Unit Rate | each | | | | | | | | 6.84 | 1,287.05 | 16.11 | 906.85 | 403.15 | 1,310.00 | |

Miscellaneous covers the cost for steel cutters, acetylene gas, welding rods, wires, etc.

400(21) Static Pile Load Test for φ1500mm Bored Piles

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|---|------|----------|---------------|-------|--------|-------|--------|------------|------------------|------------------|------------------|------------------|------------------|-------------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 283.00 | 0.00 | 0.00 | 0.00 | 283.00 | | |
| L019 | Skilled Labor | md | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 403.00 | 0.00 | 0.00 | 0.00 | 403.00 | | |
| | Static Pile Load Test for φ1500mm Bored Piles | each | 1.00 | 30.0% | 15.0% | 65.0% | 45.0% | 55.0% | 92,700.00 | 27,810.00 | 13,905.00 | 50,985.00 | 41,715.00 | 50,985.00 | 92,700.00 | |
| | Miscellaneous | LS | 1.00 | 30.0% | 10.0% | 60.0% | 40.0% | 60.0% | | 8,404.74 | 2,801.58 | 16,809.48 | 11,206.32 | 16,809.48 | 28,015.80 | 30.0% |
| | Total | | | | | | | | | 36,900.74 | 16,706.58 | 67,794.48 | 52,921.32 | 68,480.48 | 121,401.80 | |
| | Components (%) | | | | | | | | | 30.4% | 13.8% | 55.8% | 43.6% | 56.4% | 100.0% | |
| | Unit Rate | each | | | | | | | | 36,778.61 | 16,651.29 | 67,570.10 | 52,746.17 | 68,253.63 | 121,000.00 | |

Miscellaneous covers the cost for overhead, mobilization, etc. of subcontractor, etc.

SPL 400(23)a High Strain Dynamic Pile Test for φ1000mm Bored Piles

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|--|------|----------|---------------|-------|--------|-------|--------|------------|------------------|------------------|------------------|------------------|------------------|-------------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 283.00 | 0.00 | 0.00 | 0.00 | 283.00 | | |
| L019 | Skilled Labor | md | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 403.00 | 0.00 | 0.00 | 0.00 | 403.00 | | |
| | Dynamic Pile Load Test for φ1000mm Bored Piles | each | 1.00 | 30.0% | 15.0% | 55.0% | 45.0% | 55.0% | 94,000.00 | 28,200.00 | 14,100.00 | 51,700.00 | 42,300.00 | 51,700.00 | 94,000.00 | |
| | Miscellaneous | LS | 1.00 | 30.0% | 10.0% | 60.0% | 40.0% | 60.0% | | 8,521.74 | 2,840.58 | 17,043.48 | 11,362.32 | 17,043.48 | 28,405.80 | 30.0% |
| | Total | | | | | | | | | 37,407.74 | 16,940.58 | 68,743.48 | 53,662.32 | 69,429.48 | 123,091.80 | |
| | Components (%) | | | | | | | | | 30.4% | 13.8% | 55.8% | 43.6% | 56.4% | 100.0% | |
| | Unit Rate | each | | | | | | | | 37,379.84 | 16,927.95 | 68,692.21 | 53,622.30 | 69,377.70 | 123,000.00 | |

Miscellaneous covers the cost for overhead, mobilization, etc. of subcontractor, etc.

SPL 400(23)b High Strain Dynamic Pile Test for φ1200mm Bored Piles

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|--|------|----------|---------------|-------|--------|-------|--------|------------|------------------|------------------|------------------|------------------|------------------|-------------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 283.00 | 0.00 | 0.00 | 0.00 | 283.00 | | |
| L019 | Skilled Labor | md | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 403.00 | 0.00 | 0.00 | 0.00 | 403.00 | | |
| | Dynamic Pile Load Test for φ1200mm Bored Piles | each | 1.00 | 30.0% | 15.0% | 55.0% | 45.0% | 55.0% | 96,000.00 | 28,800.00 | 14,400.00 | 52,800.00 | 43,200.00 | 52,800.00 | 96,000.00 | |
| | Miscellaneous | LS | 1.00 | 30.0% | 10.0% | 60.0% | 40.0% | 60.0% | | 8,701.74 | 2,900.58 | 17,403.48 | 11,602.32 | 17,403.48 | 29,005.80 | 30.0% |
| | Total | | | | | | | | | 38,187.74 | 17,300.58 | 70,203.48 | 54,802.32 | 70,889.48 | 126,691.80 | |
| | Components (%) | | | | | | | | | 30.4% | 13.8% | 55.9% | 43.6% | 56.4% | 100.0% | |
| | Unit Rate | each | | | | | | | | 38,281.38 | 17,343.00 | 70,376.62 | 54,936.70 | 71,083.30 | 126,000.00 | |

Miscellaneous covers the cost for overhead, mobilization, etc. of subcontractor, etc.

SPL 400(23) High Strain Dynamic Pile Test for ϕ 800mm Bored Piles

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|-------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|------------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 283.00 | 0.00 | 0.00 | 0.00 | 283.00 | 283.00 | |
| L019 | Skilled Labor | md | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 403.00 | 0.00 | 0.00 | 0.00 | 403.00 | 403.00 | |
| | Dynamic Pile Load Test for ϕ 800mm Bored Piles | each | 1.00 | 30.0% | 15.0% | 55.0% | 45.0% | 55.0% | 92,000.00 | 27,600.00 | 13,800.00 | 50,600.00 | 41,400.00 | 50,600.00 | 92,000.00 | |
| | Miscellaneous | LS | 1.00 | 30.0% | 10.0% | 60.0% | 40.0% | 60.0% | | 8,341.74 | 2,780.58 | 16,683.48 | 11,122.32 | 16,683.48 | 27,805.80 | 30.0% |
| Total | | | | | | | | | 36,627.74 | 16,580.58 | 67,283.48 | 52,522.32 | 67,969.48 | 120,491.80 | | |
| Components (%) | | | | | | | | | 30.4% | 13.8% | 55.8% | 43.6% | 56.4% | 100.0% | | |
| Unit Rate | | | each | | | | | | 36,478.24 | 16,512.90 | 67,008.86 | 52,307.94 | 67,692.06 | 120,000.00 | | |

Miscellaneous covers the cost for overhead, mobilization, etc. of subcontractor, etc.

SPL 400(24) Pile Integrity Test for Bored Piles of various diameter

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|----------|---------------|-------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|------------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 283.00 | 0.00 | 0.00 | 0.00 | 283.00 | 283.00 | |
| L019 | Skilled Labor | md | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 403.00 | 0.00 | 0.00 | 0.00 | 403.00 | 403.00 | |
| | Dynamic Pile Load Test for ϕ 1500mm Bored Piles | each | 1.00 | 30.0% | 15.0% | 55.0% | 45.0% | 55.0% | 125,000.00 | 37,500.00 | 18,750.00 | 68,750.00 | 56,250.00 | 68,750.00 | 125,000.00 | |
| | Miscellaneous | LS | 1.00 | 30.0% | 10.0% | 60.0% | 40.0% | 60.0% | | 11,311.74 | 3,770.58 | 22,823.48 | 15,082.32 | 22,823.48 | 37,705.80 | 30.0% |
| Total | | | | | | | | | 49,497.74 | 22,520.58 | 91,373.48 | 71,332.32 | 92,059.48 | 163,391.80 | | |
| Components (%) | | | | | | | | | 30.3% | 13.8% | 55.9% | 43.7% | 56.3% | 100.0% | | |
| Unit Rate | | | each | | | | | | 49,379.05 | 22,466.58 | 91,154.37 | 71,161.27 | 91,838.73 | 163,000.00 | | |

Miscellaneous covers the cost for overhead, mobilization, etc. of subcontractor, etc.

401(i)a Concrete Railing Type A (Concrete Posts and Precast Beams)

Unit: 10.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|----------|---------------|-------|--------|-------|-------|------------|----------------|----------|-----------|----------|-----------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0203 | Concrete (Class A, 21MPa, max agg. 38mm) | m3 | 1.13 | 2.6% | 80.1% | 17.4% | 56.7% | 43.3% | 1,620.00 | 46.89 | 1,465.71 | 318.20 | 1,038.11 | 792.49 | 1,830.60 | Loss 2.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 1.11 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 44.32 | 0.56 | 240.39 | 128.83 | 158.44 | 285.27 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 1.11 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 3.49 | 0.36 | 0.83 | 0.65 | 4.87 | | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 17.00 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 2,257.61 | 1,520.52 | 29.87 | 111.12 | 3,696.88 | 3,808.00 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 189.90 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 671.97 | 3,407.23 | 345.47 | 2,389.10 | 2,035.57 | 4,424.67 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 81.90 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 290.20 | 1,562.41 | 153.94 | 1,093.17 | 913.38 | 2,006.55 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | 3,314.27 | 7,956.79 | 1,888.70 | 4,760.98 | 7,998.78 | 12,359.76 | | |
| Components (%) | | | | | | | | | 26.8% | 64.4% | 8.8% | 38.5% | 61.5% | 100.0% | | |
| Unit Rate | | | m | | | | | | 332.51 | 798.27 | 109.22 | 477.65 | 762.36 | 1,240.00 | | |

401(i)b Concrete Railing Type B (Concrete Wall Type)

Unit: 180.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|----------|---------------|-------|--------|-------|-------|------------|----------------|-----------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0203 | Concrete (Class A, 21MPa, max agg. 38mm) | m3 | 44.27 | 2.6% | 80.1% | 17.4% | 56.7% | 43.3% | 1,620.00 | 1,829.09 | 57,422.01 | 12,466.30 | 40,670.09 | 31,047.31 | 71,717.40 | Loss 2.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 43.40 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 1,732.77 | 21.87 | 9,399.16 | 5,037.02 | 6,116.78 | 11,153.80 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 43.40 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 136.35 | 13.91 | 32.45 | 25.50 | 157.21 | 182.71 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 340.90 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 45,271.77 | 30,490.92 | 598.91 | 2,228.27 | 74,133.33 | 76,361.60 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 3,786.50 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 13,398.66 | 67,938.35 | 6,888.44 | 47,637.27 | 40,588.18 | 88,225.45 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | 62,368.84 | 155,887.06 | 29,385.26 | 95,598.15 | 152,042.81 | 247,640.96 | | |
| Components (%) | | | | | | | | | 25.2% | 62.9% | 11.9% | 38.6% | 61.4% | 100.0% | | |
| Unit Rate | | | m | | | | | | 347.65 | 868.69 | 163.75 | 532.73 | 847.27 | 1,380.00 | | |

401(2)a Steel Railing Type A for Angat and Talavera Bridge, and Approach of Pampanga Bridge

Unit: 30.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.48 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 271.68 | 0.00 | 0.00 | 0.00 | 271.68 | 271.68 | |
| L009 | Welder | md | 0.48 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 240.00 | 0.00 | 0.00 | 0.00 | 240.00 | 240.00 | |
| L019 | Skilled Labor | md | 1.44 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 580.32 | 0.00 | 0.00 | 0.00 | 580.32 | 580.32 | |
| L020 | Unskilled Labor | md | 0.96 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 301.44 | 0.00 | 0.00 | 0.00 | 301.44 | 301.44 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 301.50 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 6,090.30 | 0.00 | 4,263.21 | 1,827.09 | 6,090.30 | |
| M02031 | Steel Pipe | kg | 1,342.50 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 23.90 | 0.00 | 32,085.75 | 0.00 | 22,460.03 | 9,625.73 | 32,085.75 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 35.50 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 773.90 | 0.00 | 541.73 | 232.17 | 773.90 | |
| M06003 | Zinc Rich Primer for Steel | kg | 4.02 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 374.00 | 0.00 | 1,503.48 | 0.00 | 977.26 | 526.22 | 1,503.48 | |
| M06011 | Rustproof Lead Paint for Steel | kg | 8.71 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 269.00 | 0.00 | 1,402.39 | 0.00 | 911.55 | 490.84 | 1,402.39 | |
| M06022 | Epoxy Resin Paint for Steel | kg | 4.56 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 496.00 | 0.00 | 2,261.76 | 0.00 | 1,470.14 | 791.62 | 2,261.76 | |
| R0901-025 | Welding Machine 250A | day | 0.48 | 0.0% | 39.8% | 60.2% | 58.6% | 41.4% | 588.00 | 0.00 | 112.33 | 169.91 | 166.35 | 116.89 | 282.24 | |
| R1001-200 | Generator 151-200 kW | day | 0.48 | 0.0% | 47.6% | 52.4% | 59.4% | 40.6% | 5,280.00 | 0.00 | 1,206.37 | 1,328.03 | 1,505.96 | 1,028.44 | 2,534.40 | |
| R0402-010 | Truck Crane, Hydraulic 6-10t | hr | 2.74 | 15.2% | 9.3% | 75.5% | 47.0% | 53.0% | 485.00 | 201.99 | 123.59 | 1,003.32 | 625.13 | 703.77 | 1,328.90 | |
| R0601-003 | Dump Truck, 3.0-6.0 cu-yds (2.3-4.6m ³) | hr | 1.27 | 13.6% | 19.3% | 67.2% | 49.0% | 51.0% | 446.00 | 76.47 | 109.32 | 380.63 | 277.50 | 288.92 | 566.42 | |
| | Miscellaneous | LS | 1.00 | 20.0% | 20.0% | 60.0% | 50.0% | 50.0% | | 3,013.38 | 3,013.38 | 9,040.14 | 7,533.45 | 7,533.45 | 15,066.89 | 30.0% |
| Total | | | | | | | | | | 4,685.28 | 48,682.57 | 11,922.02 | 40,731.31 | 24,558.56 | 85,289.87 | |
| Components (%) | | | | | | | | | | 7.2% | 74.6% | 18.3% | 62.4% | 37.6% | 100.0% | |
| Unit Rate | | | m | | | | | | | 156.44 | 1,625.49 | 398.07 | 1,360.00 | 820.00 | 2,180.00 | |

Miscellaneous covers the costs for fabricator's overhead, facilities, minor tools and materials, falseworks, etc.

401(2)b Steel Railing Type B for Pampanga Main Bridge

Unit: 20.35 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.33 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 186.78 | 0.00 | 0.00 | 0.00 | 186.78 | 186.78 | |
| L009 | Welder | md | 0.33 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 165.00 | 0.00 | 0.00 | 0.00 | 165.00 | 165.00 | |
| L019 | Skilled Labor | md | 0.99 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 394.94 | 0.00 | 0.00 | 0.00 | 394.94 | 394.94 | |
| L020 | Unskilled Labor | md | 0.65 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 204.10 | 0.00 | 0.00 | 0.00 | 204.10 | 204.10 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 1,068.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 21,573.60 | 0.00 | 15,101.52 | 6,472.08 | 21,573.60 | |
| M02031 | Steel Pipe | kg | 312.70 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 23.90 | 0.00 | 7,473.53 | 0.00 | 5,231.47 | 2,242.06 | 7,473.53 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 37.90 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 826.22 | 0.00 | 578.35 | 247.87 | 826.22 | |
| M06003 | Zinc Rich Primer for Steel | kg | 6.78 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 374.00 | 0.00 | 2,535.72 | 0.00 | 1,648.22 | 887.50 | 2,535.72 | |
| M06011 | Rustproof Lead Paint for Steel | kg | 11.30 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 209.00 | 0.00 | 2,361.70 | 0.00 | 1,535.11 | 826.60 | 2,361.70 | |
| M06022 | Epoxy Resin Paint for Steel | kg | 7.68 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 496.00 | 0.00 | 3,809.28 | 0.00 | 2,476.03 | 1,333.25 | 3,809.28 | |
| R0901-025 | Welding Machine 250A | day | 0.33 | 0.0% | 39.8% | 60.2% | 58.6% | 41.4% | 588.00 | 0.00 | 77.23 | 116.81 | 113.68 | 80.36 | 194.04 | |
| R1001-200 | Generator 151-200 kW | day | 0.33 | 0.0% | 47.6% | 52.4% | 59.4% | 40.6% | 5,280.00 | 0.00 | 829.38 | 913.02 | 1,035.35 | 707.05 | 1,742.40 | |
| R0402-010 | Truck Crane, Hydraulic 6-10t | hr | 1.88 | 15.2% | 9.3% | 75.5% | 47.0% | 53.0% | 485.00 | 138.59 | 84.80 | 688.41 | 428.92 | 482.88 | 911.80 | |
| R0601-003 | Dump Truck, 3.0-6.0 cu-yds (2.3-4.6m ³) | hr | 1.07 | 13.5% | 19.3% | 67.2% | 49.0% | 51.0% | 446.00 | 64.42 | 92.10 | 320.69 | 233.80 | 243.42 | 477.22 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12,856.90 | 30.0% |
| Total | | | | | | | | | | 1,153.84 | 39,663.56 | 2,038.93 | 28,382.44 | 14,473.89 | 55,713.23 | |
| Components (%) | | | | | | | | | | 2.1% | 71.2% | 3.7% | 50.9% | 26.0% | 100.0% | |
| Unit Rate | | | m | | | | | | | 56.75 | 1,950.67 | 100.28 | 1,395.86 | 711.83 | 2,740.00 | |

Miscellaneous covers the costs for fabricator's overhead, facilities, minor tools and materials, falseworks, etc.

SPL 401(3)a Bridge Name Plats, 1000 x 600 mm for Angat Bridge

Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|----------------------|----------------|----------|---------------|--------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.43 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 243.38 | 0.00 | 0.00 | 0.00 | 243.38 | 243.38 | |
| L019 | Skilled Labor | md | 1.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 644.80 | 0.00 | 0.00 | 0.00 | 644.80 | 644.80 | |
| L020 | Unskilled Labor | md | 1.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 502.40 | 0.00 | 0.00 | 0.00 | 502.40 | 502.40 | |
| M02501 | Brass Plate | kg | 1,068.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 228.00 | 0.00 | 243,504.00 | 0.00 | 170,452.80 | 73,051.20 | 243,504.00 | |
| M0225 | Grout (non-shrink) | m ³ | 0.09 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 2.71 | 265.21 | 7.68 | 168.65 | 106.75 | 275.40 | |
| R0602-002 | Cargo truck 2.0-5.0t | hr | 2.09 | 14.4% | 13.7% | 71.9% | 48.0% | 52.0% | 570.00 | 171.55 | 163.21 | 856.54 | 571.46 | 619.84 | 1,191.30 | |
| | Miscellaneous | LS | 1.00 | 20.0% | 40.0% | 40.0% | 50.0% | 50.0% | | 14,781.68 | 29,563.35 | 29,563.35 | 36,954.19 | 36,954.19 | 73,908.38 | 30.0% |
| Total | | | | | | | | | | 16,348.51 | 273,495.57 | 30,427.58 | 208,147.11 | 112,122.56 | 320,269.66 | |
| Components (%) | | | | | | | | | | 5.1% | 85.4% | 9.8% | 65.0% | 35.0% | 100.0% | |
| Unit Rate | | | each | | | | | | | 1,633.28 | 27,326.53 | 3,040.20 | 20,797.18 | 11,202.82 | 32,000.00 | |

Miscellaneous covers the cost for overhead of fabricators, anchors, fixtures, carving, chipping, cleaning, minor tools, etc.

Plate Size = 1,000 x 600 x 20 mm
Unit Weight = 8,900 kg/m³

SPL 401(3)b Bridge Name Plate, 1000 x 600 mm for Pampanga Bridge

Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------------|----------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|------------|------------|------------|------------|------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| L002 | Foreman | md | 0.43 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 243.38 | 0.00 | 0.00 | 0.00 | 243.38 | 243.38 | |
| L019 | Skilled Labor | md | 1.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 644.80 | 0.00 | 0.00 | 0.00 | 644.80 | 644.80 | |
| L020 | Unskilled Labor | md | 1.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 502.40 | 0.00 | 0.00 | 0.00 | 502.40 | 502.40 | |
| W02501 | Brass Plate | kg | 1,068.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 228.00 | 0.00 | 243,504.00 | 0.00 | 170,452.80 | 73,051.20 | 243,504.00 | |
| W0225 | Grout (non-shrink) | m3 | 0.09 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 2.71 | 265.01 | 7.68 | 168.65 | 106.75 | 275.40 | |
| R0602-002 | Cargo truck 2.0-5.0t | hr | 2.09 | 14.4% | 13.7% | 71.9% | 48.0% | 52.0% | 570.00 | 171.55 | 163.21 | 856.54 | 571.46 | 619.84 | 1,191.30 | |
| | Miscellaneous | LS | 1.00 | 20.0% | 40.0% | 40.0% | 50.0% | 50.0% | | 14,781.68 | 29,563.35 | 29,563.35 | 36,954.19 | 36,954.19 | 73,908.38 | 30.0% |
| Total | | | | | | | | | 16,346.51 | 273,495.57 | 30,427.58 | 208,147.11 | 112,122.56 | 320,269.66 | | |
| Components (%) | | | | | | | | | 5.1% | 85.4% | 9.5% | 65.0% | 35.0% | 100.0% | | |
| Unit Rate | | | each | | | | | | 1,633.28 | 27,326.53 | 3,040.20 | 20,797.18 | 11,202.82 | 32,000.00 | | |

Miscellaneous covers the cost for overhead of fabricators, anchors, fixtures, carving, chipping, cleaning, minor tools, etc.

Plate Size = 1,000 x 600 x 20 mm
Unit Weight = 8,900 kg/m3

SPL 401(3)c Bridge Name Plate, 1000 x 600 mm for Talavera Bridge

Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------------|----------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|------------|------------|------------|------------|------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| L002 | Foreman | md | 0.43 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 243.38 | 0.00 | 0.00 | 0.00 | 243.38 | 243.38 | |
| L019 | Skilled Labor | md | 1.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 644.80 | 0.00 | 0.00 | 0.00 | 644.80 | 644.80 | |
| L020 | Unskilled Labor | md | 1.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 502.40 | 0.00 | 0.00 | 0.00 | 502.40 | 502.40 | |
| W02501 | Brass Plate | kg | 1,068.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 228.00 | 0.00 | 243,504.00 | 0.00 | 170,452.80 | 73,051.20 | 243,504.00 | |
| W0225 | Grout (non-shrink) | m3 | 0.09 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 2.71 | 265.01 | 7.68 | 168.65 | 106.75 | 275.40 | |
| R0602-002 | Cargo truck 2.0-5.0t | hr | 2.09 | 14.4% | 13.7% | 71.9% | 48.0% | 52.0% | 570.00 | 171.55 | 163.21 | 856.54 | 571.46 | 619.84 | 1,191.30 | |
| | Miscellaneous | LS | 1.00 | 20.0% | 40.0% | 40.0% | 50.0% | 50.0% | | 14,781.68 | 29,563.35 | 29,563.35 | 36,954.19 | 36,954.19 | 73,908.38 | 30.0% |
| Total | | | | | | | | | 16,346.51 | 273,495.57 | 30,427.58 | 208,147.11 | 112,122.56 | 320,269.66 | | |
| Components (%) | | | | | | | | | 5.1% | 85.4% | 9.5% | 65.0% | 35.0% | 100.0% | | |
| Unit Rate | | | each | | | | | | 1,633.28 | 27,326.53 | 3,040.20 | 20,797.18 | 11,202.82 | 32,000.00 | | |

Miscellaneous covers the cost for overhead of fabricators, anchors, fixtures, carving, chipping, cleaning, minor tools, etc.

Plate Size = 1,000 x 600 x 20 mm
Unit Weight = 8,900 kg/m3

SPL 401(3)d Bridge Name Plate, 1000 x 600 mm for Interchange Ramp

Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------------|----------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|------------|------------|------------|------------|------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| L002 | Foreman | md | 0.43 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 243.38 | 0.00 | 0.00 | 0.00 | 243.38 | 243.38 | |
| L019 | Skilled Labor | md | 1.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 644.80 | 0.00 | 0.00 | 0.00 | 644.80 | 644.80 | |
| L020 | Unskilled Labor | md | 1.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 502.40 | 0.00 | 0.00 | 0.00 | 502.40 | 502.40 | |
| W02501 | Brass Plate | kg | 1,068.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 228.00 | 0.00 | 243,504.00 | 0.00 | 170,452.80 | 73,051.20 | 243,504.00 | |
| W0225 | Grout (non-shrink) | m3 | 0.09 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 2.71 | 265.01 | 7.68 | 168.65 | 106.75 | 275.40 | |
| R0602-002 | Cargo truck 2.0-5.0t | hr | 2.09 | 14.4% | 13.7% | 71.9% | 48.0% | 52.0% | 570.00 | 171.55 | 163.21 | 856.54 | 571.46 | 619.84 | 1,191.30 | |
| | Miscellaneous | LS | 1.00 | 20.0% | 40.0% | 40.0% | 50.0% | 50.0% | | 14,781.68 | 29,563.35 | 29,563.35 | 36,954.19 | 36,954.19 | 73,908.38 | 30.0% |
| Total | | | | | | | | | 16,346.51 | 273,495.57 | 30,427.58 | 208,147.11 | 112,122.56 | 320,269.66 | | |
| Components (%) | | | | | | | | | 5.1% | 85.4% | 9.5% | 65.0% | 35.0% | 100.0% | | |
| Unit Rate | | | each | | | | | | 1,633.28 | 27,326.53 | 3,040.20 | 20,797.18 | 11,202.82 | 32,000.00 | | |

Miscellaneous covers the cost for overhead of fabricators, anchors, fixtures, carving, chipping, cleaning, minor tools, etc.

Plate Size = 1,000 x 600 x 20 mm
Unit Weight = 8,900 kg/m3

403(3) Structural Steel for Pampanga River Bridge, furnished and fabricated

Unit: 1,707,860.00 kg

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|-----------------------------------|------|--------------|---------------|--------|--------|-------|--------|----------|--------------|---------------|----------------|---------------|---------------|----------------|------------|---------|
| | | | | Component (%) | | | | | Labor | | Material | Component (PP) | | | Total (PP) | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | | | Equipment | Foreign | Local | | | |
| L002 | Foreman | md | 320.47 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 181,386.02 | 0.00 | 0.00 | 0.00 | 181,386.02 | | | |
| L009 | Welder | md | 1,281.90 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 640,950.00 | 0.00 | 0.00 | 0.00 | 640,950.00 | | | |
| L010 | Painter | md | 0.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 440.00 | 0.00 | 0.00 | 0.00 | 0.00 | 440.00 | | | |
| L019 | Skilled Labor | md | 1,922.85 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 774,908.55 | 0.00 | 0.00 | 0.00 | 774,908.55 | | | |
| M02017 | Structural Steel (Plates SMA490W) | kg | 1,844,488.80 | 0.0% | 100.0% | 0.0% | 75.0% | 25.0% | 45.00 | 0.00 | 83,001,996.00 | 0.00 | 62,251,497.00 | 20,750,499.00 | 83,001,996.00 | Loss 8.0% | |
| M02072 | High Tension Bolt M20 | each | 85,400.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 29.20 | 0.00 | 2,493,680.00 | 0.00 | 1,745,576.00 | 748,104.00 | 2,493,680.00 | | |
| M06001 | Etching Primer for Steel | kg | 0.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 274.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Loss 3.0% | |
| M06011 | Rustproof Lead Paint for Steel | kg | 0.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 209.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Loss 3.0% | |
| M06011 | Rustproof Lead Paint for Steel | kg | 0.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 209.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Loss 3.0% | |
| R0901-050 | Welding Machine 500A | day | 1,281.90 | 0.0% | 60.4% | 39.6% | 60.6% | 39.4% | 1,470.00 | 0.00 | 1,138,173.37 | 746,219.63 | 1,142,632.84 | 741,760.16 | 1,884,393.00 | | |
| R0402-080 | Truck Crane, Hydraulic 71-80t | hr | 100.46 | 2.4% | 4.2% | 93.4% | 53.5% | 46.5% | 3,080.00 | 7,426.00 | 12,995.51 | 288,995.29 | 165,548.11 | 143,868.69 | 309,416.80 | | |
| R0604-020 | Trailer 20t | hr | 904.16 | 3.8% | 10.7% | 85.5% | 53.3% | 46.7% | 1,670.00 | 57,377.99 | 161,564.35 | 1,291,004.88 | 804,895.47 | 705,051.73 | 1,509,947.20 | | |
| | Miscellaneous | LS | 1.00 | 5.0% | 30.0% | 65.0% | 50.0% | 60.0% | | 1,815,933.55 | 10,895,601.31 | 23,607,136.17 | 18,159,335.51 | 18,159,335.51 | 36,318,671.03 | 40.0% | |
| | Total | | | | | | | | | 3,477,982.12 | 97,704,010.54 | 25,933,355.94 | 84,269,494.93 | 42,845,863.67 | 127,115,348.60 | | |
| | Components (%) | | | | | | | | | 2.7% | 76.9% | 20.4% | 66.3% | 33.7% | 100.0% | | |
| | Unit Rate | kg | | | | | | | | 2.04 | 57.19 | 15.18 | 49.32 | 25.08 | 74.40 | | |

Miscellaneous covers the cost for overhead & facilities of fabricators, electricity and fuel consumption, welding rods, acetylene gas, etc.
 Total Steel Weight = 1,707.86 t Haulage time = 2 x L/V + a = 9.00 hr/trip
 Welding Length = 3.19 m/t a : Loading Time = 1.00 hr
 y = α · (0.013 · L + 6.0), (9 ≤ y ≤ 17) L : Haulage Distance = 100.00 km
 y : Daily Welding Capacity V : Traveling Speed = 25.00 km/hr
 L : Welding Length
 α : Coefficient
 Paint Area = 8.54 m²/t
 Primer = 0.130 kg/m²
 Rustproof-1 = 0.170 kg/m²
 Rustproof-2 = 0.170 kg/m²

403(5) Structural Steel for Pampanga River Bridge, erected

Unit: 1,707,860.00 kg

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|--|----------------|-----------|---------------|-------|--------|-------|-------|-----------|--------------|---------------|----------------|---------------|--------------|---------------|------------|---------|
| | | | | Component (%) | | | | | Labor | | Material | Component (PP) | | | Total (PP) | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | | | Equipment | Foreign | Local | | | |
| W0501 | Ground Assembly of Structural Steel Bridge Members | t | 1,196.00 | 11.4% | 3.1% | 85.5% | 48.2% | 51.8% | 1,260.00 | 172,385.97 | 46,266.68 | 1,288,307.35 | 727,029.21 | 779,930.79 | 1,506,960.00 | | |
| W0502 | Erection of Structural Steel Bridge Members | t | 1,707.90 | 10.8% | 4.8% | 84.4% | 48.4% | 51.6% | 1,290.00 | 238,489.81 | 105,709.18 | 1,858,992.01 | 1,065,693.53 | 1,137,497.47 | 2,203,191.00 | | |
| W0503 | Bolting of Structural Steel Bridge Members | each | 27,326.00 | 4.4% | 93.3% | 2.3% | 66.1% | 33.9% | 43.60 | 52,914.12 | 1,111,005.32 | 27,494.16 | 787,784.92 | 403,628.68 | 1,191,413.60 | | |
| W0504 | Finish Painting of Structural Steel Bridge Members | m ² | 0.00 | 42.1% | 48.8% | 9.1% | 36.3% | 63.7% | 132.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| W0505 | Temporary Bent for Steel Bridge Erection | t | 556.70 | 4.5% | 91.3% | 4.2% | 48.3% | 51.7% | 16,000.00 | 401,678.93 | 8,128,507.81 | 377,013.26 | 4,303,270.47 | 4,603,929.53 | 8,907,200.00 | | |
| W0506 | Site Welding for Steel Bridge | m | 446.50 | 23.4% | 34.6% | 42.0% | 44.5% | 55.5% | 3,120.00 | 325,635.25 | 481,997.47 | 685,447.28 | 619,321.12 | 773,758.88 | 1,393,080.00 | | |
| | Miscellaneous | LS | 1.00 | 0.0% | 35.0% | 65.0% | 55.0% | 45.0% | | 0.00 | 1,596,193.68 | 2,964,359.70 | 2,608,304.36 | 2,052,249.02 | 4,560,553.38 | 30.0% | |
| | Total | | | | | | | | | 1,191,104.09 | 11,469,680.13 | 7,101,613.76 | 10,011,403.59 | 9,750,994.39 | 19,762,397.98 | | |
| | Components (%) | | | | | | | | | 5.0% | 58.0% | 35.9% | 50.7% | 49.3% | 100.0% | | |
| | Unit Rate | kg | | | | | | | | 0.70 | 6.73 | 4.17 | 5.88 | 5.72 | 11.60 | | |

Miscellaneous covers the cost for temporary scaffolding, supports, safety measures, etc.

403(8)a Bearing Shoe for Steel Plate Girder Type 1 (Max. R=250t) in Pampanga Bridge

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|---|----------------|----------|---------------|--------|--------|-------|--------|------------|------------|------------|----------------|------------|-----------|------------|------------|---------|
| | | | | Component (%) | | | | | Labor | | Material | Component (PP) | | | Total (PP) | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | | | Equipment | Foreign | Local | | | |
| L002 | Foreman | md | 0.41 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 232.06 | 0.00 | 0.00 | 0.00 | 232.06 | 232.06 | | |
| L019 | Skilled Labor | md | 1.64 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 660.92 | 0.00 | 0.00 | 0.00 | 660.92 | 660.92 | | |
| L020 | Unskilled Labor | md | 0.41 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 128.74 | 0.00 | 0.00 | 0.00 | 128.74 | 128.74 | | |
| M09104 | Bearing Shoe (rubber enclosed type), 250t | each | 1.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 291,000.00 | 0.00 | 291,000.00 | 0.00 | 203,700.00 | 87,300.00 | 291,000.00 | | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 1.17 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 85.59 | 105.81 | 1,364.70 | 808.57 | 747.53 | 1,556.10 | | |
| W0225 | Grout (non-shrink) | m ³ | 0.06 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 1.81 | 176.67 | 5.12 | 112.43 | 71.17 | 183.60 | Loss 3.0% | |
| | Miscellaneous | LS | 1.00 | 0.0% | 50.0% | 50.0% | 55.0% | 45.0% | | 0.00 | 2,937.61 | 2,937.61 | 3,231.38 | 2,643.85 | 5,875.23 | 2.0% | |
| | Total | | | | | | | | | 1,109.11 | 294,220.10 | 4,307.43 | 207,852.38 | 91,784.27 | 299,636.65 | | |
| | Components (%) | | | | | | | | | 0.4% | 98.2% | 1.4% | 69.4% | 30.6% | 100.0% | | |
| | Unit Rate | each | | | | | | | | 1,110.46 | 294,576.88 | 4,312.66 | 208,104.43 | 91,895.57 | 300,000.00 | | |

Miscellaneous covers the costs for depreciation of temporary supports, minor tools, generator, etc.
 v = N / [0.2 · a · (N+8)] N: Total number of shoes = 22
 y : Work capacity = 2.44 each/day a : Coefficient = 1.50

403(8)b Bearing Shoe for Steel Plate Girder Type 2 (Max. R=650t) in Pampanga Bridge

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|--------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.41 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 232.06 | 0.00 | 0.00 | 0.00 | 232.06 | 232.06 | |
| L019 | Skilled Labor | md | 1.64 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 660.92 | 0.00 | 0.00 | 0.00 | 660.92 | 660.92 | |
| L020 | Unskilled Labor | md | 0.41 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 128.74 | 0.00 | 0.00 | 0.00 | 128.74 | 128.74 | |
| M09106 | Bearing Shoe (rubber enclosed type), 650t | each | 1.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 764,000.00 | 0.00 | 764,000.00 | 0.00 | 534,800.00 | 229,200.00 | 764,000.00 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 1.17 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 85.59 | 105.81 | 1,364.70 | 808.57 | 747.53 | 1,556.10 | |
| W0225 | Grout (non-shrink) | m3 | 0.07 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 2.11 | 206.12 | 5.97 | 131.17 | 83.03 | 214.20 | Loss 3.0% |
| | Miscellaneous | LS | 1.00 | 0.0% | 50.0% | 50.0% | 55.0% | 45.0% | | 0.00 | 7,667.92 | 7,667.92 | 8,434.71 | 6,901.13 | 15,335.84 | 2.0% |
| Total | | | | | | | | | | 1,109.41 | 771,979.85 | 9,038.59 | 544,174.46 | 237,953.40 | 782,127.86 | |
| Components (%) | | | | | | | | | | 0.1% | 98.7% | 1.2% | 69.6% | 30.4% | 100.0% | |
| Unit Rate | | | each | | | | | | | 1,109.23 | 771,853.65 | 9,037.12 | 544,085.50 | 237,914.50 | 782,000.00 | |

Miscellaneous covers the costs for depreciation of temporary supports, minor tools, generator, etc.
 $v = N/[02 \cdot a \cdot (N+8)]$ N: Total number of shoes 22
 v : Work capacity = 2.44 each/day a: Coefficient 1.50

403(8)c Bearing Shoe for Steel Plate Girder Type 3 (Max. R=650t) in Pampanga Bridge

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|----------|---------------|--------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.41 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 232.06 | 0.00 | 0.00 | 0.00 | 232.06 | 232.06 | |
| L019 | Skilled Labor | md | 1.64 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 660.92 | 0.00 | 0.00 | 0.00 | 660.92 | 660.92 | |
| L020 | Unskilled Labor | md | 0.41 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 128.74 | 0.00 | 0.00 | 0.00 | 128.74 | 128.74 | |
| M09108 | Bearing Shoe (rubber enclosed type), 650t | each | 1.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 764,000.00 | 0.00 | 764,000.00 | 0.00 | 534,800.00 | 229,200.00 | 764,000.00 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 1.17 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 85.59 | 105.81 | 1,364.70 | 808.57 | 747.53 | 1,556.10 | |
| W0225 | Grout (non-shrink) | m3 | 0.07 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 2.11 | 206.12 | 5.97 | 131.17 | 83.03 | 214.20 | Loss 3.0% |
| | Miscellaneous | LS | 1.00 | 0.0% | 50.0% | 50.0% | 55.0% | 45.0% | | 0.00 | 7,667.92 | 7,667.92 | 8,434.71 | 6,901.13 | 15,335.84 | 2.0% |
| Total | | | | | | | | | | 1,109.41 | 771,979.85 | 9,038.59 | 544,174.46 | 237,953.40 | 782,127.86 | |
| Components (%) | | | | | | | | | | 0.1% | 98.7% | 1.2% | 69.6% | 30.4% | 100.0% | |
| Unit Rate | | | each | | | | | | | 1,109.23 | 771,853.65 | 9,037.12 | 544,085.50 | 237,914.50 | 782,000.00 | |

Miscellaneous covers the costs for depreciation of temporary supports, minor tools, generator, etc.
 $v = N/[02 \cdot a \cdot (N+8)]$ N: Total number of shoes 22
 v : Work capacity = 2.44 each/day a: Coefficient 1.50

SPL 403(9) Steel Grating for Sunlight Opening in Underpasses

Unit: 10.00 m2

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.57 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 322.62 | 0.00 | 0.00 | 0.00 | 322.62 | 322.62 | |
| L009 | Welder | md | 1.91 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 955.00 | 0.00 | 0.00 | 0.00 | 955.00 | 955.00 | |
| L019 | Skilled Labor | md | 1.91 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 769.73 | 0.00 | 0.00 | 0.00 | 769.73 | 769.73 | |
| L020 | Unskilled Labor | md | 0.95 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 298.30 | 0.00 | 0.00 | 0.00 | 298.30 | 298.30 | |
| M02012 | Structural Steel (Flat Bar, SS400) | kg | 1,284.43 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 22.70 | 0.00 | 29,156.56 | 0.00 | 20,409.59 | 8,746.97 | 29,156.56 | Loss 7.0% |
| M02014 | Structural Steel (Shapes, SS400) | kg | 623.06 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 17.60 | 0.00 | 10,965.86 | 0.00 | 7,676.10 | 3,289.76 | 10,965.86 | Loss 7.0% |
| R0901-025 | Welding Machine 250A | day | 1.91 | 0.0% | 39.8% | 60.2% | 58.6% | 41.4% | 588.00 | 0.00 | 446.99 | 676.09 | 657.96 | 465.12 | 1,123.08 | |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 0.10 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 6.98 | 8.63 | 111.25 | 65.91 | 60.94 | 126.85 | |
| R0601-006 | Dump Truck, 6.0-9.0 cu-yds (4.6-6.9m3) | hr | 1.58 | 10.0% | 17.9% | 72.1% | 50.8% | 49.2% | 603.00 | 95.27 | 170.54 | 686.91 | 483.78 | 468.96 | 952.74 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 35.0% | 55.0% | 50.0% | 50.0% | | 1,340.12 | 4,690.43 | 7,370.67 | 6,700.61 | 6,700.61 | 13,401.22 | 30.0% |
| Total | | | | | | | | | | 3,788.02 | 45,439.00 | 8,844.94 | 35,993.97 | 22,078.00 | 58,071.96 | |
| Components (%) | | | | | | | | | | 6.5% | 78.2% | 15.2% | 62.0% | 38.0% | 100.0% | |
| Unit Rate | | | m2 | | | | | | | 378.99 | 4,546.09 | 884.92 | 3,601.13 | 2,208.87 | 5,810.00 | |

Miscellaneous covers the cost for fabricator's overhead & facilities, painting or galvanizing, etc.

404(1) Reinforcement Steel Grade 40

Unit: 1,000.00 kg

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|-----------|-------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|-----------------|------------------|-----------------|------------------|------------------|------------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| L002 | Foreman | md | 0.70 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 396.20 | 0.00 | 0.00 | 0.00 | 396.20 | 396.20 | |
| L006 | Re-Bar Worker | md | 4.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 1,853.80 | 0.00 | 0.00 | 0.00 | 1,853.80 | 1,853.80 | |
| L019 | Skilled Labor | md | 0.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 241.80 | 0.00 | 0.00 | 0.00 | 241.80 | 241.80 | |
| L020 | Unskilled Labor | md | 3.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,004.80 | 0.00 | 0.00 | 0.00 | 1,004.80 | 1,004.80 | |
| M02001 | Reinforcing Bars, Grade 40 | kg | 1,070.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 16.00 | 0.00 | 17,120.00 | 0.00 | 11,128.00 | 5,992.00 | 17,120.00 | Loss 7.0% |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 0.57 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 41.70 | 51.55 | 664.85 | 393.92 | 364.18 | 758.10 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 40.0% | 60.0% | 55.0% | 45.0% | | 0.00 | 769.49 | 1,154.23 | 1,058.05 | 865.68 | 1,923.72 | 9.0% |
| | Total | | | | | | | | | 3,538.30 | 17,941.04 | 1,819.09 | 12,579.97 | 10,718.45 | 23,298.42 | |
| | Components (%) | | | | | | | | | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 100.0% | |
| | Unit Rate | kg | | | | | | | | 3.54 | 17.94 | 1.82 | 12.58 | 10.72 | 23.30 | |

Miscellaneous covers the cost for bar cutter, bar bender, binding wire, spacer, etc.

404(2) Reinforcement Steel Grade 60

Unit: 1,000.00 kg

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|-----------|-------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|-----------------|------------------|-----------------|------------------|------------------|------------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| L002 | Foreman | md | 0.70 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 396.20 | 0.00 | 0.00 | 0.00 | 396.20 | 396.20 | |
| L006 | Re-Bar Worker | md | 4.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 1,853.80 | 0.00 | 0.00 | 0.00 | 1,853.80 | 1,853.80 | |
| L019 | Skilled Labor | md | 0.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 241.80 | 0.00 | 0.00 | 0.00 | 241.80 | 241.80 | |
| L020 | Unskilled Labor | md | 3.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,004.80 | 0.00 | 0.00 | 0.00 | 1,004.80 | 1,004.80 | |
| M02002 | Reinforcing Bars, Grade 60 | kg | 1,070.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 17.00 | 0.00 | 18,190.00 | 0.00 | 11,823.50 | 6,366.50 | 18,190.00 | Loss 7.0% |
| R0402-025 | Truck Crane, Hydraulic 21-25t | hr | 0.57 | 5.5% | 6.8% | 87.7% | 52.0% | 48.0% | 1,330.00 | 41.70 | 51.55 | 664.85 | 393.92 | 364.18 | 758.10 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 40.0% | 60.0% | 55.0% | 45.0% | | 0.00 | 808.01 | 1,212.01 | 1,111.01 | 909.01 | 2,020.02 | 9.0% |
| | Total | | | | | | | | | 3,538.30 | 19,049.56 | 1,876.87 | 13,328.43 | 11,136.29 | 24,464.72 | |
| | Components (%) | | | | | | | | | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 100.0% | |
| | Unit Rate | kg | | | | | | | | 3.54 | 19.08 | 1.88 | 13.35 | 11.15 | 24.50 | |

Miscellaneous covers the cost for bar cutter, bar bender, binding wire, spacer, etc.

405(1)a Structural Concrete Class A (fc'=21MPa, max. aggregate 38mm) for heavily reinforced structures

Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------|--|------|----------|---------------|-------|--------|-------|-------|------------|-----------------|------------------|-----------------|------------------|------------------|------------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| W0203 | Concrete (Class A, 21MPa, max agg. 38mm) | m3 | 10.20 | 2.6% | 80.1% | 17.4% | 56.7% | 43.3% | 1,620.00 | 421.43 | 13,230.28 | 2,872.29 | 9,370.56 | 7,153.44 | 16,524.00 | Loss 2.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 10.00 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 399.26 | 5.04 | 2,165.70 | 1,160.60 | 1,409.40 | 2,570.00 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 10.00 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 31.42 | 3.20 | 7.48 | 5.88 | 36.22 | 42.10 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 49.20 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 6,533.80 | 4,400.57 | 86.44 | 321.59 | 10,699.21 | 11,020.80 | |
| W0441 | Temporary Frame Support Installation & Removal | m3 | 20.00 | 58.9% | 3.9% | 37.1% | 22.5% | 77.5% | 52.50 | 618.97 | 41.16 | 389.87 | 236.32 | 813.68 | 1,050.00 | |
| W0442 | Temporary Frame Support Depreciation | m3-d | 560.00 | 0.0% | 96.3% | 3.7% | 50.0% | 50.0% | 0.76 | 0.00 | 410.92 | 15.80 | 213.35 | 213.36 | 426.72 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 8,004.87 | 18,091.17 | 5,537.58 | 11,308.32 | 20,325.30 | 31,633.62 | |
| | Components (%) | | | | | | | | | 25.3% | 57.2% | 17.5% | 35.7% | 64.3% | 100.0% | |
| | Unit Rate | m3 | | | | | | | | 799.64 | 1,807.19 | 553.17 | 1,129.63 | 2,030.37 | 3,160.00 | |

Depreciation period for temporary support = 28 days

405(1)b Structural Concrete Class A (fc'=21MPa, max. aggregate 38mm) for small & medium bridges substructures

Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------|--|------|----------|---------------|-------|--------|-------|-------|------------|-----------------|------------------|-----------------|------------------|------------------|------------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| W0203 | Concrete (Class A, 21MPa, max agg. 38mm) | m3 | 10.20 | 2.6% | 80.1% | 17.4% | 56.7% | 43.3% | 1,620.00 | 421.43 | 13,230.28 | 2,872.29 | 9,370.56 | 7,153.44 | 16,524.00 | Loss 2.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 10.00 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 399.26 | 5.04 | 2,165.70 | 1,160.60 | 1,409.40 | 2,570.00 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 10.00 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 31.42 | 3.20 | 7.48 | 5.88 | 36.22 | 42.10 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 14.90 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 1,978.73 | 1,332.69 | 26.18 | 97.39 | 3,240.21 | 3,337.60 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 2,830.84 | 14,571.22 | 5,071.65 | 10,634.44 | 11,839.26 | 22,473.70 | |
| | Components (%) | | | | | | | | | 12.6% | 64.8% | 22.6% | 47.3% | 100.0% | | |
| | Unit Rate | m3 | | | | | | | | 283.41 | 1,458.83 | 507.76 | 1,064.69 | 1,185.31 | 2,250.00 | |

405(t)c Structural Concrete Class A1 (fc'=21MPa, max. aggregate 20mm) for small & medium bridges RCDG superstructures

Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------|--|------|----------|---------------|-------|--------|-------|-------|------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| W0203a | Concrete (Class A1, 21MPa, max agg. 20mm) | m3 | 10.20 | 2.4% | 81.3% | 16.3% | 56.9% | 43.1% | 1,690.00 | 416.63 | 14,007.21 | 2,814.16 | 9,803.41 | 7,434.59 | 17,238.00 | Loss 2.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 10.00 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 399.26 | 5.04 | 2,165.70 | 1,160.60 | 1,409.40 | 2,570.00 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 10.00 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 31.42 | 3.20 | 7.48 | 5.88 | 36.22 | 42.10 | |
| W0441 | Temporary Frame Support Installation & Removal | m3 | 102.30 | 58.9% | 3.9% | 37.1% | 22.5% | 77.5% | 52.50 | 3,166.04 | 210.52 | 1,994.19 | 1,208.78 | 4,161.97 | 5,370.75 | |
| W0442 | Temporary Frame Support Depreciation | m3-d | 6,138.00 | 0.0% | 96.3% | 3.7% | 50.0% | 50.0% | 0.76 | 0.00 | 4,503.93 | 173.23 | 2,338.58 | 2,338.58 | 4,677.16 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 50.10 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 6,653.32 | 4,481.07 | 88.02 | 327.48 | 10,894.92 | 11,222.40 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 10,666.66 | 23,210.98 | 7,242.77 | 14,844.72 | 26,275.69 | 41,120.41 | |
| | Components (%) | | | | | | | | | 25.9% | 56.4% | 17.6% | 36.1% | 63.9% | 100.0% | |
| | Unit Rate | m3 | | | | | | | | 1,066.14 | 2,319.95 | 723.92 | 1,483.74 | 2,626.26 | 4,110.00 | |

Depreciation period for temporary support = 60 days

405(i)d Structural Concrete Class A1 (fc'=21MPa, max. aggregate 20mm) for small & medium bridges PCDG superstructures

Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------|--|------|----------|---------------|--------|--------|-------|-------|------------|-----------------|------------------|-----------------|------------------|------------------|------------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| W0203a | Concrete (Class A1, 21MPa, max agg. 20mm) | m3 | 10.20 | 2.4% | 81.3% | 16.3% | 56.9% | 43.1% | 1,690.00 | 416.63 | 14,007.21 | 2,814.16 | 9,803.41 | 7,434.59 | 17,238.00 | Loss 2.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 10.00 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 399.26 | 5.04 | 2,165.70 | 1,160.60 | 1,409.40 | 2,570.00 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 10.00 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 31.42 | 3.20 | 7.48 | 5.88 | 36.22 | 42.10 | |
| W0411 | Temporary Struts & Supports Installation | t | 2.60 | 33.7% | 9.5% | 55.9% | 36.9% | 63.1% | 1,390.00 | 1,218.94 | 341.99 | 2,056.07 | 1,332.88 | 2,281.12 | 3,614.00 | |
| W0412 | Temporary Struts & Supports Removal | t | 2.60 | 35.3% | 9.1% | 55.5% | 35.7% | 64.3% | 827.00 | 759.53 | 196.26 | 1,194.41 | 768.44 | 1,381.76 | 2,150.20 | |
| W05041 | Temporary Steel Shapes Depreciation | t-d | 156.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 31.30 | 0.00 | 4,882.80 | 0.00 | 2,441.40 | 2,441.40 | 4,882.80 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 42.60 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 5,657.31 | 3,810.25 | 74.84 | 278.45 | 9,263.95 | 9,542.40 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 8,481.09 | 23,246.75 | 8,311.66 | 15,791.06 | 24,248.44 | 40,039.50 | |
| | Components (%) | | | | | | | | | 21.2% | 58.1% | 20.8% | 39.4% | 60.6% | 100.0% | |
| | Unit Rate | m3 | | | | | | | | 847.27 | 2,322.38 | 830.35 | 1,577.55 | 2,422.45 | 4,000.00 | |

Depreciation period for temporary support = 60 days

405(i)a Structural Concrete Class AA1 (fc'=28MPa, max. aggregate 25) for long bridge substructures

Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------|--|------|----------|---------------|-------|--------|-------|-------|------------|-----------------|------------------|-----------------|------------------|------------------|------------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| W0205 | Concrete (Class AA1, 28MPa, max agg. 25mm) | m3 | 10.20 | 2.3% | 81.7% | 15.9% | 57.7% | 42.3% | 1,770.00 | 420.08 | 14,759.06 | 2,874.86 | 10,410.02 | 7,643.98 | 18,054.00 | Loss 2.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 10.00 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 399.26 | 5.04 | 2,165.70 | 1,160.60 | 1,409.40 | 2,570.00 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 10.00 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 31.42 | 3.20 | 7.48 | 5.88 | 36.22 | 42.10 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 13.10 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 1,739.69 | 1,171.70 | 23.01 | 85.63 | 2,848.77 | 2,934.40 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 2,590.45 | 15,939.00 | 5,071.05 | 11,652.12 | 11,938.38 | 23,609.50 | |
| | Components (%) | | | | | | | | | 11.0% | 67.6% | 21.5% | 49.4% | 50.6% | 100.0% | |
| | Unit Rate | m3 | | | | | | | | 259.04 | 1,593.87 | 507.09 | 1,166.19 | 1,193.81 | 2,360.00 | |

405(i)f Structural Concrete Class AA2 (fc'=28MPa, max. aggregate 20mm) for long bridge superstructures

Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------|--|------|----------|---------------|--------|--------|-------|-------|------------|-----------------|------------------|-----------------|------------------|------------------|------------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| W0206 | Concrete (Class AA2, 28MPa, max agg. 20mm) | m3 | 10.20 | 2.2% | 83.0% | 14.8% | 57.8% | 42.2% | 1,860.00 | 414.66 | 15,750.88 | 2,806.46 | 10,974.40 | 7,997.60 | 18,972.00 | Loss 2.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 10.00 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 399.26 | 5.04 | 2,165.70 | 1,160.60 | 1,409.40 | 2,570.00 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 10.00 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 31.42 | 3.20 | 7.48 | 5.88 | 36.22 | 42.10 | |
| W0411 | Temporary Struts & Supports Installation | t | 2.90 | 33.7% | 9.5% | 55.9% | 36.9% | 63.1% | 1,390.00 | 1,357.36 | 381.45 | 2,292.19 | 1,486.67 | 2,544.33 | 4,031.00 | |
| W0412 | Temporary Struts & Supports Removal | t | 2.90 | 35.3% | 9.1% | 55.5% | 35.7% | 64.3% | 827.00 | 847.16 | 218.91 | 1,332.23 | 857.10 | 1,541.20 | 2,398.30 | |
| W05041 | Temporary Steel Shapes Depreciation | t-d | 174.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 31.30 | 0.00 | 5,446.20 | 0.00 | 2,723.10 | 2,723.10 | 5,446.20 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 49.20 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 6,533.80 | 4,400.57 | 86.44 | 321.59 | 10,699.21 | 11,020.80 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 9,583.65 | 26,206.25 | 8,690.50 | 17,529.34 | 26,951.06 | 44,480.40 | |
| | Components (%) | | | | | | | | | 21.5% | 68.9% | 19.5% | 39.4% | 60.6% | 100.0% | |
| | Unit Rate | m3 | | | | | | | | 958.79 | 2,621.78 | 869.43 | 1,753.71 | 2,696.29 | 4,450.00 | |

Depreciation period for temporary support = 60 days

405(2) Structural Concrete Class B (fc'=17MPa, max. aggregate 50mm) for plain or lightly reinforced structures Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|---|------|----------|---------------|-------|--------|-------|-------|------------|-----------------|------------------|-----------------|-----------------|------------------|------------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0202 | Concrete (Class B, 17MPa, max agg. 50mm) | m3 | 10.20 | 3.0% | 75.9% | 21.1% | 56.1% | 43.9% | 1,390.00 | 430.47 | 10,754.69 | 2,992.94 | 7,964.02 | 6,223.98 | 14,178.00 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 10.00 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 400.37 | 4.18 | 1,725.45 | 924.78 | 1,205.22 | 2,130.00 | |
| W0236 | Concrete Curing (plain concrete) | m3 | 10.00 | 70.9% | 8.7% | 20.4% | 16.0% | 84.0% | 8.85 | 62.77 | 7.72 | 18.01 | 14.15 | 74.35 | 88.50 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 33.30 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 4,422.26 | 2,978.43 | 58.50 | 217.66 | 7,241.54 | 7,459.20 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 5,315.87 | 13,744.92 | 4,794.91 | 9,110.62 | 14,745.08 | 23,855.70 | |
| | Components (%) | | | | | | | | | 22.3% | 57.6% | 20.1% | 36.2% | 61.8% | 100.0% | |
| | Unit Rate | m3 | | | | | | | | 532.57 | 1,377.04 | 480.38 | 912.75 | 1,477.25 | 2,390.00 | |

405(3) Structural Concrete Class C (fc'=21MPa, max. aggregate 12mm) for thin reinforced members Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|--|------|----------|---------------|-------|--------|-------|-------|------------|-----------------|------------------|-----------------|------------------|------------------|------------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0204 | Concrete (Class C, 21MPa, max agg. 12mm) | m3 | 10.20 | 2.4% | 81.9% | 15.8% | 56.9% | 43.1% | 1,720.00 | 413.31 | 14,361.27 | 2,769.41 | 9,990.85 | 7,553.15 | 17,544.00 | Loss 2.0% |
| W0232 | Concrete Pouring by Pump Vehicle (reinforced concrete) | m3 | 10.00 | 15.5% | 0.2% | 84.3% | 45.2% | 54.8% | 257.00 | 399.26 | 5.04 | 2,165.70 | 1,160.60 | 1,409.40 | 2,570.00 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 10.00 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 31.42 | 3.20 | 7.48 | 5.88 | 36.22 | 42.10 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 25.80 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 3,426.26 | 2,307.61 | 45.33 | 168.64 | 5,610.56 | 5,779.20 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 4,270.24 | 16,677.13 | 4,987.92 | 11,325.97 | 14,609.33 | 25,935.30 | |
| | Components (%) | | | | | | | | | 16.5% | 19.2% | 19.2% | 43.7% | 56.3% | 100.0% | |
| | Unit Rate | m3 | | | | | | | | 426.44 | 1,665.44 | 498.11 | 1,131.06 | 1,458.94 | 2,590.00 | |

405(4)a Structural Concrete Class PP (41MPa, max. agg. 20mm) for prestressed box girders in Angat Bridge Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|---|------|----------|---------------|-------|--------|-------|-------|------------|------------------|------------------|-----------------|------------------|------------------|------------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 10.20 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 414.59 | 18,627.03 | 2,786.38 | 12,717.58 | 9,110.42 | 21,828.00 | Loss 2.0% |
| W0233 | Concrete Pouring by Pump Vehicle for PC box girder cantilever construction | m3 | 10.00 | 29.1% | 0.2% | 70.7% | 37.9% | 62.1% | 508.00 | 1,478.72 | 9.96 | 3,591.32 | 1,925.70 | 3,154.30 | 5,080.00 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 10.00 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 31.42 | 3.20 | 7.48 | 5.88 | 36.22 | 42.10 | |
| W0246 | Formwork Installation and Removal for PC Box Girder (Cantilever Construction) | m2 | 31.60 | 62.6% | 21.6% | 15.8% | 11.4% | 88.6% | 468.00 | 9,260.29 | 3,191.11 | 2,337.40 | 1,686.37 | 13,102.43 | 14,788.80 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 11,185.02 | 21,831.30 | 8,722.58 | 16,335.53 | 25,403.37 | 41,738.90 | |
| | Components (%) | | | | | | | | | 26.8% | 52.3% | 20.9% | 39.1% | 60.9% | 100.0% | |
| | Unit Rate | m3 | | | | | | | | 1,117.46 | 2,181.10 | 871.44 | 1,632.03 | 2,537.97 | 4,170.00 | |

405(4)c Structural Concrete Class PP (41MPa, max. agg. 20mm) for prestressed hollow slab girders Unit: 10.00 m3

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------|--|------|----------|---------------|-------|--------|-------|--------|------------|------------------|------------------|-----------------|------------------|------------------|------------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.90 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 509.40 | 0.00 | 0.00 | 0.00 | 509.40 | 509.40 | |
| L005 | Carpenter | md | 4.80 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 444.00 | 2,131.20 | 0.00 | 0.00 | 0.00 | 2,131.20 | 2,131.20 | |
| L019 | Skilled Labor | md | 0.80 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 322.40 | 0.00 | 0.00 | 0.00 | 322.40 | 322.40 | |
| L019 | Skilled Labor | sd | 0.80 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 322.40 | 0.00 | 0.00 | 0.00 | 322.40 | 322.40 | |
| L020 | Unskilled Labor | md | 4.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,444.40 | 0.00 | 0.00 | 0.00 | 1,444.40 | 1,444.40 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 10.20 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 414.59 | 18,627.03 | 2,786.38 | 12,717.58 | 9,110.42 | 21,828.00 | Loss 2.0% |
| R0702-100 | Concrete Pump Vehicle 100cu-yds/hr (76.5m3/hr) | hr | 0.50 | 0.0% | 0.0% | 100.0% | 53.4% | 46.6% | 2,190.00 | 0.00 | 0.00 | 1,095.00 | 585.06 | 509.95 | 1,095.00 | |
| W0242 | Formwork (reinforced concrete H≥4m) | m2 | 44.00 | 47.1% | 33.6% | 19.3% | 13.6% | 86.4% | 283.00 | 5,889.38 | 4,185.43 | 2,347.19 | 1,699.09 | 10,752.91 | 12,452.00 | |
| W0441 | Temporary Frame Support Installation & Removal | m3 | 81.50 | 58.9% | 3.9% | 37.1% | 22.5% | 77.5% | 52.50 | 2,522.31 | 167.72 | 1,588.72 | 963.01 | 3,315.74 | 4,278.75 | |
| W0442 | Temporary Frame Support Depreciation | m3-d | 4,890.00 | 0.0% | 96.3% | 3.7% | 50.0% | 50.0% | 0.76 | 0.00 | 3,588.17 | 138.01 | 1,863.09 | 1,863.09 | 3,726.18 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| | Total | | | | | | | | | 13,536.08 | 26,568.35 | 8,005.29 | 17,827.82 | 30,281.91 | 48,109.73 | |
| | Components (%) | | | | | | | | | 28.1% | 55.2% | 16.6% | 37.1% | 62.9% | 100.0% | |
| | Unit Rate | m3 | | | | | | | | 1,353.33 | 2,656.30 | 800.37 | 1,782.42 | 3,027.58 | 4,810.00 | |

Depreciation period for temporary support = 60 days

| 405(6) | | Lean Concrete (17MPa, max. agg. 38mm), poured | | | | | | | | | | Unit: | | 10.00 m3 | | |
|----------------|---|---|----------|---------------|-------|--------|-------|-------|------------|----------------|-----------|-----------|----------|-----------|------------|-----------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0201 | Lean Concrete (17MPa, max agg. 38mm) | m3 | 10.20 | 2.7% | 78.5% | 18.8% | 56.4% | 43.6% | 1,510.00 | 423.26 | 12,087.78 | 2,890.96 | 8,694.19 | 6,707.81 | 15,402.00 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 10.00 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 400.37 | 4.18 | 1,725.45 | 924.78 | 1,205.22 | 2,130.00 | |
| W0236 | Concrete Curing (plain concrete) | m3 | 10.00 | 70.9% | 8.7% | 20.4% | 16.0% | 84.0% | 8.85 | 62.77 | 7.72 | 18.01 | 14.15 | 74.36 | 88.50 | |
| W0243 | Formwork (lean concrete) | m2 | 12.50 | 41.3% | 58.0% | 0.8% | 3.8% | 96.2% | 152.00 | 783.80 | 1,101.30 | 14.90 | 72.57 | 1,827.43 | 1,900.00 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | 1,670.20 | 13,200.97 | 4,649.33 | 9,705.70 | 9,814.80 | 19,520.50 | | |
| Components (%) | | | | | | | | | 8.6% | 67.6% | 23.8% | 49.7% | 50.3% | 100.0% | | |
| Unit Rate | | | m3 | | | | | | 166.81 | 1,318.71 | 464.44 | 969.55 | 980.45 | 1,950.00 | | |

| 406(1)a | | Precast Prestressed Structural Concrete Members (AASHTO Girder Type IV L=20m), fabricated & erected | | | | | | | | | | Unit: | | 1.00 each | | |
|----------------|---|---|----------|---------------|-------|--------|-------|--------|------------|----------------|-----------|------------|-----------|------------|------------|-----------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 11.59 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 471.09 | 21,165.42 | 3,166.09 | 14,450.66 | 10,351.94 | 24,802.60 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 11.36 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 454.82 | 4.74 | 1,960.11 | 1,050.55 | 1,369.13 | 2,419.68 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 11.36 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 35.69 | 3.64 | 8.50 | 6.67 | 41.16 | 47.83 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 62.46 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 8,294.73 | 5,586.67 | 109.73 | 408.27 | 13,582.77 | 13,991.04 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 761.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 2,692.83 | 13,654.06 | 1,384.42 | 9,574.00 | 8,157.30 | 17,731.30 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 959.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 3,398.12 | 18,294.87 | 1,802.51 | 12,800.40 | 10,695.10 | 23,495.50 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 40.80 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 2,822.17 | 51,930.78 | 119.06 | 36,035.45 | 18,636.55 | 54,672.00 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 2.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 969.30 | 37,854.18 | 376.52 | 28,473.15 | 10,726.85 | 39,200.00 | |
| W0555 | Precast PC Girder Erection (20.0 ≤ W < 35.0 t) | t | 28.40 | 15.3% | 3.6% | 81.0% | 46.4% | 53.6% | 213.00 | 925.90 | 220.47 | 4,902.83 | 2,808.54 | 3,240.66 | 6,049.20 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | 20,819.64 | 148,814.24 | 13,929.27 | 105,717.15 | 77,846.00 | 183,563.15 | | |
| Components (%) | | | | | | | | | 11.3% | 81.1% | 7.6% | 57.6% | 42.4% | 100.0% | | |
| Unit Rate | | | each | | | | | | 20,869.19 | 149,168.39 | 13,962.42 | 105,968.74 | 78,031.25 | 184,000.00 | | |

| 406(1)b | | Precast Prestressed Structural Concrete Members (AASHTO Girder Type IV L=22m), fabricated & erected | | | | | | | | | | Unit: | | 1.00 each | | |
|----------------|---|---|----------|---------------|-------|--------|-------|--------|------------|----------------|-----------|------------|-----------|------------|------------|-----------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 12.63 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 513.37 | 23,064.64 | 3,450.19 | 15,747.35 | 11,280.85 | 27,028.20 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 12.38 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 495.66 | 5.17 | 2,136.11 | 1,144.88 | 1,492.06 | 2,636.94 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 12.38 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 38.90 | 3.97 | 9.26 | 7.27 | 44.85 | 52.12 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 68.53 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 9,100.83 | 6,129.49 | 120.40 | 447.94 | 14,902.78 | 15,350.72 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 804.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 2,844.98 | 14,425.57 | 1,462.65 | 10,114.98 | 8,618.22 | 18,733.20 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 1,045.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 3,702.85 | 19,935.49 | 1,964.15 | 13,948.30 | 11,654.20 | 25,602.50 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 44.88 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 2,884.39 | 57,123.85 | 130.96 | 39,639.00 | 20,500.20 | 60,139.20 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 2.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 969.30 | 37,854.18 | 376.52 | 28,473.15 | 10,726.85 | 39,200.00 | |
| W0556 | Precast PC Girder Erection (20.0 ≤ W < 35.0 t) | t | 30.95 | 15.3% | 3.6% | 81.0% | 46.4% | 53.6% | 213.00 | 1,009.04 | 240.27 | 5,343.04 | 3,060.71 | 3,531.64 | 6,592.35 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | 22,514.30 | 158,882.14 | 15,092.79 | 112,593.04 | 83,796.19 | 196,489.23 | | |
| Components (%) | | | | | | | | | 11.5% | 80.9% | 7.7% | 57.4% | 42.6% | 100.0% | | |
| Unit Rate | | | each | | | | | | 22,458.24 | 158,486.55 | 15,055.21 | 112,412.45 | 83,587.55 | 196,000.00 | | |

406(1)c Precast Prestressed Structural Concrete Members (AASHTO Girder Type IV L=24m), fabricated & erected Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|--------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 13.67 | 1.9% | 85.3% | 2.8% | 58.3% | 41.7% | 2,140.00 | 555.64 | 24,963.87 | 3,734.29 | 17,044.05 | 12,209.75 | 29,253.80 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 13.40 | 18.6% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 536.50 | 5.60 | 2,312.11 | 1,239.21 | 1,614.99 | 2,854.20 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 13.40 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 42.10 | 4.29 | 10.02 | 7.87 | 48.54 | 56.41 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 74.66 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 9,913.57 | 6,676.88 | 131.15 | 487.94 | 16,233.66 | 16,721.60 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 879.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 3,110.37 | 15,771.24 | 1,599.09 | 11,058.54 | 9,422.16 | 20,480.70 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 1,154.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 4,089.08 | 22,014.89 | 2,169.03 | 15,403.19 | 12,869.81 | 28,273.00 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 48.96 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 3,146.60 | 62,316.93 | 142.87 | 43,242.54 | 22,363.86 | 65,606.40 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 2.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 969.30 | 37,854.18 | 376.52 | 28,473.15 | 10,726.85 | 39,200.00 | |
| W0536 | PC Strand (10-T12.7, 190t) Installation for Precast PC Girder | m | 24.48 | 5.3% | 94.5% | 0.2% | 65.5% | 34.5% | 1,140.00 | 1,467.66 | 26,378.62 | 60.93 | 18,291.12 | 9,616.08 | 27,907.20 | |
| W0546 | PC Strand (10-T12.7, 190t) Tensioning for Precast PC Girder | cable | 1.00 | 2.4% | 96.7% | 0.9% | 72.7% | 27.3% | 19,600.00 | 467.05 | 18,951.11 | 181.84 | 14,251.10 | 5,348.90 | 19,600.00 | |
| W0555 | Precast PC Girder Erection (20.0 ≤ W < 35.0 t) | t | 33.50 | 15.3% | 3.6% | 81.0% | 46.4% | 53.6% | 213.00 | 1,092.18 | 260.06 | 5,783.26 | 3,312.89 | 3,822.61 | 7,135.50 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 26,345.03 | 215,297.17 | 16,600.61 | 152,921.05 | 105,321.76 | 258,242.81 | |
| Components (%) | | | | | | | | | | 10.2% | 83.4% | 6.4% | 59.2% | 40.8% | 100.0% | |
| Unit Rate | | | each | | | | | | | 26,320.26 | 215,094.74 | 16,585.00 | 152,777.27 | 105,222.73 | 258,000.00 | |

406(1)d Precast Prestressed Structural Concrete Members (AASHTO Girder Type IV L=25m), fabricated & erected Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|--------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 14.19 | 1.9% | 85.3% | 2.8% | 58.3% | 41.7% | 2,140.00 | 576.77 | 25,913.48 | 3,876.34 | 17,692.39 | 12,674.21 | 30,366.60 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 13.91 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 556.92 | 5.81 | 2,400.10 | 1,286.37 | 1,676.46 | 2,962.83 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 13.91 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 43.70 | 4.46 | 10.40 | 8.17 | 50.39 | 58.56 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 77.71 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 10,319.94 | 6,950.57 | 136.53 | 507.95 | 16,899.09 | 17,407.04 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 918.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 3,248.38 | 16,470.99 | 1,670.04 | 11,549.19 | 9,840.21 | 21,389.40 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 1,177.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 4,170.58 | 22,453.66 | 2,212.26 | 15,710.19 | 13,126.31 | 28,836.50 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 51.00 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 3,277.71 | 64,913.47 | 148.82 | 46,044.31 | 23,295.69 | 68,340.00 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 2.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 969.30 | 37,854.18 | 376.52 | 28,473.15 | 10,726.85 | 39,200.00 | |
| W0536 | PC Strand (10-T12.7, 190t) Installation for Precast PC Girder | m | 25.60 | 5.3% | 94.5% | 0.2% | 65.5% | 34.5% | 1,140.00 | 1,528.81 | 27,477.73 | 63.46 | 19,053.25 | 10,016.75 | 29,070.00 | |
| W0546 | PC Strand (10-T12.7, 190t) Tensioning for Precast PC Girder | cable | 1.00 | 2.4% | 96.7% | 0.9% | 72.7% | 27.3% | 19,600.00 | 467.05 | 18,951.11 | 181.84 | 14,251.10 | 5,348.90 | 19,600.00 | |
| W0555 | Precast PC Girder Erection (20.0 ≤ W < 35.0 t) | t | 34.78 | 15.3% | 3.6% | 81.0% | 46.4% | 53.6% | 213.00 | 1,133.91 | 270.00 | 6,004.24 | 3,439.47 | 3,968.67 | 7,408.14 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 27,248.05 | 221,364.96 | 17,180.06 | 157,125.00 | 108,668.07 | 265,793.07 | |
| Components (%) | | | | | | | | | | 10.3% | 83.3% | 6.5% | 59.1% | 40.9% | 100.0% | |
| Unit Rate | | | each | | | | | | | 27,269.27 | 221,537.30 | 17,193.43 | 157,247.33 | 108,752.87 | 266,000.00 | |

406(l)e Precast Prestressed Structural Concrete Members (AASHTO Girder Type IV-B L=30m), fabricated & erected Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|--------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 18.78 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 763.34 | 34,295.65 | 5,130.21 | 23,415.30 | 16,773.90 | 40,189.20 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 18.41 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 737.08 | 7.69 | 3,176.56 | 1,702.53 | 2,218.80 | 3,921.33 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 18.41 | 74.8% | 7.8% | 17.8% | 14.0% | 86.0% | 4.21 | 57.84 | 5.90 | 13.77 | 10.82 | 66.69 | 77.51 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 94.89 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 12,601.46 | 8,487.19 | 166.71 | 620.24 | 20,635.12 | 21,255.36 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 1,156.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 4,090.55 | 20,741.25 | 2,103.01 | 14,543.43 | 12,391.37 | 26,934.80 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 1,471.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 5,212.34 | 28,062.31 | 2,764.85 | 19,634.40 | 16,405.10 | 36,039.50 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 61.20 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 3,933.25 | 77,896.17 | 178.58 | 54,053.18 | 27,954.82 | 82,008.00 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 2.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 969.30 | 37,854.18 | 376.52 | 28,473.15 | 10,726.85 | 39,200.00 | |
| W0536 | PC Strand (10-T12.7, 190t) Installation for Precast PC Girder | m | 61.20 | 5.3% | 94.5% | 0.2% | 65.5% | 34.5% | 1,140.00 | 3,669.14 | 65,946.54 | 152.31 | 45,727.79 | 24,040.21 | 69,768.00 | |
| W0546 | PC Strand (10-T12.7, 190t) Tensioning for Precast PC Girder | cable | 2.00 | 2.4% | 96.7% | 0.9% | 72.7% | 27.3% | 19,600.00 | 934.10 | 37,902.21 | 363.69 | 28,502.20 | 10,697.80 | 39,200.00 | |
| W0556 | Precast PC Girder Erection (35.0 ≤ W < 60.0 t) | t | 46.03 | 7.3% | 1.8% | 90.9% | 50.5% | 49.5% | 377.00 | 1,275.13 | 308.88 | 15,769.30 | 8,765.05 | 8,588.26 | 17,353.31 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 35,198.52 | 311,607.47 | 30,295.02 | 225,557.54 | 151,543.47 | 377,101.01 | |
| Components (%) | | | | | | | | | | 9.3% | 82.6% | 8.0% | 59.8% | 40.2% | 100.0% | |
| Unit Rate | | each | | | | | | | | 35,189.09 | 311,524.00 | 30,286.90 | 225,497.12 | 151,502.88 | 377,000.00 | |

406(l)f Precast Prestressed Structural Concrete Members (AASHTO Girder Type IV-B L=31m), fabricated & erected Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|--------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 19.36 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 786.92 | 35,354.83 | 5,288.65 | 24,138.46 | 17,291.94 | 41,430.40 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 18.98 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 759.90 | 7.93 | 3,274.91 | 1,755.24 | 2,287.50 | 4,042.74 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 18.98 | 74.8% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 59.63 | 6.08 | 14.19 | 11.15 | 68.76 | 79.91 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 97.95 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 13,007.83 | 8,760.88 | 172.08 | 640.24 | 21,300.56 | 21,940.80 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 1,199.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 4,242.70 | 21,512.76 | 2,181.23 | 15,084.40 | 12,852.30 | 27,936.70 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 1,452.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 5,145.01 | 27,699.85 | 2,729.14 | 19,380.79 | 16,193.21 | 36,574.00 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 63.24 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 4,064.36 | 80,492.70 | 184.54 | 55,854.95 | 28,886.65 | 84,741.60 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 2.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 969.30 | 37,854.18 | 376.52 | 28,473.15 | 10,726.85 | 39,200.00 | |
| W0536 | PC Strand (10-T12.7, 190t) Installation for Precast PC Girder | m | 63.24 | 5.3% | 94.5% | 0.2% | 65.5% | 34.5% | 1,140.00 | 3,791.45 | 68,144.76 | 157.39 | 47,252.06 | 24,841.55 | 72,093.60 | |
| W0546 | PC Strand (10-T12.7, 190t) Tensioning for Precast PC Girder | cable | 2.00 | 2.4% | 96.7% | 0.9% | 72.7% | 27.3% | 19,600.00 | 934.10 | 37,902.21 | 363.69 | 28,502.20 | 10,697.80 | 39,200.00 | |
| W0556 | Precast PC Girder Erection (35.0 ≤ W < 60.0 t) | t | 47.45 | 7.3% | 1.8% | 90.9% | 50.5% | 49.5% | 377.00 | 1,314.47 | 318.41 | 16,255.77 | 9,035.44 | 8,853.21 | 17,888.65 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 36,030.66 | 318,154.11 | 31,097.63 | 230,237.54 | 155,044.86 | 385,282.40 | |
| Components (%) | | | | | | | | | | 9.4% | 82.6% | 8.1% | 59.8% | 40.2% | 100.0% | |
| Unit Rate | | each | | | | | | | | 36,004.25 | 317,920.91 | 31,074.84 | 230,068.78 | 154,931.22 | 385,000.00 | |

406(l)g Precast Prestressed Structural Concrete Members (AASHTO Girder Type V L=29.4m), fabricated & erected Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|--------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 21.52 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 874.71 | 39,299.38 | 5,878.71 | 26,831.59 | 19,221.21 | 46,052.80 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 21.10 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 844.78 | 8.81 | 3,640.70 | 1,951.29 | 2,543.01 | 4,494.30 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 21.10 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 66.29 | 6.76 | 15.78 | 12.40 | 76.43 | 88.83 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 116.31 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 15,446.05 | 10,403.05 | 204.34 | 760.25 | 25,293.19 | 26,053.44 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 0.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 4,387.67 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 15,547.26 | 83,703.71 | 8,246.95 | 58,565.10 | 48,932.82 | 107,497.92 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 59.98 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 3,854.84 | 76,343.33 | 175.02 | 52,975.65 | 27,397.55 | 80,373.20 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 2.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 969.30 | 37,854.18 | 376.52 | 28,473.15 | 10,726.85 | 39,200.00 | |
| W0536 | PC Strand (10-T12.7, 190t) Installation for Precast PC Girder | m | 59.98 | 5.3% | 94.5% | 0.2% | 65.5% | 34.5% | 1,140.00 | 3,596.00 | 64,631.92 | 149.28 | 44,816.23 | 23,560.97 | 68,377.20 | |
| W0546 | PC Strand (10-T12.7, 190t) Tensioning for Precast PC Girder | cable | 2.00 | 2.4% | 96.7% | 0.9% | 72.7% | 27.3% | 19,600.00 | 934.10 | 37,902.21 | 363.69 | 28,502.20 | 10,697.80 | 39,200.00 | |
| W0556 | Precast PC Girder Erection (35.0 ≤ W < 60.0 t) | t | 52.75 | 7.3% | 1.8% | 90.9% | 50.5% | 49.5% | 377.00 | 1,461.29 | 353.98 | 18,071.49 | 10,044.67 | 9,842.08 | 19,888.75 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 44,549.62 | 350,606.84 | 37,221.98 | 253,041.98 | 179,336.46 | 432,378.44 | |
| Components (%) | | | | | | | | | | 10.3% | 81.1% | 8.6% | 58.5% | 41.5% | 100.0% | |
| Unit Rate | | | each | | | | | | | 44,510.62 | 350,299.97 | 37,189.41 | 252,820.51 | 179,179.49 | 432,000.00 | |

406(l)h Precast Prestressed Structural Concrete Member (AASHTO Girder Type V L=29.55m), fabricated & erected Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|--------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 21.62 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 878.78 | 39,482.00 | 5,906.03 | 26,956.28 | 19,310.52 | 46,268.80 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 21.20 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 848.79 | 8.85 | 3,657.96 | 1,960.54 | 2,555.06 | 4,515.60 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 21.20 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 66.60 | 6.79 | 15.85 | 12.46 | 76.79 | 89.25 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 116.92 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 15,527.06 | 10,457.61 | 205.41 | 764.24 | 25,425.84 | 26,190.08 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 0.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 4,396.75 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 15,579.42 | 83,876.83 | 8,264.01 | 58,686.22 | 49,034.03 | 107,720.25 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 60.28 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 3,874.12 | 76,725.18 | 175.90 | 53,240.61 | 27,534.59 | 80,775.20 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 2.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 969.30 | 37,854.18 | 376.52 | 28,473.15 | 10,726.85 | 39,200.00 | |
| W0536 | PC Strand (10-T12.7, 190t) Installation for Precast PC Girder | m | 60.28 | 5.3% | 94.5% | 0.2% | 65.5% | 34.5% | 1,140.00 | 3,813.98 | 64,955.19 | 150.03 | 45,040.38 | 23,678.82 | 68,719.20 | |
| W0546 | PC Strand (10-T12.7, 190t) Tensioning for Precast PC Girder | cable | 2.00 | 2.4% | 96.7% | 0.9% | 72.7% | 27.3% | 19,600.00 | 934.10 | 37,902.21 | 363.69 | 28,502.20 | 10,697.80 | 39,200.00 | |
| W0556 | Precast PC Girder Erection (35.0 ≤ W < 60.0 t) | t | 53.00 | 7.3% | 1.8% | 90.9% | 50.5% | 49.5% | 377.00 | 1,468.21 | 355.66 | 18,157.13 | 10,092.27 | 9,888.73 | 19,981.00 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| Total | | | | | | | | | | 44,715.35 | 351,724.00 | 37,372.03 | 253,837.81 | 179,973.57 | 433,811.38 | |
| Components (%) | | | | | | | | | | 10.3% | 81.1% | 8.6% | 58.5% | 41.5% | 100.0% | |
| Unit Rate | | | each | | | | | | | 44,734.80 | 351,876.93 | 37,388.28 | 253,948.18 | 180,051.82 | 434,000.00 | |

| 406(1)i Precast Prestressed Structural Concrete Members (AASHTO Girder Type V L=33.5m), fabricated & erected | | | | | | | | | | | | | | | Unit: 1.00 each | |
|--|---|--------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|-----------------|-----------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 24.26 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 986.08 | 44,303.11 | 6,627.21 | 30,247.89 | 21,668.51 | 51,916.40 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 23.78 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 952.08 | 9.93 | 4,103.13 | 2,199.14 | 2,866.00 | 5,065.14 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 23.78 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 74.71 | 7.62 | 17.78 | 13.97 | 86.14 | 100.11 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 132.80 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 17,635.94 | 11,877.95 | 233.31 | 868.04 | 28,879.16 | 29,747.20 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 1,975.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 6,988.61 | 35,435.95 | 3,592.94 | 24,847.12 | 21,170.38 | 46,017.50 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 1,612.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 5,711.96 | 30,752.17 | 3,029.87 | 21,516.42 | 17,977.58 | 39,494.00 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 102.51 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 6,588.20 | 130,476.08 | 299.13 | 90,539.07 | 46,824.33 | 137,363.40 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 3.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 1,453.95 | 56,781.27 | 564.78 | 42,709.72 | 16,090.28 | 58,800.00 | |
| W0536 | PC Strand (8-T12.7, 150t) Installation for Precast PC Girder | m | 68.34 | 5.9% | 93.9% | 0.2% | 65.0% | 35.0% | 934.00 | 3,769.43 | 59,920.32 | 139.81 | 41,495.76 | 22,333.80 | 63,829.56 | |
| W0546 | PC Strand (8-T12.7, 150t) Tensioning for Precast PC Girder | cable | 2.00 | 3.0% | 96.0% | 1.1% | 72.2% | 27.8% | 14,600.00 | 867.83 | 28,020.27 | 311.90 | 21,093.73 | 8,106.27 | 29,200.00 | |
| W0556 | Precast PC Girder Erection (35.0 ≤ W < 60.0 t) | t | 59.45 | 7.3% | 1.8% | 90.9% | 50.5% | 49.5% | 377.00 | 1,646.89 | 398.94 | 20,366.82 | 11,320.49 | 11,092.16 | 22,412.65 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 47,630.66 | 398,083.11 | 39,386.19 | 286,960.78 | 198,139.18 | 485,099.96 | |
| Components (%) | | | | | | | | | | 9.8% | 82.1% | 8.1% | 59.2% | 40.8% | 100.0% | |
| Unit Rate | | | each | | | | | | | 47,620.84 | 398,001.09 | 39,378.07 | 286,901.65 | 198,098.35 | 485,000.00 | |

| 406(1)j Precast Prestressed Structural Concrete Members (AASHTO Girder Type VI L=35m), fabricated & erected | | | | | | | | | | | | | | | Unit: 1.00 each | |
|---|---|--------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|-----------------|-----------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 27.33 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 1,110.87 | 49,909.48 | 7,465.85 | 34,075.63 | 24,410.57 | 58,486.20 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 26.79 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 1,072.59 | 11.19 | 4,622.49 | 2,477.50 | 3,228.77 | 5,706.27 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 26.79 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 84.17 | 8.59 | 20.03 | 15.74 | 97.05 | 112.79 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 154.83 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 20,561.54 | 13,848.37 | 272.02 | 1,012.04 | 33,669.88 | 34,681.92 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 1,936.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 6,850.60 | 34,736.20 | 3,521.99 | 24,356.47 | 20,752.33 | 45,108.80 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 1,677.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 5,942.28 | 31,992.18 | 3,152.05 | 22,384.81 | 18,702.49 | 41,086.50 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 107.10 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 6,883.19 | 136,318.29 | 312.52 | 94,593.86 | 48,920.94 | 143,514.00 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 3.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 1,453.95 | 56,781.27 | 564.78 | 42,709.72 | 16,090.28 | 58,800.00 | |
| W0536 | PC Strand (10-T12.7, 190t) Installation for Precast PC Girder | m | 71.40 | 5.3% | 94.5% | 0.2% | 65.5% | 34.5% | 1,140.00 | 4,280.67 | 76,937.63 | 177.70 | 53,349.09 | 28,046.94 | 81,396.00 | |
| W0546 | PC Strand (10-T12.7, 190t) Tensioning for Precast PC Girder | cable | 2.00 | 2.4% | 96.7% | 0.9% | 72.7% | 27.3% | 19,600.00 | 934.10 | 37,902.21 | 363.69 | 28,502.20 | 10,697.80 | 39,200.00 | |
| W0557 | Precast PC Girder Erection (60.0 ≤ W < 75.0 t) | t | 66.98 | 6.2% | 1.8% | 92.0% | 51.1% | 48.9% | 423.00 | 1,768.11 | 509.31 | 26,055.12 | 14,483.13 | 13,849.41 | 28,332.54 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 51,897.05 | 439,054.22 | 46,627.74 | 318,066.04 | 219,510.98 | 537,679.02 | |
| Components (%) | | | | | | | | | | 9.7% | 81.7% | 8.7% | 59.2% | 40.8% | 100.0% | |
| Unit Rate | | | each | | | | | | | 51,937.70 | 439,398.05 | 46,664.26 | 318,317.12 | 219,682.88 | 538,000.00 | |

406(1)k Precast Prestressed Structural Concrete Members (AASHTO Girder Type VI L=36m), fabricated & erected Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|--------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 28.04 | 1.9% | 86.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 1,139.73 | 51,206.07 | 7,659.80 | 34,960.87 | 25,044.73 | 60,005.60 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 27.49 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 1,100.62 | 11.48 | 4,743.27 | 2,542.23 | 3,313.14 | 5,855.37 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 27.49 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 86.37 | 8.81 | 20.56 | 16.15 | 99.58 | 115.73 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 159.31 | 69.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 21,156.48 | 14,249.07 | 279.89 | 1,041.32 | 34,644.12 | 35,685.44 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 2,017.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 7,137.23 | 36,189.53 | 3,669.35 | 25,375.51 | 21,620.59 | 46,996.10 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 1,721.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 6,098.19 | 32,831.57 | 3,234.75 | 22,971.31 | 19,193.19 | 42,164.50 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 110.16 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 7,079.85 | 140,213.10 | 321.45 | 97,295.72 | 50,318.69 | 147,614.40 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 3.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 1,463.95 | 56,781.27 | 564.78 | 42,709.72 | 16,090.28 | 58,800.00 | |
| W0536 | PC Strand (10-T12.7, 190t) Installation for Precast PC Girder | m | 73.44 | 6.3% | 94.5% | 0.2% | 65.5% | 34.5% | 1,140.00 | 4,402.97 | 79,135.85 | 182.78 | 54,873.35 | 28,848.25 | 83,721.60 | |
| W0546 | PC Strand (10-T12.7, 190t) Tensioning for Precast PC Girder | cable | 2.00 | 2.4% | 98.7% | 0.9% | 72.7% | 27.3% | 19,600.00 | 934.10 | 37,902.21 | 363.69 | 28,502.20 | 10,697.80 | 39,200.00 | |
| W0557 | Precast PC Girder Erection (60.0 ≤ W < 75.0 t) | t | 68.73 | 6.2% | 1.8% | 92.0% | 51.1% | 48.9% | 423.00 | 1,814.30 | 522.61 | 26,735.87 | 14,861.53 | 14,211.26 | 29,072.79 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 53,358.77 | 449,151.07 | 47,875.68 | 325,259.37 | 225,126.16 | 550,385.53 | |
| Components (%) | | | | | | | | | | 9.7% | 81.6% | 8.7% | 59.1% | 40.9% | 100.0% | |
| Unit Rate | | | each | | | | | | | 53,321.40 | 448,836.45 | 47,842.15 | 325,031.54 | 224,968.46 | 550,000.00 | |

406(1)l Precast Prestressed Structural Concrete Members (AASHTO Girder Type VI(mod) L=39.4m), fabricated & erected Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|--------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 32.18 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 1,308.00 | 58,766.45 | 8,790.75 | 40,122.71 | 28,742.49 | 68,865.20 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 31.55 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 1,263.17 | 13.18 | 5,443.80 | 2,917.69 | 3,802.46 | 6,720.15 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 31.55 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 99.13 | 10.11 | 23.59 | 18.54 | 114.29 | 132.83 | |
| W0241 | Formwork (reinforced concrete H<4m) | m2 | 188.02 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 24,969.39 | 16,816.96 | 330.33 | 1,228.98 | 40,887.50 | 42,116.48 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 4,298.00 | 16.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 15,208.62 | 77,115.81 | 7,818.97 | 54,072.36 | 46,071.04 | 100,143.40 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 3,674.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 13,018.44 | 70,089.00 | 6,905.55 | 49,039.27 | 40,973.73 | 90,013.00 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 200.94 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 12,914.18 | 255,759.08 | 586.35 | 177,474.60 | 91,785.00 | 269,259.60 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 5.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 2,423.25 | 94,635.45 | 941.30 | 71,182.86 | 26,817.14 | 98,000.00 | |
| W0558 | Precast PC Girder Erection (75.0 ≤ W < 80.0 t) | t | 78.88 | 5.7% | 1.8% | 92.5% | 51.4% | 48.6% | 430.00 | 1,947.93 | 612.34 | 31,358.13 | 17,435.22 | 16,483.18 | 33,918.40 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 74,106.90 | 573,917.88 | 62,298.28 | 413,601.69 | 296,721.37 | 710,323.06 | |
| Components (%) | | | | | | | | | | 10.4% | 80.8% | 8.8% | 58.2% | 41.8% | 100.0% | |
| Unit Rate | | | each | | | | | | | 74,073.20 | 573,656.85 | 62,269.95 | 413,413.58 | 296,586.42 | 710,000.00 | |

406(1)m Precast Prestressed Structural Concrete Members (AASHTO Girder Type VI(mod) L=39.55m), fabricated & erected

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|--------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 32.29 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 1,312.48 | 58,967.33 | 8,820.79 | 40,259.86 | 28,840.74 | 69,100.60 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 31.66 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 1,267.57 | 13.22 | 5,462.78 | 2,927.87 | 3,815.71 | 6,743.58 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 31.66 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 99.47 | 10.15 | 23.67 | 18.60 | 114.69 | 133.29 | |
| W0241 | Formwork (reinforced concrete) (K4m) | m2 | 188.74 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 25,064.81 | 16,881.36 | 331.59 | 1,233.69 | 41,044.07 | 42,277.76 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 4,388.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 15,520.01 | 78,694.73 | 7,979.06 | 55,179.48 | 47,014.32 | 102,193.80 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 3,572.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 12,657.02 | 68,143.15 | 6,713.84 | 47,677.81 | 39,836.19 | 87,614.06 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 201.71 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 12,963.67 | 256,739.14 | 588.59 | 178,154.68 | 92,136.72 | 270,291.40 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 5.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 2,423.25 | 94,635.45 | 941.30 | 71,182.86 | 26,817.14 | 98,000.00 | |
| W0558 | Precast PC Girder Erection (75.0 ≤ W < 80.0 t) | t | 79.15 | 5.7% | 1.8% | 92.5% | 51.4% | 48.6% | 430.00 | 1,954.60 | 614.43 | 31,465.47 | 17,494.90 | 16,539.60 | 34,034.50 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 74,217.86 | 574,798.46 | 62,426.61 | 414,239.20 | 297,203.73 | 711,442.93 | |
| Components (%) | | | | | | | | | | 10.4% | 80.8% | 8.8% | 58.2% | 41.8% | 100.0% | |
| Unit Rate | | | each | | | | | | | 74,171.65 | 574,440.60 | 62,387.75 | 413,981.30 | 297,018.70 | 711,000.00 | |

406(1)n Precast Prestressed Structural Concrete Members (AASHTO Girder Type VI(mod) L=40m), fabricated & erected

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|--------|----------|---------------|-------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0521 | Precast PC Girder Fabrication Base Construction & Removal | girder | 1.00 | 76.3% | 11.8% | 11.8% | 13.0% | 87.0% | 841.00 | 641.98 | 99.51 | 99.51 | 109.46 | 731.54 | 841.00 | |
| W0522 | Precast PC Girder Fabrication Base Maintenance | girder | 1.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 313.00 | 313.00 | 0.00 | 0.00 | 0.00 | 313.00 | 313.00 | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 32.62 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 1,325.89 | 59,569.97 | 8,910.94 | 40,671.31 | 29,135.49 | 69,806.80 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 31.98 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 1,280.39 | 13.36 | 5,518.00 | 2,957.46 | 3,854.28 | 6,811.74 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 31.98 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 100.48 | 10.25 | 23.91 | 18.79 | 115.85 | 134.64 | |
| W0241 | Formwork (reinforced concrete) (K4m) | m2 | 190.92 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 25,354.31 | 17,076.35 | 335.42 | 1,247.94 | 41,518.14 | 42,766.08 | |
| W0251 | Reinforcement Grade 40, cutting, bending & assembly | kg | 3,060.00 | 15.2% | 77.0% | 7.8% | 54.0% | 46.0% | 23.30 | 10,827.92 | 54,903.30 | 5,566.78 | 38,497.31 | 32,800.69 | 71,298.00 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 1,895.00 | 14.5% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 6,714.74 | 36,150.97 | 3,561.79 | 25,293.80 | 21,133.70 | 46,427.50 | |
| W0537 | PC Strand (12-T12.7, 225t) Installation for Precast PC Girder | m | 204.00 | 4.8% | 95.0% | 0.2% | 65.9% | 34.1% | 1,340.00 | 13,110.84 | 259,653.88 | 595.28 | 180,177.26 | 93,182.74 | 273,360.00 | |
| W0547 | PC Strand (12-T12.7, 225t) Tensioning for Precast PC Girder | cable | 5.00 | 2.5% | 96.6% | 1.0% | 72.6% | 27.4% | 19,600.00 | 2,423.25 | 94,635.45 | 941.30 | 71,182.86 | 26,817.14 | 98,000.00 | |
| W0558 | Precast PC Girder Erection (75.0 ≤ W < 80.0 t) | t | 79.95 | 5.7% | 1.8% | 92.5% | 51.4% | 48.6% | 430.00 | 1,974.35 | 620.64 | 31,783.50 | 17,671.72 | 16,706.78 | 34,378.50 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 64,067.15 | 522,733.67 | 57,336.44 | 377,827.91 | 266,309.35 | 644,137.26 | |
| Components (%) | | | | | | | | | | 9.9% | 81.2% | 8.9% | 58.7% | 41.3% | 100.0% | |
| Unit Rate | | | each | | | | | | | 64,053.50 | 522,622.28 | 57,324.22 | 377,747.40 | 266,252.60 | 644,000.00 | |

406(1)p Precast Prestressed Structural Concrete (PC Deck Slab, 210 x 2000 x 9950mm)

Unit: 100.00 m2

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------------|--|-------|----------|---------------|-------|--------|-------|-------|------------|----------------|------------|-----------|------------|------------|------------|-----------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0208 | Concrete (Class PP, 41MPa, max agg. 20mm) | m3 | 27.78 | 1.9% | 85.3% | 12.8% | 58.3% | 41.7% | 2,140.00 | 1,129.16 | 50,731.26 | 7,588.78 | 34,636.70 | 24,812.50 | 59,449.20 | Loss 2.0% |
| W0231 | Concrete Pouring by Pump Vehicle (plain concrete) | m3 | 27.24 | 18.8% | 0.2% | 81.0% | 43.4% | 56.6% | 213.00 | 1,090.61 | 11.38 | 4,700.13 | 2,519.11 | 3,283.01 | 5,802.12 | |
| W0237 | Concrete Curing (reinforced concrete) | m3 | 27.24 | 74.6% | 7.6% | 17.8% | 14.0% | 86.0% | 4.21 | 85.58 | 8.73 | 20.37 | 16.00 | 98.68 | 114.68 | |
| W0241 | Formwork (reinforced concrete 11K4m) | m2 | 55.63 | 59.3% | 39.9% | 0.8% | 2.9% | 97.1% | 224.00 | 7,387.70 | 4,975.68 | 97.73 | 363.62 | 12,097.50 | 12,461.12 | |
| W0252 | Reinforcement Grade 60, cutting, bending & assembly | kg | 7,844.22 | 14.6% | 77.9% | 7.7% | 54.5% | 45.5% | 24.50 | 27,795.19 | 149,644.43 | 14,743.79 | 104,701.94 | 87,481.48 | 192,183.42 | |
| W0538 | PC Strand (L-T15.2, 30t) Installation for Precast PC Deck Slab | m | 900.00 | 8.2% | 91.6% | 0.2% | 62.8% | 37.2% | 216.00 | 15,924.06 | 178,052.50 | 423.44 | 122,037.55 | 72,362.45 | 194,400.00 | |
| W0548 | PC Strand (L-T15.2, 30t) Tensioning for Precast PC Deck Slab | cable | 90.45 | 4.9% | 93.5% | 1.7% | 70.7% | 29.3% | 2,060.00 | 9,037.17 | 174,191.34 | 3,098.50 | 131,746.17 | 54,580.83 | 186,327.00 | |
| W0551 | Precast PC Girder Erection (W < 12.5t) | t | 68.10 | 25.1% | 3.9% | 70.9% | 41.1% | 58.9% | 218.00 | 3,731.68 | 583.75 | 10,530.37 | 6,106.79 | 8,739.01 | 14,845.80 | |
| W0549 | Secondary Concrete for Precast PC Deck Slab | m3 | 3.78 | 6.0% | 74.3% | 19.7% | 55.3% | 44.7% | 2,140.00 | 483.76 | 6,010.39 | 1,595.05 | 4,475.20 | 3,614.00 | 8,089.20 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 66,664.91 | 564,209.46 | 42,798.17 | 406,603.08 | 267,069.46 | 673,672.54 | |
| Components (%) | | | | | | | | | | 9.9% | 83.8% | 6.4% | 60.4% | 39.6% | 100.0% | |
| Unit Rate | | | m2 | | | | | | | 666.97 | 5,644.84 | 428.19 | 4,068.01 | 2,671.99 | 6,740.00 | |

406(3)a Prestressing Steel 12-T12.7 for PC Box Girders of Angat Bridge, Longitudinal

Unit: 1,000.00 kg

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|-----------------------------|--|------|----------|---------------|---------------------------|--------|-------|-------|------------|----------------|------------|-----------|------------|-----------|------------|------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0671 | PC Cable Installation, (12-T12.7, 225t) for PC Box Girder (Longitudinal) | t | 1.00 | 11.5% | 84.4% | 4.1% | 60.4% | 39.6% | 153,000.00 | 17,564.93 | 129,167.28 | 6,267.80 | 92,457.23 | 60,542.77 | 153,000.00 | |
| W0672 | PC Cable Anchorage, (12-T12.7, 225t) for PC Box Girder (Longitudinal) | each | 3.25 | 0.9% | 92.4% | 6.7% | 71.0% | 29.0% | 12,900.00 | 393.99 | 38,736.01 | 2,795.00 | 29,750.76 | 12,174.24 | 41,925.00 | |
| W0673 | PC Cable Tensioning, (12-T12.7, 225t) for PC Box Girder (Longitudinal) | each | 3.25 | 6.3% | 87.5% | 6.2% | 68.3% | 31.7% | 9,560.00 | 1,956.56 | 27,197.95 | 1,915.49 | 21,231.75 | 9,838.25 | 31,070.00 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 19,915.48 | 195,101.23 | 10,978.29 | 143,439.74 | 82,555.26 | 225,995.00 | |
| Components (%) | | | | | | | | | | 8.8% | 86.3% | 4.9% | 63.5% | 36.5% | 100.0% | |
| Unit Rate | | | kg | | | | | | | 19.92 | 195.11 | 10.98 | 143.44 | 82.56 | 226.00 | |
| Total weight of PC cables = | | | | 106,536.0 kg | Total numbers of cables = | | | 346 | | | | | | | | |

406(3)b Prestressing Steel 5-T12.7 for PC Box Girders of Angat Bridge, Transversal in Top Slab

Unit: 1,000.00 kg

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|-----------------------------|---|------|----------|---------------|---------------------------|--------|-------|-------|------------|----------------|------------|-----------|------------|-----------|------------|------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0676 | PC Cable Installation, (5-T12.7, 90t) for PC Box Girder (Transversal) | t | 1.00 | 11.2% | 84.7% | 4.1% | 60.6% | 39.4% | 152,000.00 | 17,052.66 | 128,707.70 | 6,239.85 | 92,129.09 | 59,870.91 | 152,000.00 | |
| W0677 | PC Cable Anchorage, (5-T12.7, 90t) for PC Box Girder (Transversal) | each | 26.77 | 5.0% | 86.7% | 8.3% | 67.1% | 32.9% | 1,680.00 | 2,263.34 | 38,998.15 | 3,712.11 | 30,176.64 | 14,796.96 | 44,973.60 | |
| W0678 | PC Cable Tensioning, (5-T12.7, 90t) for PC Box Girder (Transversal) | each | 26.77 | 40.1% | 23.4% | 36.5% | 34.6% | 65.4% | 823.00 | 8,824.97 | 5,159.99 | 8,046.75 | 7,620.41 | 14,411.30 | 22,431.71 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 28,140.97 | 172,865.84 | 17,998.50 | 129,926.14 | 89,079.17 | 219,005.31 | |
| Components (%) | | | | | | | | | | 12.8% | 78.9% | 8.2% | 59.3% | 40.7% | 100.0% | |
| Unit Rate | | | kg | | | | | | | 28.14 | 172.86 | 18.00 | 129.92 | 89.08 | 219.00 | |
| Total weight of PC cables = | | | | 28,992.0 kg | Total numbers of cables = | | | 776 | | | | | | | | |

406(3)c Prestressing Bar 32mm for PC Box Girders of Angat Bridge, Transversal in Diaphragms

Unit: 1,000.00 kg

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|-----------------------------|---|------|----------|---------------|---------------------------|--------|-------|-------|------------|----------------|------------|-----------|------------|-----------|------------|------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0681 | PC Bar Installation, (1-32mm) for PC Box Girder (Transversal) | t | 1.00 | 5.7% | 91.1% | 3.3% | 64.8% | 35.2% | 157,000.00 | 8,924.58 | 142,971.83 | 5,103.59 | 101,781.65 | 55,218.35 | 157,000.00 | |
| W0682 | PC Bar Anchorage, (1-32mm) for PC Box Girder (Transversal) | each | 29.12 | 2.4% | 92.0% | 5.5% | 70.4% | 29.6% | 1,810.00 | 1,287.60 | 48,511.62 | 2,907.98 | 37,110.71 | 15,596.49 | 62,707.20 | |
| W0683 | PC Bar Tensioning, (32mm) for PC Box Girder (Transversal) | each | 29.12 | 16.3% | 71.4% | 12.2% | 59.9% | 40.1% | 1,800.00 | 8,564.14 | 37,437.61 | 6,414.24 | 31,378.83 | 21,037.17 | 52,416.00 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 18,776.32 | 228,921.06 | 14,425.82 | 170,271.19 | 91,852.01 | 262,123.20 | |
| Components (%) | | | | | | | | | | 7.2% | 87.3% | 5.6% | 65.0% | 35.0% | 100.0% | |
| Unit Rate | | | kg | | | | | | | 18.77 | 228.81 | 14.42 | 170.19 | 91.81 | 262.00 | |
| Total weight of PC cables = | | | | 4,669.8 kg | Total numbers of cables = | | | 136 | | | | | | | | |

406(3)d Prestressing Bar ϕ 32mm for PC Box Girders of Angat Bridge, Vertical in Webs Unit: 1,000.00 kg

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|------------------------------|---|------|------------|---------------|-------|--------|-------|-------|----------------------------|----------------|------------|-----------|------------|------------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0686 | PC Bar Installation, (1- ϕ 32mm) for PC Box Girder (Vertical in Web) | t | 1.00 | 5.7% | 91.1% | 3.3% | 64.8% | 35.2% | 157,000.00 | 8,924.58 | 142,971.83 | 5,103.59 | 101,781.65 | 55,218.35 | 157,000.00 | |
| W0687 | PC Bar Anchorage, (1- ϕ 32mm) for PC Box Girder (Vertical in Web) | each | 61.38 | 2.4% | 92.0% | 5.5% | 70.4% | 29.6% | 1,810.00 | 2,714.04 | 102,254.22 | 6,129.53 | 78,223.05 | 32,874.75 | 111,097.80 | |
| W0688 | PC Bar Tensioning, (1- ϕ 32mm) for PC Box Girder (Vertical in Web) | each | 61.38 | 16.3% | 71.4% | 12.2% | 59.9% | 40.1% | 1,800.00 | 18,051.75 | 78,912.11 | 13,520.13 | 66,141.23 | 44,342.77 | 110,484.00 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 29,690.38 | 324,139.17 | 24,753.26 | 246,145.93 | 132,435.87 | 378,581.80 | |
| Components (%) | | | | | | | | | | 7.8% | 85.6% | 6.5% | 65.0% | 35.0% | 100.0% | |
| Unit Rate | | | kg | | | | | | | 29.72 | 324.50 | 24.78 | 246.42 | 132.58 | 379.00 | |
| Total weight of PC tendons = | | | 5,473.8 kg | | | | | | Total numbers of tendons = | 336 | | | | | | |

406(3)e Prestressing Steel 12-T12.7 for PC Hollow Slab Bridge for Buzlog Ramp C, Longitudinal Unit: 1,000.00 kg

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|-----------------------------|--|------|-------------|---------------|-------|--------|-------|-------|---------------------------|----------------|------------|-----------|------------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0671 | PC Cable Installation, (12-T12.7, 225t) for PC Box Girder (Longitudinal) | t | 1.00 | 11.5% | 84.4% | 4.1% | 60.4% | 39.6% | 153,000.00 | 17,564.93 | 129,167.28 | 6,267.80 | 92,457.23 | 60,542.77 | 153,000.00 | |
| W0672 | PC Cable Anchorage, (12-T12.7, 225t) for PC Box Girder (Longitudinal) | each | 1.42 | 0.9% | 92.4% | 6.7% | 71.0% | 29.0% | 12,900.00 | 172.14 | 16,924.66 | 1,221.20 | 12,998.79 | 5,319.21 | 18,318.00 | |
| W0673 | PC Cable Tensioning, (12-T12.7, 225t) for PC Box Girder (Longitudinal) | each | 1.42 | 6.3% | 87.5% | 6.2% | 68.3% | 31.7% | 9,560.00 | 854.87 | 11,883.41 | 836.92 | 9,276.64 | 4,298.56 | 13,575.20 | |
| | Miscellaneous | LS | 1.00 | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0% |
| Total | | | | | | | | | | 18,591.94 | 157,975.34 | 8,325.92 | 114,732.67 | 70,160.53 | 184,893.20 | |
| Components (%) | | | | | | | | | | 10.1% | 85.4% | 4.5% | 62.1% | 37.9% | 100.0% | |
| Unit Rate | | | kg | | | | | | | 18.60 | 158.07 | 8.33 | 114.80 | 70.20 | 185.00 | |
| Total weight of PC cables = | | | 14,114.8 kg | | | | | | Total numbers of cables = | 20 | | | | | | |

407(1)a Elastomeric Bearing Pad, Duro 60 (400x300x50mm) Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|--|--|------|----------|---------------|--------|--------|-------|--------|------------|----------------|------------|-----------|-----------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 792.40 | 0.00 | 0.00 | 0.00 | 792.40 | 792.40 | |
| L019 | Skilled Labor | md | 2.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 886.60 | 0.00 | 0.00 | 0.00 | 886.60 | 886.60 | |
| L020 | Unskilled Labor | md | 4.90 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,538.60 | 0.00 | 0.00 | 0.00 | 1,538.60 | 1,538.60 | |
| M09001 | Laminated Elastomeric Bearing Pad (400x300x50mm) | each | 10.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 11,000.00 | 0.00 | 110,000.00 | 0.00 | 71,500.00 | 38,500.00 | 110,000.00 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 0.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 0.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| M02001 | Reinforcing Bars, Grade 40 | kg | 0.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| M09013 | Elastomeric Pad (t=50mm) | m2 | 0.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 25,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 40.0% | 60.0% | 55.0% | 45.0% | | 0.00 | 905.74 | 1,358.61 | 1,245.39 | 1,018.96 | 2,264.35 | 2.0% |
| Total | | | | | | | | | | 3,217.60 | 110,905.74 | 1,358.61 | 72,745.39 | 42,736.56 | 115,481.95 | |
| Components (%) | | | | | | | | | | 2.8% | 96.0% | 1.2% | 83.0% | 37.0% | 100.0% | |
| Unit Rate | | | each | | | | | | | 320.42 | 11,044.29 | 135.29 | 7,244.18 | 4,255.92 | 11,500.00 | |
| Miscellaneous covers the cost for welding equipment, welding rods, minor tools, etc. | | | | | | | | | | | | | | | | |

407(1)b Elastomeric Bearing Pad, Duro 60 (600x300x50mm) Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|--|--|------|----------|---------------|--------|--------|-------|--------|------------|----------------|------------|-----------|------------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 792.40 | 0.00 | 0.00 | 0.00 | 792.40 | 792.40 | |
| L019 | Skilled Labor | md | 2.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 886.60 | 0.00 | 0.00 | 0.00 | 886.60 | 886.60 | |
| L020 | Unskilled Labor | md | 4.90 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,538.60 | 0.00 | 0.00 | 0.00 | 1,538.60 | 1,538.60 | |
| M09002 | Laminated Elastomeric Bearing Pad (600x300x50mm) | each | 10.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 15,800.00 | 0.00 | 158,000.00 | 0.00 | 102,700.00 | 55,300.00 | 158,000.00 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 216.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 4,708.80 | 0.00 | 3,296.16 | 1,412.64 | 4,708.80 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 92.30 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 1,864.46 | 0.00 | 1,305.12 | 559.34 | 1,864.46 | |
| M02001 | Reinforcing Bars, Grade 40 | kg | 16.60 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 16.00 | 0.00 | 265.60 | 0.00 | 172.64 | 92.96 | 265.60 | |
| M09013 | Elastomeric Pad (t=50mm) | m2 | 0.79 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 25,700.00 | 0.00 | 20,303.00 | 0.00 | 13,196.95 | 7,106.05 | 20,303.00 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 40.0% | 60.0% | 55.0% | 45.0% | | 0.00 | 1,506.88 | 2,260.31 | 2,071.95 | 1,695.24 | 3,767.19 | 2.0% |
| Total | | | | | | | | | | 3,217.60 | 186,648.74 | 2,260.31 | 122,742.83 | 69,383.82 | 192,126.65 | |
| Components (%) | | | | | | | | | | 1.7% | 97.1% | 1.2% | 83.9% | 36.1% | 100.0% | |
| Unit Rate | | | each | | | | | | | 321.55 | 18,652.57 | 226.88 | 12,266.19 | 6,933.81 | 19,200.00 | |
| Miscellaneous covers the cost for welding equipment, welding rods, minor tools, etc. | | | | | | | | | | | | | | | | |

407(l)c Elastomeric Bearing Pad, Duro 60 (600x350x50mm) Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|----------|---------------|--------|--------|-------|--------|------------|----------------|------------|-----------|------------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 792.40 | 0.00 | 0.00 | 0.00 | 792.40 | 792.40 | |
| L019 | Skilled Labor | md | 2.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 886.60 | 0.00 | 0.00 | 0.00 | 886.60 | 886.60 | |
| L020 | Unskilled Labor | md | 4.90 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,538.60 | 0.00 | 0.00 | 0.00 | 1,538.60 | 1,538.60 | |
| M09003 | Laminated Elastomeric Bearing Pad (600x350x50mm) | each | 10.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 18,400.00 | 0.00 | 184,000.00 | 0.00 | 119,500.00 | 64,400.00 | 184,000.00 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 212.30 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 4,628.14 | 0.00 | 3,239.70 | 1,388.44 | 4,628.14 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 172.90 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 3,492.58 | 0.00 | 2,444.81 | 1,047.77 | 3,492.58 | |
| M02001 | Reinforcing Bars, Grade 40 | kg | 47.90 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 16.00 | 0.00 | 766.40 | 0.00 | 498.16 | 268.24 | 766.40 | |
| M09013 | Elastomeric Pad (t=50mm) | m2 | 0.56 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 25,700.00 | 0.00 | 14,392.00 | 0.00 | 9,354.80 | 5,037.20 | 14,392.00 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 40.0% | 60.0% | 55.0% | 45.0% | | 0.00 | 1,683.97 | 2,525.96 | 2,315.46 | 1,894.47 | 4,209.93 | 2.0% |
| Total | | | | | | | | | | 3,217.60 | 208,963.09 | 2,525.96 | 137,452.93 | 77,253.73 | 214,706.65 | |
| Components (%) | | | | | | | | | | 1.5% | 97.3% | 1.2% | 64.0% | 36.0% | 100.0% | |
| Unit Rate | | | each | | | | | | | 322.20 | 20,924.86 | 252.94 | 13,764.07 | 7,735.93 | 21,500.00 | |

Miscellaneous covers the cost for welding equipment, welding rods, minor tools, etc.

407(l)d Elastomeric Bearing Pad, Duro 60 (600x700x89mm) Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|----------|---------------|--------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 792.40 | 0.00 | 0.00 | 0.00 | 792.40 | 792.40 | |
| L019 | Skilled Labor | md | 2.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 886.60 | 0.00 | 0.00 | 0.00 | 886.60 | 886.60 | |
| L020 | Unskilled Labor | md | 4.90 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,538.60 | 0.00 | 0.00 | 0.00 | 1,538.60 | 1,538.60 | |
| M09004 | Laminated Elastomeric Bearing Pad (600x700x89mm) | each | 10.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 66,600.00 | 0.00 | 666,000.00 | 0.00 | 432,900.00 | 233,100.00 | 666,000.00 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 2,882.30 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 62,834.14 | 0.00 | 43,983.90 | 18,850.24 | 62,834.14 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 2,330.60 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 47,078.12 | 0.00 | 32,954.68 | 14,123.44 | 47,078.12 | |
| M02001 | Reinforcing Bars, Grade 40 | kg | 177.60 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 16.00 | 0.00 | 2,841.60 | 0.00 | 1,847.04 | 994.56 | 2,841.60 | |
| M09013 | Elastomeric Pad (t=50mm) | m2 | 2.06 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 25,700.00 | 0.00 | 52,942.00 | 0.00 | 34,412.30 | 18,529.70 | 52,942.00 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 40.0% | 60.0% | 55.0% | 45.0% | | 0.00 | 6,679.31 | 10,018.96 | 9,184.05 | 7,514.22 | 16,698.27 | 2.0% |
| Total | | | | | | | | | | 3,217.60 | 838,376.17 | 10,018.96 | 565,281.97 | 295,329.76 | 851,611.73 | |
| Components (%) | | | | | | | | | | 0.4% | 98.4% | 1.2% | 65.2% | 34.8% | 100.0% | |
| Unit Rate | | | each | | | | | | | 321.91 | 83,875.74 | 1,002.35 | 55,553.51 | 29,646.49 | 85,200.00 | |

Miscellaneous covers the cost for welding equipment, welding rods, minor tools, etc.

407(l)e Elastomeric Bearing Pad, Duro 60 (600x400x60mm) Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|----------|---------------|--------|--------|-------|--------|------------|----------------|------------|-----------|------------|------------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 792.40 | 0.00 | 0.00 | 0.00 | 792.40 | 792.40 | |
| L019 | Skilled Labor | md | 2.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 886.60 | 0.00 | 0.00 | 0.00 | 886.60 | 886.60 | |
| L020 | Unskilled Labor | md | 4.90 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,538.60 | 0.00 | 0.00 | 0.00 | 1,538.60 | 1,538.60 | |
| M09005 | Laminated Elastomeric Bearing Pad (600x400x60mm) | each | 10.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 25,300.00 | 0.00 | 253,000.00 | 0.00 | 164,450.00 | 88,550.00 | 253,000.00 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 994.20 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 21,673.56 | 0.00 | 15,171.49 | 6,502.07 | 21,673.56 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 135.60 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 2,739.12 | 0.00 | 1,917.38 | 821.74 | 2,739.12 | |
| M02001 | Reinforcing Bars, Grade 40 | kg | 22.20 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 16.00 | 0.00 | 355.20 | 0.00 | 230.88 | 124.32 | 355.20 | |
| M09013 | Elastomeric Pad (t=50mm) | m2 | 0.53 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 25,700.00 | 0.00 | 13,621.00 | 0.00 | 8,853.85 | 4,767.35 | 13,621.00 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 40.0% | 60.0% | 55.0% | 45.0% | | 0.00 | 2,356.85 | 3,535.28 | 3,240.67 | 2,651.46 | 5,892.13 | 2.0% |
| Total | | | | | | | | | | 3,217.60 | 293,745.73 | 3,535.28 | 193,864.08 | 106,634.53 | 300,498.61 | |
| Components (%) | | | | | | | | | | 1.1% | 97.8% | 1.2% | 64.5% | 35.5% | 100.0% | |
| Unit Rate | | | each | | | | | | | 321.23 | 29,325.83 | 352.94 | 19,384.24 | 10,645.76 | 30,000.00 | |

Miscellaneous covers the cost for welding equipment, welding rods, minor tools, etc.

| 407(i)f Elastomeric Bearing Pad, Duro 60 (450x300x60mm) | | | | | | | | | | Unit: 10.00 each | | | | | | |
|---|--|------|----------|---------------|--------|--------|-------|--------|------------|------------------|------------|-----------|------------|-----------|------------|------------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| L002 | Foreman | md | 1.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 792.40 | 0.00 | 0.00 | 0.00 | 792.40 | 792.40 | |
| L019 | Skilled Labor | md | 2.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 886.60 | 0.00 | 0.00 | 0.00 | 886.60 | 886.60 | |
| L020 | Unskilled Labor | md | 4.90 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,538.60 | 0.00 | 0.00 | 0.00 | 1,538.60 | 1,538.60 | |
| M09006 | Laminated Elastomeric Bearing Pad (450x300x60mm) | each | 10.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 14,200.00 | 0.00 | 142,000.00 | 0.00 | 92,300.00 | 49,700.00 | 142,000.00 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 1,315.30 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 28,673.54 | 0.00 | 20,071.48 | 8,602.06 | 28,673.54 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 300.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 6,060.00 | 0.00 | 4,242.00 | 1,818.00 | 6,060.00 | |
| M02001 | Reinforcing Bars, Grade 40 | kg | 336.70 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 16.00 | 0.00 | 5,387.20 | 0.00 | 3,501.68 | 1,885.52 | 5,387.20 | |
| M09013 | Elastomeric Pad (t=50mm) | m2 | 0.83 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 25,700.00 | 0.00 | 21,331.00 | 0.00 | 13,865.15 | 7,465.85 | 21,331.00 | |
| | Miscellaneous | LS | 1.99 | 0.0% | 40.0% | 60.0% | 55.0% | 45.0% | | 0.00 | 1,653.35 | 2,480.03 | 2,273.36 | 1,866.02 | 4,133.39 | 2.0% |
| Total | | | | | | | | | | 3,217.60 | 205,105.09 | 2,480.03 | 136,253.67 | 74,549.06 | 210,802.73 | |
| Components (%) | | | | | | | | | | 1.5% | 97.3% | 1.2% | 64.6% | 35.4% | 100.0% | |
| Unit Rate | | | each | | | | | | | 322.06 | 20,529.70 | 248.24 | 13,638.12 | 7,461.88 | 21,100.00 | |

Miscellaneous covers the cost for welding equipment, welding rods, minor tools, etc.

| 407(i)g Elastomeric Bearing Pad, Duro 60 (550x300x50mm) | | | | | | | | | | Unit: 10.00 each | | | | | | |
|---|--|------|----------|---------------|--------|--------|-------|--------|------------|------------------|------------|-----------|-----------|-----------|------------|------------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| L002 | Foreman | md | 1.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 792.40 | 0.00 | 0.00 | 0.00 | 792.40 | 792.40 | |
| L019 | Skilled Labor | md | 2.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 886.60 | 0.00 | 0.00 | 0.00 | 886.60 | 886.60 | |
| L020 | Unskilled Labor | md | 4.90 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,538.60 | 0.00 | 0.00 | 0.00 | 1,538.60 | 1,538.60 | |
| M09007 | Laminated Elastomeric Bearing Pad (550x300x50mm) | each | 10.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 14,500.00 | 0.00 | 145,000.00 | 0.00 | 94,250.00 | 50,750.00 | 145,000.00 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 0.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 0.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| M02001 | Reinforcing Bars, Grade 40 | kg | 0.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| M09013 | Elastomeric Pad (t=50mm) | m2 | 0.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 25,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 40.0% | 60.0% | 55.0% | 45.0% | | 0.00 | 1,185.74 | 1,778.61 | 1,630.39 | 1,333.96 | 2,964.35 | 2.0% |
| Total | | | | | | | | | | 3,217.60 | 146,185.74 | 1,778.61 | 95,880.39 | 55,301.56 | 151,181.95 | |
| Components (%) | | | | | | | | | | 2.1% | 96.7% | 1.2% | 63.4% | 36.6% | 100.0% | |
| Unit Rate | | | each | | | | | | | 321.77 | 14,600.93 | 177.65 | 9,576.50 | 5,523.50 | 15,100.00 | |

Miscellaneous covers the cost for welding equipment, welding rods, minor tools, etc.

| 407(i)h Elastomeric Bearing Pad, Duro 60 (500x400x50mm) | | | | | | | | | | Unit: 10.00 each | | | | | | |
|---|--|------|----------|---------------|--------|--------|-------|--------|------------|------------------|------------|-----------|------------|-----------|------------|------------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| L002 | Foreman | md | 1.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 792.40 | 0.00 | 0.00 | 0.00 | 792.40 | 792.40 | |
| L019 | Skilled Labor | md | 2.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 886.60 | 0.00 | 0.00 | 0.00 | 886.60 | 886.60 | |
| L020 | Unskilled Labor | md | 4.90 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,538.60 | 0.00 | 0.00 | 0.00 | 1,538.60 | 1,538.60 | |
| M09008 | Laminated Elastomeric Bearing Pad (500x400x50mm) | each | 10.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 21,100.00 | 0.00 | 211,000.00 | 0.00 | 137,150.00 | 73,850.00 | 211,000.00 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 1,315.30 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 28,673.54 | 0.00 | 20,071.48 | 8,602.06 | 28,673.54 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 300.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 6,060.00 | 0.00 | 4,242.00 | 1,818.00 | 6,060.00 | |
| M02001 | Reinforcing Bars, Grade 40 | kg | 336.70 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 16.00 | 0.00 | 5,387.20 | 0.00 | 3,501.68 | 1,885.52 | 5,387.20 | |
| M09013 | Elastomeric Pad (t=50mm) | m2 | 0.83 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 25,700.00 | 0.00 | 21,331.00 | 0.00 | 13,865.15 | 7,465.85 | 21,331.00 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 40.0% | 60.0% | 55.0% | 45.0% | | 0.00 | 2,295.35 | 3,308.03 | 3,032.36 | 2,481.02 | 5,513.39 | 2.0% |
| Total | | | | | | | | | | 3,217.60 | 274,657.09 | 3,308.03 | 181,862.67 | 99,320.06 | 281,182.73 | |
| Components (%) | | | | | | | | | | 1.1% | 97.7% | 1.2% | 64.7% | 35.3% | 100.0% | |
| Unit Rate | | | each | | | | | | | 321.55 | 27,447.86 | 330.59 | 18,174.45 | 9,925.55 | 28,100.00 | |

Miscellaneous covers the cost for welding equipment, welding rods, minor tools, etc.

407(2)a Expansion Joint, Multiflex M80 (Elastomeric) Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|-------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|--------------|--------------|--------------|--------------|--------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 849.00 | 0.00 | 0.00 | 0.00 | 849.00 | 849.00 | |
| L019 | Skilled Labor | md | 6.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 2,418.00 | 0.00 | 0.00 | 0.00 | 2,418.00 | 2,418.00 | |
| L020 | Unskilled Labor | md | 3.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 942.00 | 0.00 | 0.00 | 0.00 | 942.00 | 942.00 | |
| M09200 | Expansion Joint, Multiflex 80 | m | 100.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 64,600.00 | 0.00 | 6,460,000.00 | 0.00 | 4,199,000.00 | 2,261,000.00 | 6,460,000.00 | |
| W0225 | Grout (non-shrink) | m3 | 0.36 | 1.0% | 96.2% | 2.8% | 81.2% | 38.8% | 3,060.00 | 10.84 | 1,060.03 | 30.73 | 674.60 | 427.00 | 1,101.60 | |
| M07021 | Asphalt Mixture | t | 2.54 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 2,500.00 | 0.00 | 6,350.00 | 0.00 | 4,127.50 | 2,222.50 | 6,350.00 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 55.0% | 45.0% | | 12,943.32 | 38,829.96 | 77,659.93 | 71,188.27 | 58,244.95 | 129,433.21 | 2.0% |
| | Total | | | | | | | | 17,163.16 | 6,506,240.00 | 77,690.55 | 4,274,990.37 | 2,326,103.44 | 6,601,093.81 | | |
| | Components (%) | | | | | | | | 0.3% | 98.6% | 1.2% | 64.8% | 35.2% | 100.0% | | |
| | Unit Rate | m | | | | | | | 171.63 | 65,061.62 | 776.78 | 42,742.82 | 23,257.18 | 66,000.00 | | |

Miscellaneous covers the cost for chipping, surface preparation, minor tools, etc.

407(2)b Expansion Joint, Multiflex M100 (Elastomeric) Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|--------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|--------------|--------------|--------------|--------------|--------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 849.00 | 0.00 | 0.00 | 0.00 | 849.00 | 849.00 | |
| L019 | Skilled Labor | md | 6.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 2,418.00 | 0.00 | 0.00 | 0.00 | 2,418.00 | 2,418.00 | |
| L020 | Unskilled Labor | md | 3.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 942.00 | 0.00 | 0.00 | 0.00 | 942.00 | 942.00 | |
| M09201 | Expansion Joint, Multiflex 100 | m | 100.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 74,400.00 | 0.00 | 7,440,000.00 | 0.00 | 4,836,000.00 | 2,604,000.00 | 7,440,000.00 | |
| W0225 | Grout (non-shrink) | m3 | 0.39 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 11.74 | 1,148.37 | 33.29 | 730.82 | 462.58 | 1,193.40 | |
| M07021 | Asphalt Mixture | t | 2.96 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 2,500.00 | 0.00 | 7,400.00 | 0.00 | 4,810.00 | 2,580.00 | 7,400.00 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 55.0% | 45.0% | | 14,905.60 | 44,716.81 | 89,433.63 | 81,980.83 | 67,075.22 | 149,056.05 | 2.0% |
| | Total | | | | | | | | 19,126.35 | 7,493,265.18 | 89,466.91 | 4,923,521.65 | 2,678,336.80 | 7,601,858.45 | | |
| | Components (%) | | | | | | | | 0.3% | 98.6% | 1.2% | 64.8% | 35.2% | 100.0% | | |
| | Unit Rate | m | | | | | | | 191.22 | 74,914.33 | 894.45 | 49,223.18 | 26,776.82 | 76,000.00 | | |

Miscellaneous covers the cost for chipping, surface preparation, minor tools, etc.

407(2)c Expansion Joint, Multiflex M140 (Elastomeric) Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|--------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|--------------|--------------|--------------|--------------|--------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 849.00 | 0.00 | 0.00 | 0.00 | 849.00 | 849.00 | |
| L019 | Skilled Labor | md | 6.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 2,418.00 | 0.00 | 0.00 | 0.00 | 2,418.00 | 2,418.00 | |
| L020 | Unskilled Labor | md | 3.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 942.00 | 0.00 | 0.00 | 0.00 | 942.00 | 942.00 | |
| M09202 | Expansion Joint, Multiflex 140 | m | 100.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 93,800.00 | 0.00 | 9,380,000.00 | 0.00 | 6,097,000.00 | 3,283,000.00 | 9,380,000.00 | |
| W0225 | Grout (non-shrink) | m3 | 0.82 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 24.69 | 2,414.52 | 69.99 | 1,536.60 | 972.60 | 2,509.20 | |
| M07021 | Asphalt Mixture | t | 4.28 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 2,500.00 | 0.00 | 10,700.00 | 0.00 | 6,955.00 | 3,745.00 | 10,700.00 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 55.0% | 45.0% | | 18,794.84 | 56,384.51 | 112,769.02 | 103,371.60 | 84,576.76 | 187,948.36 | 2.0% |
| | Total | | | | | | | | 23,028.53 | 9,449,499.03 | 112,839.00 | 6,208,863.20 | 3,376,503.37 | 9,585,366.56 | | |
| | Components (%) | | | | | | | | 0.2% | 98.6% | 1.2% | 64.8% | 35.2% | 100.0% | | |
| | Unit Rate | m | | | | | | | 230.40 | 94,540.67 | 1,128.94 | 62,118.64 | 33,781.36 | 95,900.00 | | |

Miscellaneous covers the cost for chipping, surface preparation, minor tools, etc.

407(2)d Expansion Joint, Multiflex M160 (Elastomeric) Unit: 100.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|--------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|---------------|--------------|--------------|---------------|---------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 849.00 | 0.00 | 0.00 | 0.00 | 849.00 | 849.00 | |
| L019 | Skilled Labor | md | 6.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 2,418.00 | 0.00 | 0.00 | 0.00 | 2,418.00 | 2,418.00 | |
| L020 | Unskilled Labor | md | 3.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 942.00 | 0.00 | 0.00 | 0.00 | 942.00 | 942.00 | |
| M09203 | Expansion Joint, Multiflex 160 | m | 100.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 107,000.00 | 0.00 | 10,700,000.00 | 0.00 | 6,955,000.00 | 3,745,000.00 | 10,700,000.00 | |
| W0225 | Grout (non-shrink) | m3 | 0.54 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 16.26 | 1,690.05 | 46.09 | 1,011.90 | 640.50 | 1,652.40 | |
| M07021 | Asphalt Mixture | t | 3.85 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 2,500.00 | 0.00 | 9,625.00 | 0.00 | 6,256.25 | 3,368.75 | 9,625.00 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 55.0% | 45.0% | | 21,430.97 | 64,292.92 | 128,585.84 | 117,870.35 | 96,439.38 | 214,309.73 | 2.0% |
| | Total | | | | | | | | 25,656.23 | 10,775,507.97 | 128,631.93 | 7,080,138.50 | 3,849,657.62 | 10,929,796.13 | | |
| | Components (%) | | | | | | | | 0.2% | 98.6% | 1.2% | 64.8% | 35.2% | 100.0% | | |
| | Unit Rate | m | | | | | | | 255.86 | 107,461.32 | 1,282.81 | 70,608.37 | 38,391.63 | 109,000.00 | | |

Miscellaneous covers the cost for chipping, surface preparation, minor tools, etc.

| 407(2)e | | Expansion Joint, Multiflex M200 (Elastomeric) | | | | | | | | | | Unit: 100.00 m | | | | |
|----------------|--------------------------------|---|----------|---------------|--------|--------|-------|--------|------------|----------------|---------------|----------------|--------------|--------------|---------------|------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | Labor | Material | Equipment | Foreign | Local | Total (PP) | | |
| L002 | Foreman | md | 1.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 849.00 | 0.00 | 0.00 | 0.00 | 849.00 | 849.00 | |
| L019 | Skilled Labor | md | 6.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 2,418.00 | 0.00 | 0.00 | 0.00 | 2,418.00 | 2,418.00 | |
| L020 | Unskilled Labor | md | 3.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 942.00 | 0.00 | 0.00 | 0.00 | 942.00 | 942.00 | |
| M09204 | Expansion Joint, Multiflex 200 | m | 100.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 122,000.00 | 0.00 | 12,200,000.00 | 0.00 | 7,930,000.00 | 4,270,000.00 | 12,200,000.00 | |
| W0225 | Grout (non-shrink) | m3 | 1.60 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 18.18 | 4,711.26 | 136.56 | 2,998.23 | 1,897.77 | 4,896.00 | |
| M07021 | Asphalt Mixture | t | 4.18 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 2,500.00 | 0.00 | 10,450.00 | 0.00 | 6,792.50 | 3,657.50 | 10,450.00 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 55.0% | 45.0% | | 24,439.11 | 73,317.33 | 146,634.66 | 134,415.11 | 109,976.00 | 244,391.10 | 2.0% |
| Total | | | | | | | | | | 28,696.29 | 12,288,478.59 | 146,771.22 | 8,074,205.84 | 4,389,740.26 | 12,463,946.10 | |
| Components (%) | | | | | | | | | | 0.2% | 98.6% | 1.2% | 64.8% | 35.2% | 100.0% | |
| Unit Rate | | | m | | | | | | | 287.79 | 123,240.25 | 1,471.96 | 80,975.62 | 44,024.38 | 125,000.00 | |

Miscellaneous covers the cost for chipping, surface preparation, minor tools, etc.

| 407(2)f | | Expansion Joint, Multiflex M330 (Elastomeric) | | | | | | | | | | Unit: 100.00 m | | | | |
|----------------|--------------------------------|---|----------|---------------|--------|--------|-------|--------|------------|----------------|---------------|----------------|---------------|--------------|---------------|------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | Labor | Material | Equipment | Foreign | Local | Total (PP) | | |
| L002 | Foreman | md | 1.50 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 849.00 | 0.00 | 0.00 | 0.00 | 849.00 | 849.00 | |
| L019 | Skilled Labor | md | 6.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 2,418.00 | 0.00 | 0.00 | 0.00 | 2,418.00 | 2,418.00 | |
| L020 | Unskilled Labor | md | 3.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 942.00 | 0.00 | 0.00 | 0.00 | 942.00 | 942.00 | |
| M09206 | Expansion Joint, Multiflex 330 | m | 100.00 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 250,000.00 | 0.00 | 25,000,000.00 | 0.00 | 16,250,000.00 | 8,750,000.00 | 25,000,000.00 | |
| W0225 | Grout (non-shrink) | m3 | 2.21 | 1.0% | 96.2% | 2.8% | 61.2% | 38.8% | 3,060.00 | 66.55 | 6,507.43 | 188.62 | 4,141.31 | 2,621.29 | 6,762.60 | |
| M07021 | Asphalt Mixture | t | 5.64 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 2,500.00 | 0.00 | 14,100.00 | 0.00 | 9,165.00 | 4,935.00 | 14,100.00 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 55.0% | 45.0% | | 50,050.14 | 150,150.43 | 300,300.86 | 275,275.79 | 225,225.64 | 500,501.43 | 2.0% |
| Total | | | | | | | | | | 54,325.69 | 25,170,757.86 | 300,489.48 | 16,538,582.10 | 8,986,990.93 | 25,525,573.03 | |
| Components (%) | | | | | | | | | | 0.2% | 98.6% | 1.2% | 64.8% | 35.2% | 100.0% | |
| Unit Rate | | | m | | | | | | | 542.71 | 251,455.40 | 3,001.88 | 165,220.13 | 89,779.87 | 255,000.00 | |

Miscellaneous covers the cost for chipping, surface preparation, minor tools, etc.

| 407(2)g | | Expansion Joint, 30mm for bridge sidewalk | | | | | | | | | | Unit: 100.00 m | | | | |
|----------------|----------------------------------|---|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|----------------|----------|------------|-----------|------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | Labor | Material | Equipment | Foreign | Local | Total (PP) | | |
| L002 | Foreman | md | 0.80 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 452.80 | 0.00 | 0.00 | 0.00 | 452.80 | 452.80 | |
| L019 | Skilled Labor | md | 1.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 644.80 | 0.00 | 0.00 | 0.00 | 644.80 | 644.80 | |
| L020 | Unskilled Labor | md | 1.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 502.40 | 0.00 | 0.00 | 0.00 | 502.40 | 502.40 | |
| M07104 | Joint Filler (bituminous t=20mm) | m2 | 7.50 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 571.00 | 0.00 | 4,282.50 | 0.00 | 2,569.50 | 1,713.00 | 4,282.50 | |
| M07117 | Joint Sealant (liquid type) | kg | 91.80 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 96.20 | 0.00 | 8,831.16 | 0.00 | 5,298.70 | 3,532.46 | 8,831.16 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 30.0% | 70.0% | 55.0% | 45.0% | | 0.00 | 44.14 | 103.00 | 80.93 | 66.21 | 147.14 | 1.0% |
| Total | | | | | | | | | | 1,600.00 | 13,167.80 | 103.00 | 7,949.12 | 6,911.68 | 14,860.80 | |
| Components (%) | | | | | | | | | | 10.8% | 88.5% | 0.7% | 53.5% | 46.5% | 100.0% | |
| Unit Rate | | | m | | | | | | | 16.04 | 131.93 | 1.03 | 79.70 | 69.30 | 149.60 | |

Miscellaneous covers the cost for minor materials, minor tools, etc.

| SPL 407(3)a | | Restraining Bar ϕ 32 x 1495mm | | | | | | | | | | Unit: 10.00 each | | | | |
|----------------|----------------------------------|------------------------------------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|------------------|-----------|------------|-----------|------|
| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | Labor | Material | Equipment | Foreign | Local | Total (PP) | | |
| L002 | Foreman | md | 0.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 339.60 | 0.00 | 0.00 | 0.00 | 339.60 | 339.60 | |
| L009 | Welder | md | 3.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 1,500.00 | 0.00 | 0.00 | 0.00 | 1,500.00 | 1,500.00 | |
| L019 | Skilled Labor | md | 3.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 1,450.80 | 0.00 | 0.00 | 0.00 | 1,450.80 | 1,450.80 | |
| L020 | Unskilled Labor | md | 2.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 690.80 | 0.00 | 0.00 | 0.00 | 690.80 | 690.80 | |
| M09313 | PC Tendon, ϕ 32 | kg | 94.40 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 136.00 | 0.00 | 12,838.40 | 0.00 | 8,986.88 | 3,851.52 | 12,838.40 | |
| M08302 | PVC Pipe, ϕ 50 | m | 7.50 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 66.70 | 0.00 | 500.25 | 0.00 | 250.13 | 250.13 | 500.25 | |
| M09012 | Elastomeric Pad (t=10mm) | m2 | 1.41 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 20,500.00 | 0.00 | 28,905.00 | 0.00 | 18,788.25 | 10,116.75 | 28,905.00 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 491.40 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 9,926.28 | 0.00 | 6,948.40 | 2,977.88 | 9,926.28 | |
| M02001 | Reinforcing Bars, Grade 40 | kg | 63.70 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 16.00 | 0.00 | 1,019.20 | 0.00 | 662.48 | 356.72 | 1,019.20 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 30.0% | 70.0% | 55.0% | 45.0% | | 0.00 | 1,372.99 | 3,201.54 | 2,515.49 | 2,058.13 | 4,573.63 | 8.0% |
| Total | | | | | | | | | | 3,981.20 | 54,561.22 | 3,201.54 | 38,151.63 | 23,592.33 | 61,743.96 | |
| Components (%) | | | | | | | | | | 6.4% | 88.4% | 5.2% | 61.8% | 38.2% | 100.0% | |
| Unit Rate | | | each | | | | | | | 397.84 | 5,452.24 | 319.93 | 3,812.45 | 2,357.55 | 6,170.00 | |

Miscellaneous covers the cost for steel cutter, welding equipment, welding rods, tensioning jack, minor tools, etc.

SPL 407(3)b Restraining Bar ϕ 32 x 1900mm

Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|----------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|-----------|-----------|-----------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 339.60 | 0.00 | 0.00 | 0.00 | 339.60 | 339.60 | |
| L009 | Welder | md | 3.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 1,500.00 | 0.00 | 0.00 | 0.00 | 1,500.00 | 1,500.00 | |
| L019 | Skilled Labor | md | 3.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 1,450.80 | 0.00 | 0.00 | 0.00 | 1,450.80 | 1,450.80 | |
| L020 | Unskilled Labor | md | 2.20 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 690.80 | 0.00 | 0.00 | 0.00 | 690.80 | 690.80 | |
| M09313 | PC Tendon, ϕ 32 | kg | 118.70 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 136.00 | 0.00 | 16,143.20 | 0.00 | 11,300.24 | 4,842.96 | 16,143.20 | |
| M09302 | PVC Pipe, ϕ 50 | m | 8.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 66.70 | 0.00 | 533.60 | 0.00 | 266.80 | 266.80 | 533.60 | |
| M09012 | Elastomeric Pad (t=40mm) | m2 | 1.41 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 20,500.00 | 0.00 | 28,905.00 | 0.00 | 18,788.25 | 10,116.75 | 28,905.00 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 515.10 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 10,405.02 | 0.00 | 7,283.51 | 3,121.51 | 10,405.02 | |
| M02001 | Reinforcing Bars, Grade 40 | kg | 64.40 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 16.00 | 0.00 | 1,030.40 | 0.00 | 669.76 | 360.64 | 1,030.40 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 30.0% | 70.0% | 55.0% | 45.0% | 0.00 | 0.00 | 1,463.96 | 3,415.91 | 2,683.93 | 2,195.94 | 4,879.87 | 8.0% |
| Total | | | | | | | | | | 3,981.20 | 58,481.18 | 3,415.91 | 40,992.49 | 24,885.80 | 65,878.29 | |
| Components (%) | | | | | | | | | | 6.0% | 88.8% | 5.2% | 62.2% | 37.8% | 100.0% | |
| Unit Rate | | | each | | | | | | | 398.25 | 5,850.05 | 341.70 | 4,100.60 | 2,489.40 | 6,590.00 | |

Miscellaneous covers the cost for steel cutter, welding equipment, welding rods, tensioning jack, minor tools, etc.

SPL 407(3)c Restraining Cable ϕ 65 x 4121mm (PC 7-T15.2)

Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|----------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|------------|-----------|------------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.30 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 735.80 | 0.00 | 0.00 | 0.00 | 735.80 | 735.80 | |
| L009 | Welder | md | 3.90 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 1,950.00 | 0.00 | 0.00 | 0.00 | 1,950.00 | 1,950.00 | |
| L019 | Skilled Labor | md | 7.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 3,062.80 | 0.00 | 0.00 | 0.00 | 3,062.80 | 3,062.80 | |
| L020 | Unskilled Labor | md | 4.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,444.40 | 0.00 | 0.00 | 0.00 | 1,444.40 | 1,444.40 | |
| M09307 | PC Strand, T15.2 | kg | 317.60 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 119.00 | 0.00 | 37,794.40 | 0.00 | 26,456.08 | 11,338.32 | 37,794.40 | |
| M09332 | PC Sheath, ϕ 65 | m | 37.81 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 123.00 | 0.00 | 4,650.63 | 0.00 | 3,022.91 | 1,627.72 | 4,650.63 | |
| M09013 | Elastomeric Pad (t=50mm) | m2 | 2.04 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 25,700.00 | 0.00 | 52,428.00 | 0.00 | 34,078.20 | 18,349.80 | 52,428.00 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 783.60 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 15,828.72 | 0.00 | 11,080.10 | 4,748.62 | 15,828.72 | |
| M02511 | Stainless Plate | kg | 908.10 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 135.00 | 0.00 | 122,593.50 | 0.00 | 85,815.45 | 36,778.05 | 122,593.50 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 60.0% | 40.0% | 55.0% | 45.0% | 0.00 | 0.00 | 11,513.44 | 7,695.62 | 10,581.48 | 8,657.58 | 19,239.06 | 8.0% |
| Total | | | | | | | | | | 7,193.00 | 244,838.60 | 7,695.62 | 171,034.23 | 88,693.08 | 259,727.31 | |
| Components (%) | | | | | | | | | | 2.8% | 94.3% | 3.0% | 65.9% | 34.1% | 100.0% | |
| Unit Rate | | | each | | | | | | | 720.06 | 24,509.57 | 770.37 | 17,121.38 | 8,878.62 | 26,060.00 | |

Miscellaneous covers the cost for steel cutter, welding equipment, welding rods, tensioning jack, minor tools, etc.

SPL 407(3)d Restraining Cable ϕ 65 x 4224mm (PC 7-T15.2)

Unit: 10.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|----------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|------------|-----------|------------|-----------|------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 1.30 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 735.80 | 0.00 | 0.00 | 0.00 | 735.80 | 735.80 | |
| L009 | Welder | md | 3.90 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 500.00 | 1,950.00 | 0.00 | 0.00 | 0.00 | 1,950.00 | 1,950.00 | |
| L019 | Skilled Labor | md | 7.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 3,062.80 | 0.00 | 0.00 | 0.00 | 3,062.80 | 3,062.80 | |
| L020 | Unskilled Labor | md | 4.60 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 1,444.40 | 0.00 | 0.00 | 0.00 | 1,444.40 | 1,444.40 | |
| M09307 | PC Strand, T15.2 | kg | 325.50 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 119.00 | 0.00 | 38,734.50 | 0.00 | 27,114.15 | 11,620.35 | 38,734.50 | |
| M09332 | PC Sheath, ϕ 65 | m | 38.84 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 123.00 | 0.00 | 4,777.32 | 0.00 | 3,105.26 | 1,672.06 | 4,777.32 | |
| M09013 | Elastomeric Pad (t=50mm) | m2 | 2.04 | 0.0% | 100.0% | 0.0% | 65.0% | 35.0% | 25,700.00 | 0.00 | 52,428.00 | 0.00 | 34,078.20 | 18,349.80 | 52,428.00 | |
| M02015 | Structural Steel (Plates, SS400) | kg | 960.00 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 20.20 | 0.00 | 19,392.00 | 0.00 | 13,574.40 | 5,817.60 | 19,392.00 | |
| M02511 | Stainless Plate | kg | 613.60 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 135.00 | 0.00 | 82,822.50 | 0.00 | 57,975.75 | 24,846.75 | 82,822.50 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 60.0% | 40.0% | 55.0% | 45.0% | 0.00 | 0.00 | 9,856.67 | 6,571.11 | 9,035.28 | 7,392.50 | 16,427.79 | 8.0% |
| Total | | | | | | | | | | 7,193.00 | 208,010.99 | 6,571.11 | 144,883.04 | 76,892.07 | 221,775.11 | |
| Components (%) | | | | | | | | | | 3.2% | 93.8% | 3.0% | 65.3% | 34.7% | 100.0% | |
| Unit Rate | | | each | | | | | | | 720.03 | 20,822.19 | 657.78 | 14,503.00 | 7,697.00 | 22,200.00 | |

Miscellaneous covers the cost for steel cutter, welding equipment, welding rods, tensioning jack, minor tools, etc.

407(4) G.I. Drain Pipe ϕ 150mm for Bridge Drainage Unit: 10.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | | Amount | | | | | | Remarks |
|----------------|------------------------------------|------|----------|---------------|--------|--------|-------|--------|------------|----------------|----------|-----------|----------|----------|------------|---------|
| | | | | Component (%) | | | | | Total (PP) | Component (PP) | | | | | Total (PP) | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| L002 | Foreman | md | 0.40 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 566.00 | 226.40 | 0.00 | 0.00 | 0.00 | 226.40 | 226.40 | |
| L019 | Skilled Labor | md | 1.10 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 403.00 | 443.30 | 0.00 | 0.00 | 0.00 | 443.30 | 443.30 | |
| L020 | Unskilled Labor | md | 0.70 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 314.00 | 219.80 | 0.00 | 0.00 | 0.00 | 219.80 | 219.80 | |
| M08709 | Steel Gas Pipe, ϕ 150 | m | 10.00 | 0.0% | 100.0% | 0.0% | 60.0% | 40.0% | 707.00 | 0.00 | 7,070.00 | 0.00 | 4,242.00 | 2,828.00 | 7,070.00 | |
| M02012 | Structural Steel (Flat Bar, SS400) | kg | 10.48 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 22.70 | 0.00 | 237.90 | 0.00 | 166.53 | 71.37 | 237.90 | |
| | Miscellaneous | LS | 1.00 | 0.0% | 30.0% | 70.0% | 55.0% | 45.0% | 0.00 | 0.00 | 73.78 | 172.15 | 135.26 | 110.66 | 245.92 | 3.0% |
| Total | | | | | | | | | 889.50 | 7,381.68 | 172.15 | 4,543.79 | 3,899.53 | 8,443.32 | | |
| Components (%) | | | | | | | | | 10.5% | 87.4% | 2.0% | 53.8% | 46.2% | 100.0% | | |
| Unit Rate | | | m | | | | | | 88.95 | 737.88 | 17.21 | 454.20 | 389.80 | 844.00 | | |

Miscellaneous covers the costs for falseworks, galvanizing or painting, welding equipment, welding rods, minor tools, etc.

SPL 407(5)a Pier Protection Concrete Blocks for Agat Bridge Unit: 1,344.00 m²

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | | Amount | | | | | | Remarks |
|----------------|---|----------------|----------------|---------------|--------|--------|-------|-------|------------|----------------|------------|------------|------------|--------------|------------|---------|
| | | | | Component (%) | | | | | Total (PP) | Component (PP) | | | | | Total (PP) | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0601 | Pier Protection Concrete Block Type A Production & Laying | each | 112.00 | 14.2% | 62.1% | 23.7% | 50.3% | 49.7% | 3,070.00 | 48,960.49 | 213,545.49 | 81,334.02 | 172,933.49 | 170,906.51 | 343,840.00 | |
| W0602 | Pier Protection Concrete Block Type B Production & Laying | each | 32.00 | 14.6% | 61.7% | 23.6% | 50.1% | 49.9% | 2,930.00 | 13,734.10 | 57,876.00 | 22,149.90 | 46,945.26 | 46,814.74 | 93,760.00 | |
| W0603 | Pier Protection Concrete Block Type C Production & Laying | each | 160.00 | 14.6% | 61.5% | 23.8% | 50.0% | 50.0% | 2,880.00 | 67,482.93 | 283,478.72 | 109,838.35 | 230,463.11 | 230,336.89 | 460,800.00 | |
| W0611 | Stone Laying | m ³ | 403.50 | 9.9% | 14.5% | 75.6% | 47.7% | 52.3% | 400.00 | 15,945.94 | 23,451.12 | 122,002.94 | 76,984.73 | 84,415.27 | 161,400.00 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 681.80 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 14,863.24 | 0.00 | 10,404.27 | 4,458.97 | 14,863.24 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 50.0% | 50.0% | 0.00 | 1,074.66 | 3,223.99 | 6,447.98 | 5,373.32 | 5,373.32 | 10,746.63 | 1.0% |
| Total | | | | | | | | | 147,198.12 | 596,438.56 | 341,773.19 | 543,104.17 | 542,305.70 | 1,085,409.87 | | |
| Components (%) | | | | | | | | | 13.6% | 55.0% | 31.5% | 50.0% | 50.0% | 100.0% | | |
| Unit Rate | | | m ² | | | | | | 109.58 | 444.00 | 254.42 | 404.30 | 403.70 | 808.00 | | |

Miscellaneous covers the costs for bed preparation, extra earthworks, adjustment, etc.

SPL 407(5)b Pier Protection Concrete Blocks for Pangasinan Bridge Unit: 840.00 m²

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | | Amount | | | | | | Remarks |
|----------------|---|----------------|----------------|---------------|--------|--------|-------|-------|------------|----------------|------------|------------|------------|------------|------------|---------|
| | | | | Component (%) | | | | | Total (PP) | Component (PP) | | | | | Total (PP) | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0601 | Pier Protection Concrete Block Type A Production & Laying | each | 70.00 | 14.2% | 62.1% | 23.7% | 50.3% | 49.7% | 3,070.00 | 30,600.31 | 133,466.93 | 50,833.76 | 108,083.43 | 106,816.57 | 214,900.00 | |
| W0602 | Pier Protection Concrete Block Type B Production & Laying | each | 20.00 | 14.6% | 61.7% | 23.6% | 50.1% | 49.9% | 2,930.00 | 8,583.81 | 36,172.50 | 13,843.69 | 29,340.79 | 29,259.21 | 58,600.00 | |
| W0603 | Pier Protection Concrete Block Type C Production & Laying | each | 100.00 | 14.6% | 61.5% | 23.8% | 50.0% | 50.0% | 2,880.00 | 42,176.83 | 177,174.20 | 68,648.97 | 144,039.44 | 143,960.56 | 288,000.00 | |
| W0611 | Stone Laying | m ³ | 254.10 | 9.9% | 14.5% | 75.6% | 47.7% | 52.3% | 400.00 | 10,041.79 | 14,768.11 | 76,830.10 | 48,480.35 | 53,159.65 | 101,640.00 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 426.20 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 9,291.16 | 0.00 | 6,503.81 | 2,787.35 | 9,291.16 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 50.0% | 50.0% | 0.00 | 672.43 | 2,017.29 | 4,034.59 | 3,362.16 | 3,362.16 | 6,724.31 | 1.0% |
| Total | | | | | | | | | 92,075.17 | 372,889.19 | 214,191.11 | 339,809.97 | 339,345.60 | 679,155.47 | | |
| Components (%) | | | | | | | | | 13.6% | 54.9% | 31.5% | 50.0% | 50.0% | 100.0% | | |
| Unit Rate | | | m ² | | | | | | 109.68 | 444.18 | 255.14 | 404.78 | 404.22 | 809.00 | | |

Miscellaneous covers the costs for bed preparation, extra earthworks, adjustment, etc.

SPL 407(5)c Pier Protection Concrete Blocks for Talavera Bridge Unit: 896.00 m²

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | | Amount | | | | | | Remarks |
|----------------|---|----------------|----------------|---------------|--------|--------|-------|-------|------------|----------------|------------|------------|------------|------------|------------|---------|
| | | | | Component (%) | | | | | Total (PP) | Component (PP) | | | | | Total (PP) | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0601 | Pier Protection Concrete Block Type A Production & Laying | each | 24.00 | 14.2% | 62.1% | 23.7% | 50.3% | 49.7% | 3,070.00 | 10,491.53 | 45,759.75 | 17,428.72 | 37,057.18 | 36,622.82 | 73,680.00 | |
| W0602 | Pier Protection Concrete Block Type B Production & Laying | each | 104.00 | 14.6% | 61.7% | 23.6% | 50.1% | 49.9% | 2,930.00 | 44,635.63 | 188,096.99 | 71,987.18 | 152,572.09 | 152,147.91 | 304,720.00 | |
| W0603 | Pier Protection Concrete Block Type C Production & Laying | each | 88.00 | 14.6% | 61.5% | 23.8% | 50.0% | 50.0% | 2,880.00 | 37,115.61 | 155,913.30 | 60,411.09 | 126,754.71 | 126,685.29 | 253,440.00 | |
| W0611 | Stone Laying | m ³ | 262.80 | 9.9% | 14.5% | 75.6% | 47.7% | 52.3% | 400.00 | 10,385.61 | 15,273.74 | 79,460.65 | 50,140.24 | 54,979.76 | 105,120.00 | |
| M02011 | Structural Steel (Round Bar, SS400) | kg | 568.20 | 0.0% | 100.0% | 0.0% | 70.0% | 30.0% | 21.80 | 0.00 | 12,386.76 | 0.00 | 8,670.73 | 3,716.03 | 12,386.76 | |
| | Miscellaneous | LS | 1.00 | 10.0% | 30.0% | 60.0% | 50.0% | 50.0% | 0.00 | 749.35 | 2,248.04 | 4,496.08 | 3,746.73 | 3,746.73 | 7,493.47 | 1.0% |
| Total | | | | | | | | | 103,377.93 | 419,678.58 | 233,783.72 | 378,941.68 | 377,898.55 | 756,840.23 | | |
| Components (%) | | | | | | | | | 13.7% | 55.5% | 30.9% | 50.1% | 49.9% | 100.0% | | |
| Unit Rate | | | m ² | | | | | | 115.42 | 469.56 | 261.02 | 423.08 | 421.92 | 845.00 | | |

Miscellaneous covers the costs for bed preparation, extra earthworks, adjustment, etc.

SPL 420(1) Temporary Access Road Crossing Streams/Rivers

Unit: 1.00 L.S.

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|--|------|----------|---------------|-------|--------|-------|-------|------------|----------------|------------|------------|------------|------------|--------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0121 | Borrow Soil, transported | m3 | 3,097.20 | 6.7% | 23.0% | 70.3% | 47.8% | 52.2% | 181.00 | 37,467.83 | 128,923.72 | 394,201.65 | 267,802.68 | 292,790.52 | 560,593.20 | Loss 20.0% |
| W0149 | Filling, Laying & Compaction, bulldozer 21t | m3 | 2,581.00 | 1.5% | 8.2% | 90.3% | 54.4% | 45.6% | 56.00 | 2,168.04 | 11,851.95 | 130,516.01 | 78,630.87 | 65,905.13 | 144,536.00 | |
| W0332 | Precast Reinforced Concrete Pipe (Extra Strength 32MPa), fabrication φ610 (24") | m | 30.00 | 10.2% | 68.2% | 21.6% | 53.6% | 46.4% | 1,120.00 | 3,432.44 | 22,910.37 | 7,257.19 | 18,009.17 | 15,590.83 | 33,600.00 | |
| W0342 | Precast Concrete Pipe Laying φ610 (24") | m | 30.00 | 45.6% | 8.2% | 46.2% | 29.7% | 70.3% | 244.00 | 3,335.39 | 602.59 | 3,382.01 | 2,173.50 | 5,146.50 | 7,320.00 | |
| W0352 | Precast Concrete Pipe Removal φ610 (24") | m | 30.00 | 44.9% | 6.1% | 49.1% | 30.1% | 69.9% | 75.30 | 1,013.64 | 136.85 | 1,108.52 | 680.72 | 1,578.28 | 2,259.00 | |
| W0334 | Precast Reinforced Concrete Pipe (Extra Strength), fabrication φ910 (36") | m | 0.00 | 10.8% | 68.2% | 21.0% | 53.5% | 46.5% | 2,650.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0344 | Precast Concrete Pipe Laying φ910 (36") | m | 0.00 | 31.0% | 8.6% | 60.4% | 37.7% | 62.3% | 613.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0354 | Precast Concrete Pipe Removal φ910 (36") | m | 0.00 | 30.7% | 6.4% | 62.8% | 37.9% | 62.1% | 158.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0335 | Precast Reinforced Concrete Pipe (Extra Strength 32MPa), fabrication φ1070 (42") | m | 94.00 | 11.2% | 68.5% | 20.3% | 53.4% | 46.6% | 3,980.00 | 41,815.25 | 256,370.11 | 75,934.64 | 199,919.61 | 174,200.39 | 374,120.00 | |
| W0345 | Precast Concrete Pipe Laying φ1070 (42") | m | 94.00 | 31.4% | 8.6% | 60.0% | 37.4% | 62.6% | 690.00 | 17,427.53 | 4,766.55 | 33,265.91 | 20,757.97 | 34,702.03 | 55,460.00 | |
| W0355 | Precast Concrete Pipe Removal φ1070 (42") | m | 94.00 | 31.2% | 6.4% | 62.4% | 37.6% | 62.4% | 182.00 | 5,332.48 | 1,095.69 | 10,679.83 | 6,437.49 | 10,670.51 | 17,108.00 | |
| W0336 | Precast Reinforced Concrete Pipe (Extra Strength 32MPa), fabrication φ1220 (48") | m | 0.00 | 10.8% | 68.2% | 21.0% | 53.5% | 46.5% | 4,340.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0346 | Precast Concrete Pipe Laying φ1220 (48") | m | 0.00 | 31.2% | 8.6% | 60.2% | 37.6% | 62.4% | 661.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0356 | Precast Concrete Pipe Removal φ1220 (48") | m | 0.00 | 30.9% | 6.4% | 62.7% | 37.8% | 62.2% | 204.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0105 | Excavation, Backhoe 0.61m3 | m3 | 2,581.00 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 4,644.77 | 8,867.28 | 92,050.85 | 55,820.25 | 49,742.65 | 105,562.90 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 2,581.00 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 19,550.31 | 35,411.74 | 185,070.95 | 123,554.37 | 116,478.63 | 240,033.00 | |
| | Miscellaneous | L.S. | 1.00 | 15.0% | 40.0% | 45.0% | 50.0% | 50.0% | | 2,310.89 | 6,162.37 | 6,932.66 | 7,702.96 | 7,702.96 | 15,405.92 | 1.0% |
| | Total | | | | | | | | | 138,498.58 | 477,099.22 | 940,400.22 | 781,489.59 | 774,508.43 | 1,555,998.02 | |
| | Components (%) | | | | | | | | | 8.9% | 30.7% | 69.4% | 50.2% | 49.8% | 100.0% | |
| | Unit Rate | L.S. | | | | | | | | 138,854.79 | 478,326.31 | 942,818.90 | 783,499.56 | 776,500.44 | 1,560,000.00 | |

Miscellaneous covers the cost for temporary paving, maintenance, safety measures, etc.

SPL 420(2) Realignment of River/Stream

Unit: 1.00 L.S.

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------|---|------|----------|---------------|-------|--------|-------|-------|------------|----------------|----------|-----------|---------|-------|------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0105 | Excavation, Backhoe 0.61m3 | m3 | 0.00 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0121 | Borrow Soil, transported | m3 | 0.00 | 6.7% | 23.0% | 70.3% | 47.8% | 52.2% | 181.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Loss 20.0% |
| W0149 | Filling, Laying & Compaction, bulldozer 21t | m3 | 0.00 | 1.5% | 8.2% | 90.3% | 54.4% | 45.6% | 56.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0202 | Concrete (Class B, 17MPa, max agg. 50mm) | m3 | 0.00 | 3.0% | 75.9% | 21.1% | 56.1% | 43.9% | 1,390.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Loss 2.0% |
| W0235 | Concrete Pouring by Manpower for small structures | m3 | 0.00 | 98.0% | 0.2% | 1.8% | 1.1% | 98.9% | 224.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0236 | Concrete Curing (plain concrete) | m3 | 0.00 | 70.9% | 8.7% | 20.4% | 16.0% | 84.0% | 8.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0240 | Formwork (plain concrete 114m) | m2 | 0.00 | 58.9% | 40.4% | 0.8% | 2.9% | 97.1% | 222.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| W0741 | Grouted Riprap Class A | m3 | 0.00 | 15.4% | 62.5% | 22.0% | 48.1% | 51.9% | 755.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Miscellaneous | L.S. | 1.00 | 15.0% | 40.0% | 45.0% | 50.0% | 50.0% | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0% |
| | Total | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Components (%) | | | | | | | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| | Unit Rate | L.S. | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

Miscellaneous covers the cost for temporary shoring, revetment, maintenance, safety measures, etc.

SPL 420(3) False Works Required for Cantilever Construction for PC Box Girder (Angat River)

Unit: 1.00 L.S.

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|----------|---------------|-------|--------|-------|--------|------------|--------------|----------------|---------------|---------------|---------------|---------------|------------|---------|
| | | | | Component (%) | | | | | Labor | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | | Material | Equipment | Foreign | Local | | | |
| W0651 | Temporary Support at Pier Head For Cantilever Construction | v-m3 | 5.10 | 34.3% | 17.8% | 47.9% | 35.4% | 64.6% | 426.00 | 745.60 | 385.81 | 1,041.20 | 768.18 | 1,404.42 | 2,172.60 | | |
| W0652 | Temporary Bracket Support at Pier Head for Cantilever Construction | t | 299.20 | 24.4% | 44.6% | 31.0% | 39.2% | 60.8% | 7,840.00 | 571,320.06 | 1,046,188.85 | 728,239.09 | 919,258.08 | 1,426,469.92 | 2,345,728.00 | | |
| W0653 | Temporary External & Internal Support at Pier Head for Cantilever Construction | v-m3 | 1,293.20 | 29.2% | 30.0% | 40.8% | 37.5% | 62.5% | 172.00 | 64,889.39 | 66,813.69 | 90,727.32 | 83,394.92 | 139,835.48 | 222,430.40 | | |
| W0654 | Temporary Suspension Support at Center Connection for Cantilever Construction | t | 42.20 | 24.6% | 29.2% | 46.2% | 39.9% | 60.1% | 8,330.00 | 86,420.07 | 102,619.29 | 162,486.64 | 140,113.23 | 211,412.77 | 351,526.00 | | |
| W0655 | Temporary External & Internal Support at Center Connection for Cantilever Construction | v-m3 | 185.10 | 28.0% | 28.7% | 43.3% | 38.0% | 62.0% | 179.00 | 9,286.47 | 9,506.81 | 14,339.62 | 12,585.02 | 20,547.88 | 33,132.90 | | |
| W0656 | Temporary Frame Support at Side Span for Cantilever Construction | v-m3 | 3,622.50 | 21.4% | 40.6% | 38.0% | 41.2% | 58.8% | 93.90 | 72,641.60 | 138,142.18 | 129,368.96 | 140,247.72 | 199,905.03 | 340,152.75 | | |
| W0657 | Temporary External & Internal Support at Side Span for Cantilever Construction | v-m3 | 530.60 | 29.7% | 28.8% | 41.5% | 37.3% | 62.7% | 169.00 | 26,651.49 | 25,835.69 | 37,184.22 | 33,409.30 | 56,262.10 | 89,671.40 | | |
| W0661 | Assembly & Disassembly of Form Traveler | set | 12.00 | 23.4% | 17.7% | 58.9% | 41.0% | 59.0% | 335,000.00 | 939,626.63 | 713,336.13 | 2,367,037.24 | 1,648,909.10 | 2,371,090.90 | 4,020,000.00 | | |
| W0662 | Form Traveler Shifting | time | 96.00 | 78.7% | 12.8% | 8.5% | 10.6% | 89.4% | 2,080.00 | 157,228.35 | 25,470.99 | 16,980.66 | 21,225.83 | 178,454.17 | 199,680.00 | | |
| W0663 | Form Traveler Lifting | time | 96.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 4,980.00 | 478,080.00 | 0.00 | 0.00 | 0.00 | 478,080.00 | 478,080.00 | | |
| W0664 | Form Traveler Pulling Back | m | 376.00 | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 114.00 | 42,854.00 | 0.00 | 0.00 | 0.00 | 42,864.00 | 42,864.00 | | |
| Q1521-014 | PC Bridge Cantilever Construction Form Traveler, W≤14m | day | 1,393.00 | 0.0% | 0.0% | 100.0% | 60.9% | 39.1% | 16,700.00 | 0.00 | 0.00 | 23,263,100.00 | 14,178,100.34 | 9,084,999.66 | 23,263,100.00 | | |
| | Miscellaneous | LS | 1.00 | 5.0% | 40.0% | 55.0% | 50.0% | 50.0% | | 31,388.54 | 251,108.30 | 345,273.92 | 313,886.38 | 313,886.38 | 627,770.76 | 2.0% | |
| Total | | | | | | | | | | 2,481,142.20 | 2,379,387.74 | 27,155,778.87 | 17,491,897.11 | 14,524,411.70 | 32,016,308.81 | | |
| Components (%) | | | | | | | | | | 7.7% | 7.4% | 84.8% | 54.6% | 45.4% | 100.0% | | |
| Unit Rate | | | L.S. | | | | | | | 2,479,878.33 | 2,378,175.70 | 27,141,945.97 | 17,482,986.90 | 14,517,013.10 | 32,000,000.00 | | |

Miscellaneous covers the cost for the depreciation of minor tools and equipment, etc.

SPL 420(4)a Temporary Craneway for Angat Bridge Construction

Unit: 418.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|---|------|--------------|---------------|--------|--------|-------|-------|----------|------------|----------------|--------------|---------------|---------------|---------------|------------|---------|
| | | | | Component (%) | | | | | Labor | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | | Material | Equipment | Foreign | Local | | | |
| W0406 | H-Pile Driving for Temporary Access Bridge (Vibro Hammer) | m | 5,845.50 | 10.2% | 13.5% | 76.2% | 49.9% | 50.1% | 117.00 | 70,033.08 | 92,533.52 | 521,356.91 | 341,371.02 | 342,552.48 | 683,923.50 | | |
| W0407 | H-Pile Removal for Temporary Access Bridge (Vibro Hammer) | m | 5,845.50 | 10.2% | 13.5% | 76.4% | 49.9% | 50.1% | 102.00 | 60,641.88 | 80,248.54 | 455,350.58 | 297,778.41 | 298,462.59 | 596,241.00 | | |
| W0421 | Temporary Access Bridge Superstructure Installation | t | 568.60 | 21.6% | 8.0% | 70.4% | 43.3% | 56.7% | 1,450.00 | 177,894.68 | 65,878.30 | 580,697.02 | 357,244.16 | 467,225.84 | 824,470.00 | | |
| W0422 | Temporary Access Bridge Superstructure Removal | t | 568.60 | 23.1% | 8.2% | 68.7% | 42.5% | 57.5% | 1,010.00 | 132,517.40 | 47,294.66 | 394,473.94 | 244,055.85 | 330,230.15 | 574,286.00 | | |
| W0415 | Temporary Deck Plate Installation | m2 | 4,784.00 | 35.3% | 5.9% | 58.8% | 35.8% | 64.2% | 78.20 | 132,147.93 | 21,924.40 | 220,036.47 | 133,800.15 | 240,308.65 | 374,108.80 | | |
| W0416 | Temporary Deck Plate Removal | m2 | 4,784.00 | 35.3% | 5.9% | 58.8% | 35.8% | 64.2% | 42.70 | 72,106.02 | 11,976.17 | 120,194.61 | 73,088.14 | 131,188.66 | 204,276.80 | | |
| W0423 | Temporary Access Bridge Railing Installation | m | 1,196.00 | 36.1% | 6.8% | 57.1% | 35.3% | 64.7% | 106.00 | 45,797.19 | 8,583.31 | 72,396.50 | 44,737.98 | 82,038.02 | 126,776.00 | | |
| W0424 | Temporary Access Bridge Railing Removal | m | 1,196.00 | 38.1% | 5.4% | 56.5% | 34.2% | 65.8% | 56.90 | 25,914.49 | 3,679.21 | 38,458.70 | 23,289.73 | 44,762.67 | 68,052.40 | | |
| W05041 | Temporary Steel Shapes Depreciation | t-d | 624,576.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 31.30 | 0.00 | 19,549,228.80 | 0.00 | 9,774,614.40 | 9,774,614.40 | 19,549,228.80 | | |
| W05051 | Temporary Deck Plate Depreciation | m2-d | 2,298,320.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 11.10 | 0.00 | 25,489,152.00 | 0.00 | 12,744,576.00 | 12,744,576.00 | 25,489,152.00 | | |
| W05055 | Temporary Pipe Railing Depreciation | m-d | 574,080.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 1.33 | 0.00 | 763,526.40 | 0.00 | 381,763.20 | 381,763.20 | 763,526.40 | | |
| | Miscellaneous | LS | 1.00 | 15.0% | 40.0% | 45.0% | 55.0% | 45.0% | | 73,881.06 | 197,016.17 | 221,643.19 | 270,897.23 | 221,643.19 | 492,540.42 | 1.0% | |
| Total | | | | | | | | | | 790,933.73 | 46,331,041.47 | 2,624,608.92 | 24,687,216.28 | 25,059,365.83 | 49,746,582.12 | | |
| Components (%) | | | | | | | | | | 1.6% | 5.3% | 93.1% | 49.6% | 50.4% | 100.0% | | |
| Unit Rate | | | m | | | | | | | 1,907.91 | 111,760.94 | 6,331.15 | 59,551.15 | 60,448.85 | 120,000.00 | | |

Miscellaneous covers the costs for material haulage, maintenance, etc.

H-Pile = 7,794.0 m 732.6 t Pile Driving Length = 5,845.5 m
 Superstructure = 568.6 t Deck Plate = 4,784.0 m2
 Depreciation Period = 480 days Railing = 1,196.0 m

SPL 420(4)b Temporary Craneway for Pampanga Bridge Construction

Unit: 320.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|--------------|---------------|--------|--------|-------|-------|------------|----------------|---------------|--------------|---------------|---------------|---------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0406 | II-Pile Driving for Temporary Access Bridge (Vibro Hammer) | m | 3,290.60 | 10.2% | 13.5% | 76.2% | 49.9% | 50.1% | 117.00 | 39,423.63 | 52,089.78 | 293,486.79 | 192,167.56 | 192,832.64 | 385,000.20 | |
| W0407 | II-Pile Removal for Temporary Access Bridge (Vibro Hammer) | m | 3,290.60 | 10.2% | 13.5% | 76.4% | 49.9% | 50.1% | 102.00 | 34,137.06 | 45,174.21 | 256,329.93 | 167,628.03 | 168,013.17 | 335,641.20 | |
| W0421 | Temporary Access Bridge Superstructure Installation | t | 428.90 | 21.6% | 8.0% | 70.4% | 43.3% | 56.7% | 1,450.00 | 134,187.53 | 49,692.58 | 438,024.89 | 269,472.43 | 352,432.57 | 621,905.00 | |
| W0422 | Temporary Access Bridge Superstructure Removal | t | 428.90 | 23.1% | 8.2% | 68.7% | 42.5% | 57.5% | 1,010.00 | 99,959.04 | 35,674.78 | 297,555.18 | 184,093.49 | 249,095.51 | 433,189.00 | |
| W0415 | Temporary Deck Plate Installation | m2 | 3,470.00 | 35.3% | 5.9% | 58.8% | 35.8% | 64.2% | 78.20 | 95,851.45 | 15,902.52 | 159,600.03 | 97,049.86 | 174,304.14 | 271,354.00 | |
| W0416 | Temporary Deck Plate Removal | m2 | 3,470.00 | 35.3% | 5.9% | 58.8% | 35.8% | 64.2% | 42.70 | 52,300.98 | 8,686.73 | 87,181.29 | 53,013.35 | 95,155.66 | 148,169.00 | |
| W0423 | Temporary Access Bridge Railing Installation | m | 900.00 | 36.1% | 6.8% | 57.1% | 35.3% | 64.7% | 106.00 | 34,462.77 | 6,459.01 | 54,478.22 | 33,665.71 | 61,734.29 | 95,400.00 | |
| W0424 | Temporary Access Bridge Railing Removal | m | 900.00 | 38.1% | 5.4% | 56.5% | 34.2% | 65.8% | 56.90 | 19,500.87 | 2,768.64 | 28,940.49 | 17,525.72 | 33,684.28 | 51,210.00 | |
| M05041 | Temporary Steel Shapes Depreciation | t-d | 504,780.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 31.30 | 0.00 | 15,799,614.00 | 0.00 | 7,899,807.00 | 7,899,807.00 | 15,799,614.00 | |
| M05051 | Temporary Deck Plate Depreciation | m2-d | 2,082,000.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 11.10 | 0.00 | 23,110,200.00 | 0.00 | 11,555,100.00 | 11,555,100.00 | 23,110,200.00 | |
| M05055 | Temporary Pipe Railing Depreciation | m-d | 540,000.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 1.33 | 0.00 | 718,200.00 | 0.00 | 359,100.00 | 359,100.00 | 718,200.00 | |
| | Miscellaneous | LS | 1.00 | 15.0% | 40.0% | 45.0% | 55.0% | 45.0% | | 62,954.82 | 167,879.53 | 188,864.47 | 230,834.35 | 188,864.47 | 419,698.82 | 1.0% |
| Total | | | | | | | | | | 572,778.15 | 40,012,341.78 | 1,804,461.30 | 21,069,457.48 | 21,330,123.74 | 42,389,581.22 | |
| Components (%) | | | | | | | | | | 1.4% | 94.4% | 4.3% | 49.7% | 50.3% | 100.0% | |
| Unit Rate | | | | | | | | | | 1,783.62 | 124,697.34 | 5,619.04 | 65,578.58 | 66,421.42 | 132,000.00 | |

Miscellaneous covers the cost for material haulage, maintenance, etc.
 II-Pile = 3,387.5 m 412.4 t Pile Driving Length = 3,290.6 m
 Superstructure = 428.9 t Deck Plate = 3,470.0 m2
 Depreciation Period = 600 days Railing = 900.0 m

SPL 420(4)c Temporary Craneway for Talavera Bridge Construction

Unit: 80.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|------------|---------------|--------|--------|-------|-------|------------|----------------|--------------|------------|--------------|--------------|--------------|---------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0406 | II-Pile Driving for Temporary Access Bridge (Vibro Hammer) | m | 1,042.88 | 10.2% | 13.5% | 76.2% | 49.9% | 50.1% | 117.00 | 12,494.35 | 16,508.58 | 93,013.45 | 60,902.80 | 61,113.58 | 122,016.38 | |
| W0407 | II-Pile Removal for Temporary Access Bridge (Vibro Hammer) | m | 1,042.88 | 10.2% | 13.5% | 76.4% | 49.9% | 50.1% | 102.00 | 10,818.90 | 14,316.86 | 81,237.49 | 53,125.59 | 53,247.66 | 106,373.25 | |
| W0421 | Temporary Access Bridge Superstructure Installation | t | 126.00 | 21.6% | 8.0% | 70.4% | 43.3% | 56.7% | 1,450.00 | 39,422.41 | 14,598.98 | 128,685.54 | 79,167.20 | 103,539.73 | 182,706.93 | |
| W0422 | Temporary Access Bridge Superstructure Removal | t | 126.00 | 23.1% | 8.2% | 68.7% | 42.5% | 57.5% | 1,010.00 | 29,366.56 | 10,480.75 | 87,417.52 | 54,084.07 | 73,180.76 | 127,264.83 | |
| W0415 | Temporary Deck Plate Installation | m2 | 1,004.00 | 35.3% | 5.9% | 58.8% | 35.8% | 64.2% | 78.20 | 27,733.39 | 4,601.19 | 46,178.22 | 28,080.13 | 50,432.67 | 78,512.80 | |
| W0416 | Temporary Deck Plate Removal | m2 | 1,004.00 | 35.3% | 5.9% | 58.8% | 35.8% | 64.2% | 42.70 | 15,132.62 | 2,513.39 | 25,224.79 | 15,338.73 | 27,532.07 | 42,870.80 | |
| W0423 | Temporary Access Bridge Railing Installation | m | 264.00 | 36.1% | 6.8% | 57.1% | 35.3% | 64.7% | 106.00 | 10,109.08 | 1,894.64 | 15,980.28 | 9,875.27 | 18,108.73 | 27,984.00 | |
| W0424 | Temporary Access Bridge Railing Removal | m | 264.00 | 38.1% | 5.4% | 56.5% | 34.2% | 65.8% | 56.90 | 5,720.26 | 812.13 | 8,489.21 | 5,140.88 | 9,880.72 | 15,021.60 | |
| M05041 | Temporary Steel Shapes Depreciation | t-d | 100,117.59 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 31.30 | 0.00 | 3,133,680.57 | 0.00 | 1,566,840.29 | 1,566,840.29 | 3,133,680.57 | |
| M05051 | Temporary Deck Plate Depreciation | m2-d | 391,560.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 11.10 | 0.00 | 4,346,316.00 | 0.00 | 2,173,158.00 | 2,173,158.00 | 4,346,316.00 | |
| M05055 | Temporary Pipe Railing Depreciation | m-d | 102,960.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 1.33 | 0.00 | 136,936.80 | 0.00 | 68,468.40 | 68,468.40 | 136,936.80 | |
| | Miscellaneous | LS | 1.00 | 15.0% | 40.0% | 45.0% | 55.0% | 45.0% | | 12,479.53 | 33,278.74 | 37,438.58 | 45,758.26 | 37,438.58 | 83,196.84 | 1.0% |
| Total | | | | | | | | | | 163,277.09 | 7,715,938.63 | 523,665.08 | 4,159,939.63 | 4,242,941.17 | 8,402,880.80 | |
| Components (%) | | | | | | | | | | 1.9% | 91.8% | 6.2% | 49.5% | 50.5% | 100.0% | |
| Unit Rate | | | | | | | | | | 2,040.26 | 96,416.17 | 6,543.57 | 51,981.42 | 53,018.58 | 105,000.00 | |

Miscellaneous covers the cost for material haulage, maintenance, etc.
 II-Pile = 1,390.5 m 130.7 t Pile Driving Length = 1,042.9 m
 Superstructure = 126.0 t Deck Plate = 1,004.0 m2
 Depreciation Period = 390 days Railing = 264.0 m

SPL 420(5)a Temporary Access Road (Causeway) for Angat Bridge Construction

Unit: 710.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------|---|------|-----------|---------------|-------|--------|-------|-------|------------|----------------|------------|--------------|--------------|--------------|--------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| W0121 | Borrow Soil, transported | m3 | 14,179.50 | 6.7% | 23.0% | 70.3% | 47.8% | 52.2% | 181.00 | 171,534.00 | 590,234.37 | 1,804,721.13 | 1,226,045.47 | 1,340,444.03 | 2,566,489.50 | Loss 15.0% |
| W0149 | Filling, Laying & Compaction, bulldozer 2lt | m3 | 12,330.00 | 1.5% | 8.2% | 90.3% | 54.4% | 45.6% | 56.00 | 10,357.20 | 56,619.36 | 623,503.44 | 375,636.84 | 314,843.16 | 690,480.00 | |
| W0122 | Crushed Aggregate, transported | m3 | 1,339.75 | 9.2% | 15.7% | 75.1% | 47.3% | 52.7% | 277.00 | 33,986.19 | 58,286.12 | 278,838.44 | 175,464.56 | 195,646.19 | 371,110.75 | Loss 15.0% |
| W0149 | Filling, Laying & Compaction, bulldozer 2lt | m3 | 1,185.00 | 1.5% | 8.2% | 90.3% | 54.4% | 45.6% | 56.00 | 978.60 | 6,349.68 | 58,911.72 | 35,492.05 | 29,747.95 | 65,240.00 | |
| W0105 | Excavation, Backhoe 0.61m3 | m3 | 13,495.00 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 24,285.60 | 46,363.42 | 481,296.48 | 291,861.38 | 260,084.12 | 551,945.50 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 13,495.00 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 102,220.65 | 185,153.57 | 967,660.78 | 646,015.58 | 609,019.42 | 1,255,035.00 | |
| | Miscellaneous | LS | 1.00 | 15.0% | 40.0% | 45.0% | 45.0% | 55.0% | | 8,250.45 | 22,001.20 | 24,751.35 | 24,751.35 | 30,251.65 | 55,003.01 | 1.0% |
| | Total | | | | | | | | | 351,612.70 | 964,007.73 | 4,239,683.34 | 2,775,267.23 | 2,780,036.53 | 5,555,303.76 | |
| | Components (%) | | | | | | | | | 6.3% | 17.4% | 76.3% | 50.0% | 50.0% | 100.0% | |
| | Unit Rate | m | | | | | | | | 494.95 | 1,357.00 | 5,968.05 | 3,906.64 | 3,913.36 | 7,820.00 | |

Miscellaneous covers the costs for maintenance works, minor works, etc.

SPL 420(5)b Temporary Access Road (Causeway) for Pampanga Bridge Construction

Unit: 880.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------|---|------|-----------|---------------|-------|--------|-------|-------|------------|----------------|------------|--------------|--------------|--------------|--------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| W0121 | Borrow Soil, transported | m3 | 14,099.00 | 6.7% | 23.0% | 70.3% | 47.8% | 52.2% | 181.00 | 170,560.17 | 586,883.49 | 1,794,475.35 | 1,219,084.95 | 1,332,834.05 | 2,551,919.00 | Loss 15.0% |
| W0149 | Filling, Laying & Compaction, bulldozer 2lt | m3 | 12,260.00 | 1.5% | 8.2% | 90.3% | 54.4% | 45.6% | 56.00 | 10,298.40 | 56,297.92 | 619,963.68 | 373,504.27 | 313,055.73 | 686,560.00 | |
| W0122 | Crushed Aggregate, transported | m3 | 1,680.60 | 9.2% | 15.7% | 75.1% | 47.3% | 52.7% | 277.00 | 42,125.38 | 72,244.77 | 345,616.05 | 217,485.69 | 242,500.51 | 459,986.20 | Loss 15.0% |
| W0149 | Filling, Laying & Compaction, bulldozer 2lt | m3 | 1,444.00 | 1.5% | 8.2% | 90.3% | 54.4% | 45.6% | 56.00 | 1,212.96 | 6,630.85 | 73,020.19 | 43,991.86 | 36,872.14 | 80,864.00 | |
| W0105 | Excavation, Backhoe 0.61m3 | m3 | 13,704.00 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 24,661.72 | 47,081.46 | 488,750.42 | 296,381.50 | 264,112.10 | 580,493.60 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 13,704.00 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 103,803.76 | 188,021.08 | 982,647.15 | 656,020.56 | 618,451.44 | 1,274,472.00 | |
| | Miscellaneous | LS | 1.00 | 15.0% | 40.0% | 45.0% | 45.0% | 55.0% | | 8,421.44 | 22,457.18 | 25,264.33 | 25,264.33 | 30,878.62 | 56,142.95 | 1.0% |
| | Total | | | | | | | | | 361,083.82 | 979,616.75 | 4,328,737.17 | 2,831,733.16 | 2,838,704.59 | 5,670,437.75 | |
| | Components (%) | | | | | | | | | 6.4% | 17.3% | 76.4% | 49.9% | 50.1% | 100.0% | |
| | Unit Rate | m | | | | | | | | 410.09 | 1,112.57 | 4,917.35 | 3,216.04 | 3,223.96 | 6,440.00 | |

Miscellaneous covers the costs for maintenance works, minor works, etc.

SPL 420(5)c Temporary Access Road (Causeway) for Talavera Bridge Construction

Unit: 300.00 m

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Remarks | |
|----------|---|------|----------|---------------|-------|--------|-------|-------|------------|----------------|------------|--------------|--------------|--------------|--------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | Total (PP) |
| W0121 | Borrow Soil, transported | m3 | 7,762.50 | 6.7% | 23.0% | 70.3% | 47.8% | 52.2% | 181.00 | 93,905.47 | 323,121.01 | 987,986.02 | 671,192.78 | 733,819.72 | 1,405,012.50 | Loss 15.0% |
| W0149 | Filling, Laying & Compaction, bulldozer 2lt | m3 | 6,750.00 | 1.5% | 8.2% | 90.3% | 54.4% | 45.6% | 56.00 | 5,670.00 | 30,996.00 | 341,334.00 | 205,640.61 | 172,359.39 | 378,000.00 | |
| W0122 | Crushed Aggregate, transported | m3 | 565.80 | 9.2% | 15.7% | 75.1% | 47.3% | 52.7% | 277.00 | 14,352.97 | 24,615.25 | 117,758.38 | 74,101.77 | 82,624.83 | 156,726.60 | Loss 15.0% |
| W0149 | Filling, Laying & Compaction, bulldozer 2lt | m3 | 492.00 | 1.5% | 8.2% | 90.3% | 54.4% | 45.6% | 56.00 | 413.28 | 2,259.26 | 24,879.46 | 14,988.92 | 12,563.08 | 27,552.00 | |
| W0105 | Excavation, Backhoe 0.61m3 | m3 | 7,242.00 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 13,032.70 | 24,880.62 | 258,284.48 | 156,625.42 | 139,572.38 | 296,197.80 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 7,242.00 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 54,856.02 | 99,361.41 | 519,288.58 | 346,679.87 | 326,826.13 | 673,506.00 | |
| | Miscellaneous | LS | 1.00 | 15.0% | 40.0% | 45.0% | 45.0% | 55.0% | | 4,405.49 | 11,747.98 | 13,216.48 | 13,216.48 | 16,153.47 | 29,369.95 | 1.0% |
| | Total | | | | | | | | | 186,635.93 | 516,981.52 | 2,262,747.39 | 1,482,445.84 | 1,483,919.01 | 2,966,364.85 | |
| | Components (%) | | | | | | | | | 5.3% | 17.4% | 76.3% | 50.0% | 50.0% | 100.0% | |
| | Unit Rate | m | | | | | | | | 622.25 | 1,723.64 | 7,544.11 | 4,942.54 | 4,947.46 | 9,890.00 | |

Miscellaneous covers the costs for maintenance works, minor works, etc.

SPL 420(6)a Temporary Cofferdam for Pier Construction (Angat Bridge Type 1)

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|-----------|---------------|--------|--------|-------|-------|------------|----------------|--------------|--------------|--------------|--------------|--------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0451 | Temporary Sheet Pile Driving for cofferdam, (Vibro Hammer) | m | 3,494.00 | 9.6% | 14.8% | 75.6% | 50.4% | 49.6% | 126.00 | 42,264.99 | 65,160.57 | 332,818.44 | 221,919.43 | 218,324.57 | 440,244.00 | |
| W0452 | Temporary Sheet Pile Removal for cofferdam, (Vibro Hammer) | m | 3,494.00 | 9.6% | 14.8% | 75.6% | 50.4% | 49.6% | 77.70 | 26,116.95 | 40,257.76 | 205,109.09 | 136,830.69 | 134,653.11 | 271,483.80 | |
| W0455 | H-Pile Driving for Temporary Access Bridge (Vibro Hammer) | m | 124.00 | 9.6% | 14.9% | 75.5% | 50.4% | 49.6% | 149.00 | 1,781.61 | 2,746.21 | 13,948.18 | 9,310.55 | 9,165.45 | 18,476.00 | |
| W0456 | H-Pile Removal for Temporary Access Bridge (Vibro Hammer) | m | 124.00 | 9.7% | 14.9% | 75.4% | 50.4% | 49.6% | 85.70 | 1,027.70 | 1,583.77 | 8,015.33 | 5,354.03 | 5,272.77 | 10,626.80 | |
| W0413 | Temporary Struts & Tie Rod Installation | t | 61.60 | 31.0% | 11.1% | 58.0% | 38.4% | 61.6% | 4,210.00 | 80,347.23 | 28,691.52 | 150,297.25 | 99,515.99 | 159,820.01 | 259,336.00 | |
| W0414 | Temporary Struts & Supports Removal | t | 61.60 | 28.8% | 9.4% | 61.7% | 39.3% | 60.7% | 2,120.00 | 37,658.24 | 12,296.08 | 80,637.68 | 51,358.59 | 79,233.41 | 130,592.00 | |
| W0423 | Temporary Access Bridge Railing Installation | m | 49.20 | 36.1% | 6.8% | 57.1% | 36.3% | 64.7% | 106.00 | 1,883.96 | 353.09 | 2,978.14 | 1,840.39 | 3,374.81 | 5,215.20 | |
| W0424 | Temporary Access Bridge Railing Removal | m | 49.20 | 38.1% | 5.4% | 56.5% | 34.2% | 65.8% | 56.90 | 1,066.05 | 151.35 | 1,582.08 | 968.07 | 1,841.41 | 2,799.48 | |
| M05031 | Temporary Sheet Pile Depreciation | t-d | 20,045.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 33.30 | 0.00 | 667,498.50 | 0.00 | 333,749.25 | 333,749.25 | 667,498.50 | |
| M05041 | Temporary Steel Shapes Depreciation | t-d | 4,551.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 31.30 | 0.00 | 142,446.30 | 0.00 | 71,223.15 | 71,223.15 | 142,446.30 | |
| M05055 | Temporary Pipe Railing Depreciation | m-d | 4,200.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 1.33 | 0.00 | 5,586.00 | 0.00 | 2,793.00 | 2,793.00 | 5,586.00 | |
| W0431 | Temporary Drain Pump Installation & Removal | set | 1.00 | 46.2% | 7.1% | 46.6% | 29.9% | 70.1% | 2,880.00 | 1,331.63 | 205.57 | 1,342.80 | 862.27 | 2,017.73 | 2,880.00 | |
| W0432 | Temporary Drain Pump Operation | day | 60.00 | 8.2% | 20.8% | 71.1% | 51.3% | 48.7% | 1,190.00 | 5,820.48 | 14,816.08 | 50,763.44 | 36,657.89 | 34,742.11 | 71,400.00 | |
| W0121 | Borrow Soil, transported | m3 | 671.88 | 6.7% | 23.0% | 70.3% | 47.8% | 52.2% | 181.00 | 8,127.95 | 27,967.61 | 85,514.72 | 58,094.82 | 63,515.46 | 121,610.28 | Loss 10.0% |
| W0131 | Backfill A | m3 | 610.80 | 3.5% | 8.0% | 88.4% | 53.3% | 46.7% | 88.80 | 1,924.75 | 4,358.18 | 47,956.11 | 28,911.88 | 25,327.16 | 54,239.04 | |
| W0105 | Excavation, Backhoe 0.6m3 | m3 | 610.80 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 1,099.20 | 2,098.46 | 21,784.06 | 13,210.00 | 11,771.72 | 24,981.72 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 610.80 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 4,626.63 | 8,380.27 | 43,797.50 | 26,239.45 | 27,564.95 | 55,804.40 | |
| | Miscellaneous | LS | 1.00 | 15.0% | 40.0% | 45.0% | 50.0% | 50.0% | | 3,429.33 | 9,144.88 | 10,287.99 | 11,431.10 | 11,431.10 | 22,862.20 | 1.0% |
| Total | | | | | | | | | | 218,506.70 | 1,033,742.20 | 1,956,832.82 | 1,113,260.55 | 1,195,821.17 | 2,309,081.72 | |
| Components (%) | | | | | | | | | | 9.5% | 44.8% | 45.8% | 48.2% | 51.6% | 100.0% | |
| Unit Rate | | | each | | | | | | | 218,593.60 | 1,034,153.30 | 1,957,253.10 | 1,113,703.28 | 1,196,296.72 | 2,310,600.00 | |

Miscellaneous covers the costs for maintenance works, minor works, etc.

SPL 420(6)b Temporary Cofferdam for Pier Construction (Angat Bridge Type 2)

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|-----------|---------------|--------|--------|-------|-------|------------|----------------|--------------|--------------|--------------|--------------|--------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0451 | Temporary Sheet Pile Driving for cofferdam, (Vibro Hammer) | m | 5,020.00 | 9.6% | 14.8% | 75.6% | 50.4% | 49.6% | 126.00 | 60,724.17 | 93,619.36 | 478,176.47 | 318,842.46 | 313,677.54 | 632,520.00 | |
| W0452 | Temporary Sheet Pile Removal for cofferdam, (Vibro Hammer) | m | 5,020.00 | 9.6% | 14.8% | 75.6% | 50.4% | 49.6% | 77.70 | 37,523.50 | 57,840.28 | 294,690.23 | 196,591.32 | 193,462.68 | 390,054.00 | |
| W0455 | H-Pile Driving for Temporary Access Bridge (Vibro Hammer) | m | 124.00 | 9.6% | 14.9% | 75.5% | 50.4% | 49.6% | 149.00 | 1,781.61 | 2,746.21 | 13,948.18 | 9,310.55 | 9,165.45 | 18,476.00 | |
| W0456 | H-Pile Removal for Temporary Access Bridge (Vibro Hammer) | m | 124.00 | 9.7% | 14.9% | 75.4% | 50.4% | 49.6% | 85.70 | 1,027.70 | 1,583.77 | 8,015.33 | 5,354.03 | 5,272.77 | 10,626.80 | |
| W0413 | Temporary Struts & Tie Rod Installation | t | 86.00 | 31.0% | 11.1% | 58.0% | 38.4% | 61.6% | 4,210.00 | 112,173.09 | 40,956.34 | 209,830.57 | 138,934.67 | 223,125.33 | 362,050.00 | |
| W0414 | Temporary Struts & Supports Removal | t | 86.00 | 28.8% | 9.4% | 61.7% | 39.3% | 60.7% | 2,120.00 | 52,574.81 | 17,166.60 | 112,578.58 | 71,701.93 | 110,618.07 | 182,320.00 | |
| W0423 | Temporary Access Bridge Railing Installation | m | 52.80 | 36.1% | 6.8% | 57.1% | 35.3% | 64.7% | 106.00 | 2,021.82 | 378.93 | 3,196.06 | 1,975.05 | 3,621.75 | 5,596.80 | |
| W0424 | Temporary Access Bridge Railing Removal | m | 52.80 | 38.1% | 5.4% | 56.5% | 34.2% | 65.8% | 56.90 | 1,144.05 | 162.43 | 1,697.81 | 1,028.18 | 1,976.14 | 3,004.32 | |
| M05031 | Temporary Sheet Pile Depreciation | t-d | 22,921.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 33.30 | 0.00 | 763,269.30 | 0.00 | 381,634.65 | 381,634.65 | 763,269.30 | |
| M05041 | Temporary Steel Shapes Depreciation | t-d | 6,019.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 31.30 | 0.00 | 188,394.70 | 0.00 | 94,197.35 | 94,197.35 | 188,394.70 | |
| M05055 | Temporary Pipe Railing Depreciation | m-d | 3,168.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 1.33 | 0.00 | 4,213.44 | 0.00 | 2,106.72 | 2,106.72 | 4,213.44 | |
| W0431 | Temporary Drain Pump Installation & Removal | set | 1.00 | 46.2% | 7.1% | 46.6% | 29.9% | 70.1% | 2,880.00 | 1,331.63 | 205.57 | 1,342.80 | 862.27 | 2,017.73 | 2,880.00 | |
| W0432 | Temporary Drain Pump Operation | day | 60.00 | 8.2% | 20.8% | 71.1% | 51.3% | 48.7% | 1,190.00 | 5,820.48 | 14,816.08 | 50,763.44 | 36,657.89 | 34,742.11 | 71,400.00 | |
| W0121 | Borrow Soil, transported | m3 | 770.88 | 6.7% | 23.0% | 70.3% | 47.8% | 52.2% | 181.00 | 9,325.58 | 32,088.57 | 98,115.13 | 66,654.95 | 72,874.33 | 139,529.28 | Loss 10.0% |
| W0131 | Backfill A | m3 | 700.80 | 3.5% | 8.0% | 88.4% | 53.3% | 46.7% | 88.80 | 2,208.36 | 5,000.35 | 55,022.33 | 33,171.98 | 29,059.06 | 62,231.04 | |
| W0105 | Excavation, Backhoe 0.6m3 | m3 | 700.80 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 1,261.16 | 2,407.67 | 24,993.89 | 15,156.46 | 13,506.26 | 28,662.72 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 700.80 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 5,308.35 | 9,615.09 | 50,250.96 | 33,547.81 | 31,626.59 | 65,174.40 | |
| | Miscellaneous | LS | 1.00 | 15.0% | 40.0% | 45.0% | 50.0% | 50.0% | | 4,395.82 | 11,721.65 | 13,186.86 | 14,652.06 | 14,652.06 | 29,304.13 | 1.0% |
| Total | | | | | | | | | | 298,621.93 | 1,245,286.33 | 1,415,808.67 | 1,422,380.34 | 1,537,336.59 | 2,959,716.93 | |
| Components (%) | | | | | | | | | | 10.1% | 42.1% | 47.8% | 48.1% | 51.9% | 100.0% | |
| Unit Rate | | | each | | | | | | | 298,650.49 | 1,245,406.43 | 1,415,944.08 | 1,422,516.37 | 1,537,483.63 | 2,960,000.00 | |

Miscellaneous covers the costs for maintenance works, minor works, etc.

SPL 420(6)c Temporary Cofferdam for Pier Construction (Pampanga Bridge)

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|-----------|---------------|--------|--------|-------|-------|------------|----------------|------------|--------------|--------------|--------------|--------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0451 | Temporary Sheet Pile Driving for cofferdam, (Vibro Hammer) | m | 3,852.00 | 9.6% | 14.8% | 75.6% | 50.4% | 49.6% | 126.00 | 46,595.52 | 71,837.01 | 366,919.47 | 244,657.60 | 240,694.40 | 485,352.00 | |
| W0452 | Temporary Sheet Pile Removal for cofferdam, (Vibro Hammer) | m | 3,852.00 | 9.6% | 14.8% | 75.6% | 50.4% | 49.6% | 77.70 | 28,792.93 | 44,382.62 | 226,124.85 | 150,850.55 | 148,449.85 | 299,300.40 | |
| W0455 | H-Pile Driving for Temporary Access Bridge (Vibro Hammer) | m | 92.00 | 9.6% | 14.9% | 75.5% | 50.4% | 49.8% | 149.00 | 1,321.84 | 2,037.51 | 10,348.65 | 6,907.82 | 6,800.18 | 13,708.00 | |
| W0456 | H-Pile Removal for Temporary Access Bridge (Vibro Hammer) | m | 92.00 | 9.7% | 14.9% | 75.4% | 50.4% | 49.6% | 85.70 | 762.49 | 1,175.05 | 5,946.86 | 3,972.36 | 3,912.05 | 7,884.40 | |
| W0413 | Temporary Struts & Tie Rod Installation | t | 69.50 | 31.0% | 11.1% | 58.0% | 38.4% | 61.6% | 4,210.00 | 90,851.50 | 32,371.11 | 169,572.38 | 112,278.60 | 180,316.40 | 292,595.00 | |
| W0414 | Temporary Struts & Supports Removal | t | 69.50 | 28.8% | 9.4% | 61.7% | 39.3% | 60.7% | 2,120.00 | 42,487.79 | 13,873.01 | 90,979.20 | 57,945.16 | 89,394.84 | 147,340.00 | |
| W0423 | Temporary Access Bridge Railing Installation | m | 52.80 | 36.1% | 6.8% | 57.1% | 35.3% | 64.7% | 106.00 | 2,021.82 | 378.93 | 3,196.06 | 1,975.05 | 3,621.75 | 5,596.80 | |
| W0424 | Temporary Access Bridge Railing Removal | m | 52.80 | 38.1% | 5.4% | 56.5% | 34.2% | 65.8% | 56.90 | 1,144.05 | 162.43 | 1,697.84 | 1,028.18 | 1,978.14 | 3,084.32 | |
| M05031 | Temporary Sheet Pile Depreciation | t-d | 17,588.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 33.30 | 0.00 | 585,680.40 | 0.00 | 292,840.20 | 292,840.20 | 585,680.40 | |
| M05041 | Temporary Steel Shapes Depreciation | t-d | 4,845.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 31.30 | 0.00 | 151,648.50 | 0.00 | 75,824.25 | 75,824.25 | 151,648.50 | |
| M05055 | Temporary Pipe Railing Depreciation | m-d | 3,168.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 1.33 | 0.00 | 4,213.44 | 0.00 | 2,106.72 | 2,106.72 | 4,213.44 | |
| W0431 | Temporary Drain Pump Installation & Removal | set | 1.00 | 46.2% | 7.1% | 46.6% | 29.9% | 70.1% | 2,880.00 | 1,331.63 | 205.57 | 1,342.80 | 862.27 | 2,017.73 | 2,880.00 | |
| W0432 | Temporary Drain Pump Operation | day | 60.00 | 8.2% | 20.8% | 71.1% | 51.3% | 48.7% | 1,190.00 | 5,820.48 | 14,816.08 | 50,763.44 | 36,657.89 | 34,742.11 | 71,400.00 | |
| W0121 | Borrow Soil, transported | m3 | 818.40 | 6.7% | 23.0% | 70.3% | 47.8% | 52.2% | 181.00 | 9,900.45 | 34,066.63 | 104,163.32 | 70,763.82 | 77,366.58 | 148,130.40 | Loss 10.0% |
| W0131 | Backfill A | m3 | 744.00 | 3.5% | 8.0% | 88.4% | 53.3% | 46.7% | 88.80 | 2,344.49 | 5,308.59 | 58,414.12 | 35,216.83 | 30,850.37 | 66,067.20 | |
| W0105 | Excavation, Backhoe 0.61m3 | m3 | 744.00 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 1,338.90 | 2,656.09 | 26,534.61 | 16,090.76 | 14,338.84 | 30,429.60 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 744.00 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 5,635.58 | 10,207.80 | 53,348.62 | 35,615.83 | 33,576.17 | 69,192.00 | |
| | Miscellaneous | LS | 1.00 | 15.0% | 40.0% | 45.0% | 50.0% | 50.0% | | 3,576.63 | 9,537.69 | 10,729.90 | 11,922.11 | 11,922.11 | 23,844.22 | 1.0% |
| Total | | | | | | | | | | 243,726.10 | 984,458.46 | 1,180,082.11 | 1,157,516.00 | 1,250,750.69 | 2,408,266.68 | |
| Components (%) | | | | | | | | | | 10.1% | 40.9% | 49.0% | 48.1% | 51.9% | 100.0% | |
| Unit Rate | | | each | | | | | | | 243,901.52 | 985,167.01 | 1,180,931.47 | 1,158,349.10 | 1,251,650.90 | 2,410,000.00 | |

Miscellaneous covers the costs for maintenance works, minor works, etc.

SPL 420(6)d Temporary Cofferdam for Pier Construction (Talavera Bridge)

Unit: 1.00 each

| Item No. | Description | Unit | Quantity | Unit Rate | | | | | Total (PP) | Amount | | | | | Total (PP) | Remarks |
|----------------|--|------|-----------|---------------|--------|--------|-------|-------|------------|----------------|------------|------------|------------|------------|--------------|------------|
| | | | | Component (%) | | | | | | Component (PP) | | | | | | |
| | | | | Lab. | Mat. | Equip. | For. | Local | | Labor | Material | Equipment | Foreign | Local | | |
| W0451 | Temporary Sheet Pile Driving for cofferdam, (Vibro Hammer) | m | 2,470.00 | 9.6% | 14.8% | 75.6% | 50.4% | 49.6% | 126.00 | 29,878.23 | 46,063.71 | 235,278.06 | 156,880.65 | 154,339.35 | 311,220.00 | |
| W0452 | Temporary Sheet Pile Removal for cofferdam, (Vibro Hammer) | m | 2,470.00 | 9.6% | 14.8% | 75.6% | 50.4% | 49.6% | 77.70 | 18,462.76 | 28,469.26 | 144,996.98 | 96,729.19 | 95,189.81 | 191,919.00 | |
| W0455 | H-Pile Driving for Temporary Access Bridge (Vibro Hammer) | m | 92.00 | 9.6% | 14.9% | 75.5% | 50.4% | 49.6% | 149.00 | 1,321.84 | 2,037.51 | 10,348.65 | 6,907.82 | 6,800.18 | 13,708.00 | |
| W0456 | H-Pile Removal for Temporary Access Bridge (Vibro Hammer) | m | 92.00 | 9.7% | 14.9% | 75.4% | 50.4% | 49.6% | 85.70 | 762.49 | 1,175.05 | 5,946.86 | 3,972.35 | 3,912.05 | 7,884.40 | |
| W0413 | Temporary Struts & Tie Rod Installation | t | 37.40 | 31.0% | 11.1% | 58.0% | 38.4% | 61.6% | 4,210.00 | 48,782.25 | 17,419.85 | 91,251.90 | 60,420.42 | 97,033.58 | 157,454.00 | |
| W0414 | Temporary Struts & Supports Removal | t | 37.40 | 28.8% | 9.4% | 61.7% | 39.3% | 60.7% | 2,120.00 | 22,863.93 | 7,465.48 | 48,968.59 | 31,182.00 | 48,106.00 | 79,288.00 | |
| W0423 | Temporary Access Bridge Railing Installation | m | 49.10 | 36.1% | 6.8% | 57.1% | 35.3% | 64.7% | 106.00 | 1,880.14 | 352.38 | 2,972.09 | 1,836.65 | 3,367.95 | 5,204.60 | |
| W0424 | Temporary Access Bridge Railing Removal | m | 49.10 | 38.1% | 5.4% | 56.5% | 34.2% | 65.8% | 56.90 | 1,063.88 | 151.04 | 1,578.86 | 956.13 | 1,837.66 | 2,793.79 | |
| M05031 | Temporary Sheet Pile Depreciation | t-d | 15,369.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 33.30 | 0.00 | 511,787.70 | 0.00 | 255,893.85 | 255,893.85 | 511,787.70 | |
| M05041 | Temporary Steel Shapes Depreciation | t-d | 2,918.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 31.30 | 0.00 | 91,333.40 | 0.00 | 45,666.70 | 45,666.70 | 91,333.40 | |
| M05055 | Temporary Pipe Railing Depreciation | m-d | 2,943.00 | 0.0% | 100.0% | 0.0% | 50.0% | 50.0% | 1.33 | 0.00 | 3,914.19 | 0.00 | 1,957.10 | 1,957.10 | 3,914.19 | |
| W0431 | Temporary Drain Pump Installation & Removal | set | 1.00 | 46.2% | 7.1% | 46.6% | 29.9% | 70.1% | 2,880.00 | 1,331.63 | 205.57 | 1,342.80 | 862.27 | 2,017.73 | 2,880.00 | |
| W0432 | Temporary Drain Pump Operation | day | 60.00 | 8.2% | 20.8% | 71.1% | 51.3% | 48.7% | 1,190.00 | 5,820.48 | 14,816.08 | 50,763.44 | 36,657.89 | 34,742.11 | 71,400.00 | |
| W0121 | Borrow Soil, transported | m3 | 587.95 | 6.7% | 23.0% | 70.3% | 47.8% | 52.2% | 181.00 | 7,112.62 | 24,473.94 | 74,832.38 | 50,837.72 | 55,581.23 | 106,418.95 | Loss 10.0% |
| W0131 | Backfill A | m3 | 534.50 | 3.5% | 8.0% | 88.4% | 53.3% | 46.7% | 88.80 | 1,684.32 | 3,813.76 | 41,965.52 | 25,300.26 | 22,163.34 | 47,463.60 | |
| W0105 | Excavation, Backhoe 0.61m3 | m3 | 534.50 | 4.4% | 8.4% | 87.2% | 52.9% | 47.1% | 40.90 | 961.89 | 1,836.33 | 19,062.84 | 11,559.83 | 10,301.22 | 21,881.05 | |
| W0111 | Disposal of Surplus Soil (backhoe loading) | m3 | 534.50 | 8.1% | 14.8% | 77.1% | 51.5% | 48.5% | 93.00 | 4,048.68 | 7,333.43 | 38,326.39 | 25,586.91 | 24,121.59 | 49,708.50 | |
| | Miscellaneous | LS | 1.00 | 15.0% | 40.0% | 46.0% | 50.0% | 50.0% | | 2,514.36 | 6,704.96 | 7,543.08 | 8,381.20 | 8,381.20 | 16,762.39 | 1.0% |
| Total | | | | | | | | | | 148,489.48 | 769,343.84 | 775,168.45 | 821,588.94 | 871,412.63 | 1,693,001.57 | |
| Components (%) | | | | | | | | | | 8.8% | 45.4% | 45.8% | 48.5% | 51.5% | 100.0% | |
| Unit Rate | | | each | | | | | | | 148,226.22 | 767,979.65 | 773,794.13 | 820,132.32 | 869,867.68 | 1,690,000.00 | |

Miscellaneous covers the costs for maintenance works, minor works, etc.