

Table 5.2.1 (1/2) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-1

FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT
IN SEMARANG

Component: Urban Drainage System Improvement

Package 1: Semarang River Drainage System Improvement

BILL OF QUANTITIES

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|--------------|------------|---|----------------|----------|-------------|------------|-------------|-----------------|---------------|-------------|---------------|----------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P1-Bq-1 | A | GENERAL | | | | | | | | | | |
| U-P1-Bq-2 | A.1 | Mobilization and Demobilization | L.S. | 1 | 31,337,700 | 604,800 | 22,470,400 | 54,412,900 | 31,337,700 | 604,800 | 22,470,400 | 54,412,900 |
| U-P1-Bq-3 | A.2 | Establishment | | | | | | | | | | |
| U-P1-Bq-4 | A.2.1 | Temporary Construction Road | L.S. | 1 | 24,107,400 | 2,933,200 | 70,105,000 | 97,145,600 | 24,107,400 | 2,933,200 | 70,105,000 | 97,145,600 |
| U-P1-Bq-5 | A.2.2 | Contractor's Site Office and Facilities | L.S. | 1 | 252,730,500 | 65,665,600 | 797,816,600 | 1,116,212,700 | 252,730,500 | 65,665,600 | 797,816,600 | 1,116,212,700 |
| U-P1-Bq-6 | A.2.3 | Engineer's Site Office and Facilities | L.S. | 1 | 19,373,100 | 5,033,600 | 61,156,700 | 85,563,400 | 19,373,100 | 5,033,600 | 61,156,700 | 85,563,400 |
| U-P1-Bq-7 | A.3 | Drawings | L.S. | 1 | 6,109,100 | 300,000 | 24,315,300 | 30,724,400 | 6,109,100 | 300,000 | 24,315,300 | 30,724,400 |
| U-P1-Bq-8 | A.4 | Surveying | L.S. | 1 | 1,484,000 | 0 | 7,371,000 | 8,855,000 | 1,484,000 | 0 | 7,371,000 | 8,855,000 |
| U-P1-Bq-9 | B | CHANNEL WORKS | | | | | | | | | | |
| U-P1-Bq-10 | B.1 | Preparatory Works | | | | | | | | | | |
| U-P1-Bq-11 | B.1.1 | Clearing of Garbage | L.S. | 1 | 3,827,900 | 95,000 | 3,109,600 | 7,032,500 | 3,827,900 | 95,000 | 3,109,600 | 7,032,500 |
| U-P1-Bq-12 | B.2 | Channel Excavation | | | | | | | | | | |
| U-P1-Bq-13 | B.2.1 | Excavation below water level including hauling and treatment of contaminated soil | m ³ | 64300 | 78,357 | 8,944 | 85,038 | 172,339 | 5,038,355,100 | 575,099,200 | 5,467,943,400 | 11,081,397,700 |
| U-P1-Bq-14 | C | DIKE RAISING | | | | | | | | | | |
| U-P1-Bq-15 | C.1 | Dike Raising | | | | | | | | | | |
| U-P1-Bq-16 | C.1.1 | Structural Excavation | m ³ | 1810 | 18,170 | 350 | 14,250 | 32,770 | 32,887,700 | 633,500 | 25,792,500 | 59,313,700 |
| U-P1-Bq-17 | C.1.2 | Backfill with Selected Soil | m ³ | 839 | 12,720 | 770 | 20,480 | 33,970 | 10,672,080 | 646,030 | 17,182,720 | 28,500,830 |
| U-P1-Bq-18 | C.1.3 | Chipping on Existing Dike Surface | m ² | 5238 | 3,690 | 0 | 18,310 | 22,000 | 19,328,220 | 0 | 95,907,780 | 115,236,000 |
| U-P1-Bq-19 | C.1.4 | Sand Bedding | m ³ | 209 | 7,420 | 1,490 | 35,340 | 44,250 | 1,550,780 | 311,410 | 7,386,060 | 9,248,250 |
| U-P1-Bq-20 | C1.5 | Wet Stone Masonry | m ³ | 1760 | 46,070 | 28,800 | 200,020 | 274,890 | 81,083,200 | 50,688,000 | 352,035,200 | 483,806,400 |
| U-P1-Bq-21 | C1.6 | Joint Filler, 10 mm thick (Elastic Material) | m ² | 76 | 6,750 | 9,260 | 24,250 | 40,260 | 513,000 | 703,760 | 1,843,000 | 3,059,760 |
| U-P1-Bq-23 | C1.7 | Pointing | m ² | 5247 | 2,000 | 1,010 | 8,900 | 11,910 | 10,494,000 | 5,299,470 | 46,698,300 | 62,491,770 |
| U-P1-Bq-24 | D | INSPECTION ROAD | | | | | | | | | | |
| U-P1-Bq-27 | D.1 | Pavement | | | | | | | | | | |
| U-P1-Bq-33.1 | D.1.1 | Sand Bedding | m ³ | 3872 | 7,420 | 1,490 | 35,340 | 44,250 | 28,730,240 | 5,769,280 | 136,836,480 | 171,336,000 |
| U-P1-Bq-33.2 | D.1.2 | Concrete Block Pavement | m ² | 61598 | 10,710 | 5,700 | 47,480 | 63,890 | 659,714,580 | 351,108,600 | 2,924,673,040 | 3,935,496,220 |
| U-P1-Bq-33.3 | D.1.3 | Cement Mortar | m ³ | 149 | 15,900 | 8,000 | 70,700 | 94,600 | 2,369,100 | 1,192,000 | 10,534,300 | 14,095,400 |
| U-P1-Bq-33.4 | D.1.4 | Concrete Kerb | m ³ | 1479 | 155,430 | 43,070 | 578,300 | 776,800 | 229,880,970 | 63,700,530 | 855,305,700 | 1,148,887,200 |
| U-P1-Bq-34 | E | MISCELLANEOUS WORKS | | | | | | | | | | |
| U-P1-Bq-35 | E.1 | Preparatory Works | | | | | | | | | | |
| U-P1-Bq-36 | E.1.1 | Coffering and Dewatering | L.S. | 1 | 440,807,900 | 15,351,700 | 265,548,200 | 721,707,800 | 440,807,900 | 15,351,700 | 265,548,200 | 721,707,800 |
| U-P1-Bq-36.1 | E.1.2 | Demolition of existing Concrete | L.S. | 1 | 974,000 | 15,000 | 785,000 | 1,774,000 | 974,000 | 15,000 | 785,000 | 1,774,000 |

Table 5.2.1 (2/2) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-1

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | | |
|-------------------|----------|--------------------------------------|----------------|----------|-----------|--------|---------|-----------------|----------------------|----------------------|-----------------------|-----------------------|--|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost | |
| U-P1-Bq-37 | E.2 | Secondary Channel Outlet Closures | | | | | | | | | | | |
| U-P1-Bq-37.1 | E.2.1 | Structural Excavation | m ³ | 200 | 18,170 | 350 | 14,250 | 32,770 | 3,634,000 | 70,000 | 2,850,000 | 6,554,000 | |
| U-P1-Bq-38 | E.2.2 | Chipping of Existing Outlet Surface | m ² | 114 | 3,690 | 0 | 18,310 | 22,000 | 420,660 | 0 | 2,087,340 | 2,508,000 | |
| U-P1-Bq-39 | E.2.3 | Concrete, Type C1 including Formwork | m ³ | 119 | 105,370 | 44,160 | 330,330 | 479,860 | 12,539,030 | 5,255,040 | 39,309,270 | 57,103,340 | |
| U-P1-Bq-40 | E.2.4 | Backfill with Selected Soil | m ³ | 169 | 12,720 | 770 | 20,480 | 33,970 | 2,149,680 | 130,130 | 3,461,120 | 5,740,930 | |
| Total Cost | | | | | | | | | 6,915,073,940 | 1,150,605,850 | 11,242,524,010 | 19,308,203,800 | |

Table 5.2.2 (1/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2

FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT
IN SEMARANG

Component: Urban Drainage System Improvement

Package 2: Asin Drainage System Improvement

BILL OF QUANTITIES

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|------------|------------|---|----------------|----------|---------------|-------------|---------------|-----------------|---------------|-------------|---------------|---------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P2-Bq-1 | A | GENERAL | | | | | | | | | | |
| U-P2-Bq-2 | A.1 | Mobilization and Demobilization | L.S. | 1 | 131,021,400 | 2,386,600 | 91,420,500 | 224,828,500 | 131,021,400 | 2,386,600 | 91,420,500 | 224,828,500 |
| U-P2-Bq-3 | A.2 | Establishment | | | | | | | | | | |
| U-P2-Bq-4 | A.2.1 | Contractor's Site Office and Facilities | L.S. | 1 | 505,461,000 | 131,331,200 | 1,595,633,100 | 2,232,425,300 | 505,461,000 | 131,331,200 | 1,595,633,100 | 2,232,425,300 |
| U-P2-Bq-5 | A.2.2 | Engineer's Site Office and Facilities | L.S. | 1 | 38,746,200 | 10,067,200 | 122,313,400 | 171,126,800 | 38,746,200 | 10,067,200 | 122,313,400 | 171,126,800 |
| U-P2-Bq-6 | A.3 | Drawings | L.S. | 1 | 12,218,200 | 600,000 | 48,630,600 | 61,448,800 | 12,218,200 | 600,000 | 48,630,600 | 61,448,800 |
| U-P2-Bq-7 | A.4 | Surveying | L.S. | 1 | 1,484,000 | 0 | 7,371,000 | 8,855,000 | 1,484,000 | 0 | 7,371,000 | 8,855,000 |
| U-P2-Bq-8 | A.5 | Relocation/Demolition of Existing Facilities | | | | | | | | | | |
| U-P2-Bq-9 | A.5.1 | Demolition of Existing Pumping Stations | No. | 6 | 17,700,300 | 253,700 | 13,557,600 | 31,511,600 | 106,201,800 | 1,522,200 | 81,345,600 | 189,069,600 |
| U-P2-Bq-10 | A.5.2 | Felling and Grubbing of existing trees | L.S. | 1 | 9,087,200 | 154,000 | 7,258,500 | 16,499,700 | 9,087,200 | 154,000 | 7,258,500 | 16,499,700 |
| U-P2-Bq-11 | A.5.3 | Relocation of Existing Facilities | L.S. | 1 | 269,600 | 0 | 742,400 | 1,012,000 | 269,600 | 0 | 742,400 | 1,012,000 |
| U-P2-Bq-12 | B | SEMARANG RIVER IMPROVEMENT | | | | | | | | | | |
| U-P2-Bq-13 | B.1 | Preparatory Works | | | | | | | | | | |
| U-P2-Bq-14 | B.1.1 | Coffering and Dewatering | L.S. | 1 | 1,976,096,000 | 14,279,300 | 451,835,700 | 2,442,211,000 | 1,976,096,000 | 14,279,300 | 451,835,700 | 2,442,211,000 |
| U-P2-Bq-15 | B.1.2 | Clearing of Garbage | L.S. | 1 | 1,451,800 | 18,900 | 1,349,800 | 2,820,500 | 1,451,800 | 18,900 | 1,349,800 | 2,820,500 |
| U-P2-Bq-16 | B.2 | Channel Excavation | | | | | | | | | | |
| U-P2-Bq-17 | B.2.1 | Common channel excavation including hauling and spoiling | m ³ | 23400 | 27,644 | 628 | 19,543 | 47,815 | 646,869,600 | 14,695,200 | 457,306,200 | 1,118,871,000 |
| U-P2-Bq-18 | B.2.2 | Excavation below water level including hauling and treatment of contaminated soil | m ³ | 40200 | 84,876 | 8,788 | 91,241 | 184,905 | 3,412,015,200 | 353,277,600 | 3,667,888,200 | 7,433,181,000 |
| U-P2-Bq-19 | B.3 | Revetment Type A-1 | | | | | | | | | | |
| U-P2-Bq-20 | B.3.1 | Structural Excavation | m ³ | 2830 | 18,170 | 350 | 14,250 | 32,770 | 51,421,100 | 990,500 | 40,327,500 | 92,739,100 |
| U-P2-Bq-21 | B.3.2 | Backfill with Cobble | m ³ | 444 | 17,827 | 2,154 | 48,252 | 68,233 | 7,915,188 | 956,376 | 21,423,888 | 30,295,452 |
| U-P2-Bq-22 | B.3.3 | Backfill with Gravel | m ³ | 1120 | 18,580 | 4,060 | 88,210 | 110,850 | 20,809,600 | 4,547,200 | 98,795,200 | 124,152,000 |
| U-P2-Bq-23 | B.3.4 | Backfill with Sandy Soil | m ³ | 207 | 16,300 | 1,620 | 37,430 | 55,350 | 3,374,100 | 335,340 | 7,748,010 | 11,457,450 |
| U-P2-Bq-24 | B.3.5 | Concrete, Type C1 including Formwork | m ³ | 240 | 142,070 | 44,160 | 511,360 | 697,590 | 34,096,800 | 10,598,400 | 122,726,400 | 167,421,600 |
| U-P2-Bq-25 | B.3.6 | Concrete, Type E including Formwork | m ³ | 68 | 99,470 | 37,610 | 315,240 | 452,320 | 6,763,960 | 2,557,480 | 21,436,320 | 30,757,760 |
| U-P2-Bq-26 | B.3.7 | Deformed Reinforcing Bars | kg | 13390 | 1,230 | 2,809 | 3,300 | 7,339 | 16,468,361 | 37,611,171 | 44,188,339 | 98,267,871 |
| U-P2-Bq-27 | B.3.8 | Wet Stone Masonry | m ³ | 1630 | 46,070 | 28,800 | 200,020 | 274,890 | 75,094,100 | 46,944,000 | 326,032,600 | 448,070,700 |
| U-P2-Bq-28 | B.3.9 | Pointing | m ² | 4650 | 2,000 | 1,010 | 8,900 | 11,910 | 9,300,000 | 4,696,500 | 41,385,000 | 55,381,500 |
| U-P2-Bq-29 | B.3.10 | Weep Hole, Dia.50mm | No. | 845 | 3,147 | 909 | 14,500 | 18,556 | 2,659,091 | 768,182 | 12,252,500 | 15,679,773 |
| U-P2-Bq-30 | B.3.11 | Log Pile, Dia.150 mm, L=3.0m | m | 866 | 15,658 | 150 | 18,917 | 34,725 | 13,560,117 | 129,900 | 16,381,833 | 30,071,850 |
| U-P2-Bq-31 | B.3.12 | Gabion Mattress t=500mm (Galvanized) | m ³ | 441 | 659,260 | 3,060 | 142,060 | 804,380 | 290,733,660 | 1,349,460 | 62,648,460 | 354,731,580 |
| U-P2-Bq-32 | B.4 | Revetment Type C (concrete sheet pile) | | | | | | | | | | |
| U-P2-Bq-33 | B.4.1 | Furnishing and Driving PC Sheet Pile (t=220 mm) | m | 7947 | 253,780 | 140 | 35,080 | 289,000 | 2,016,789,660 | 1,112,580 | 278,780,760 | 2,296,683,000 |

Table 5.2.2 (2/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|------------|------------|--|----------------|----------|---------------|------------|-------------|-----------------|---------------|-------------|---------------|---------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P2-Bq-34 | B.4.2 | Concrete, Type C1 including Formwork | m ³ | 41 | 162,480 | 44,160 | 612,020 | 818,660 | 6,661,680 | 1,810,560 | 25,092,820 | 33,565,060 |
| U-P2-Bq-35 | B.4.3 | Deformed Reinforcing Bars | kg | 4920 | 1,367 | 3,121 | 3,667 | 8,154 | 6,723,672 | 15,354,828 | 18,040,656 | 40,119,156 |
| U-P2-Bq-36 | B.5 | Dike Raising | | | | | | | | | | |
| U-P2-Bq-37 | B.5.1 | Structural Excavation | m ³ | 260 | 18,170 | 350 | 14,250 | 32,770 | 4,724,200 | 91,000 | 3,705,000 | 8,520,200 |
| U-P2-Bq-38 | B.5.2 | Backfill with Selected Soil | m ³ | 129 | 12,720 | 770 | 20,480 | 33,970 | 1,640,880 | 99,330 | 2,641,920 | 4,382,130 |
| U-P2-Bq-39 | B.5.3 | Sand Bedding | m ³ | 30 | 7,420 | 1,490 | 35,340 | 44,250 | 222,600 | 44,700 | 1,060,200 | 1,327,500 |
| U-P2-Bq-40 | B.5.4 | Wet Stone Masonry | m ³ | 290 | 46,070 | 28,800 | 200,020 | 274,890 | 13,360,300 | 8,352,000 | 58,005,800 | 79,718,100 |
| U-P2-Bq-41 | B.5.5 | Joint Filler, 10mm thick (Elastic Material) | m ² | 15 | 6,750 | 9,260 | 24,250 | 40,260 | 101,250 | 138,900 | 363,750 | 603,900 |
| U-P2-Bq-42 | B.5.6 | Pointing | m ² | 625 | 2,000 | 1,010 | 8,900 | 11,910 | 1,250,000 | 631,250 | 5,562,500 | 7,443,750 |
| U-P2-Bq-43 | B.6 | Inspection Road | | | | | | | | | | |
| U-P2-Bq-44 | B.6.1 | Stripping of Top Soil | m ³ | 1256 | 16,920 | 350 | 11,920 | 29,190 | 21,251,520 | 439,600 | 14,971,520 | 36,662,640 |
| U-P2-Bq-45 | B.6.2 | Embankment | m ³ | 5598 | 26,300 | 1,210 | 38,300 | 65,810 | 147,227,400 | 6,773,580 | 214,403,400 | 368,404,380 |
| U-P2-Bq-46 | B.6.3 | Aggregate Class A | m ³ | 1042 | 35,670 | 4,370 | 97,910 | 137,950 | 37,168,140 | 4,553,540 | 102,022,220 | 143,743,900 |
| U-P2-Bq-47 | B.6.4 | Aggregate Class B | m ³ | 1573 | 35,010 | 4,370 | 97,420 | 136,800 | 55,070,730 | 6,874,010 | 153,241,660 | 215,186,400 |
| U-P2-Bq-48 | B.6.5 | Sand Bedding | m ³ | 505 | 7,420 | 1,490 | 35,340 | 44,250 | 3,747,100 | 752,450 | 17,846,700 | 22,346,250 |
| U-P2-Bq-49 | B.6.6 | Concrete Block Pavement | m ² | 8034 | 10,710 | 5,700 | 47,480 | 63,890 | 86,044,140 | 45,793,800 | 381,454,320 | 513,292,260 |
| U-P2-Bq-50 | B.6.7 | Cement Mortar | m ³ | 19 | 15,900 | 8,000 | 70,700 | 94,600 | 302,100 | 152,000 | 1,343,300 | 1,797,400 |
| U-P2-Bq-51 | B.6.8 | Concrete Kerb | m ³ | 194 | 155,430 | 43,070 | 578,300 | 776,800 | 30,153,420 | 8,355,580 | 112,190,200 | 150,699,200 |
| U-P2-Bq-52 | B.6.9 | Sodding | m ² | 6029 | 1,230 | 0 | 6,070 | 7,300 | 7,415,670 | 0 | 36,596,030 | 44,011,700 |
| U-P2-Bq-53 | C | ASIN RIVER IMPROVEMENT | | | | | | | | | | |
| U-P2-Bq-54 | C.1 | Preparatory Works | | | | | | | | | | |
| U-P2-Bq-55 | C.1.1 | Coffering and Dewatering | L.S. | 1 | 1,109,903,000 | 26,247,400 | 574,216,100 | 1,710,366,500 | 1,109,903,000 | 26,247,400 | 574,216,100 | 1,710,366,500 |
| U-P2-Bq-56 | C.1.2 | Clearing of Garbage | L.S. | 1 | 1,309,100 | 14,300 | 1,244,200 | 2,567,600 | 1,309,100 | 14,300 | 1,244,200 | 2,567,600 |
| U-P2-Bq-57 | C.1.3 | Demolition of Existing Revetment | L.S. | 1 | 167,231,000 | 3,263,000 | 154,297,000 | 324,791,000 | 167,231,000 | 3,263,000 | 154,297,000 | 324,791,000 |
| U-P2-Bq-58 | C.2 | Channel Excavation | | | | | | | | | | |
| U-P2-Bq-59 | C.2.1 | Common channel excavation including hauling and treatment of contaminated soil | m ³ | 35000 | 78,357 | 8,944 | 85,038 | 172,339 | 2,742,495,000 | 313,040,000 | 2,976,330,000 | 6,031,865,000 |
| U-P2-Bq-60 | C.3 | Revetment Type A-2 (lower channel) | | | | | | | | | | |
| U-P2-Bq-61 | C.3.1 | Structural Excavation | m ³ | 6060 | 18,170 | 350 | 14,250 | 32,770 | 110,110,200 | 2,121,000 | 86,355,000 | 198,586,200 |
| U-P2-Bq-62 | C.3.2 | Backfill with Cobble | m ³ | 689 | 17,827 | 2,154 | 48,252 | 68,233 | 12,282,803 | 1,484,106 | 33,245,628 | 47,012,537 |
| U-P2-Bq-63 | C.3.3 | Backfill with Gravel | m ³ | 2106 | 18,580 | 4,060 | 88,210 | 110,850 | 39,129,480 | 8,550,360 | 185,770,260 | 233,450,100 |
| U-P2-Bq-64 | C.3.4 | Concrete, Type C1 including Formwork | m ³ | 1108 | 159,090 | 42,250 | 484,610 | 685,950 | 176,271,720 | 46,813,000 | 536,947,880 | 760,032,600 |
| U-P2-Bq-65 | C.3.5 | Concrete, Type E including Formwork | m ³ | 309 | 97,390 | 37,610 | 304,890 | 439,890 | 30,093,510 | 11,621,490 | 94,211,010 | 135,926,010 |
| U-P2-Bq-66 | C.3.6 | Deformed Reinforcing Bars | kg | 53480 | 1,230 | 2,809 | 3,300 | 7,339 | 65,775,052 | 150,219,972 | 176,489,348 | 392,484,372 |
| U-P2-Bq-67 | C.3.7 | Wet Stone Masonry | m ³ | 1670 | 46,070 | 28,800 | 200,020 | 274,890 | 76,936,900 | 48,096,000 | 334,033,400 | 459,066,300 |
| U-P2-Bq-68 | C.3.8 | Weep Hole, Dia.50mm | No. | 2158 | 3,147 | 909 | 14,500 | 18,556 | 6,790,909 | 1,961,818 | 31,291,000 | 40,043,727 |
| U-P2-Bq-69 | C.3.9 | Log Pile, Dia. 150mm, L=4m | m | 8890 | 13,817 | 133 | 17,775 | 31,725 | 122,830,167 | 1,185,333 | 158,019,750 | 282,035,250 |
| U-P2-Bq-70 | C.3.10 | Joint Filler, 10mm thick (Elastic Material) | m ² | 66 | 6,750 | 9,260 | 24,250 | 40,260 | 445,500 | 611,160 | 1,600,500 | 2,657,160 |
| U-P2-Bq-71 | C.4 | Revetment Type B (higher channel) | | | | | | | | | | |
| U-P2-Bq-72 | C.4.1 | Structural Excavation | m ³ | 30840 | 18,170 | 350 | 14,250 | 32,770 | 560,362,800 | 10,794,000 | 439,470,000 | 1,010,626,800 |
| U-P2-Bq-73 | C.4.2 | Backfill with Cobble | m ³ | 2260 | 17,827 | 2,154 | 48,252 | 68,233 | 40,289,020 | 4,868,040 | 109,049,520 | 154,206,580 |
| U-P2-Bq-74 | C.4.3 | Backfill with Gravel | m ³ | 4730 | 18,580 | 4,060 | 88,210 | 110,850 | 87,883,400 | 19,203,800 | 417,233,300 | 524,320,500 |
| U-P2-Bq-75 | C.4.4 | Backfill with Sandy Soil | m ³ | 16823 | 16,300 | 1,620 | 37,430 | 55,350 | 274,214,900 | 27,253,260 | 629,684,890 | 931,153,050 |
| U-P2-Bq-76 | C.4.5 | Concrete, Type E including Formwork | m ³ | 675 | 79,400 | 37,610 | 215,560 | 332,570 | 53,595,000 | 25,386,750 | 145,503,000 | 224,484,750 |

Table 5.2.2 (3/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|-------------|------------|--|----------------|----------|-------------|------------|-------------|-----------------|---------------|-------------|---------------|---------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P2-Bq-77 | C.4.6 | Wet Stone Masonry | m ³ | 9150 | 46,070 | 28,800 | 200,020 | 274,890 | 421,540,500 | 263,520,000 | 1,830,183,000 | 2,515,243,500 |
| U-P2-Bq-78 | C.4.7 | Pointing | m ² | 1246 | 2,000 | 1,010 | 8,900 | 11,910 | 2,492,000 | 1,258,460 | 11,089,400 | 14,839,860 |
| U-P2-Bq-79 | C.4.8 | Weep Hole, Dia.50mm | No. | 4316 | 3,147 | 909 | 14,500 | 18,556 | 13,581,818 | 3,923,636 | 62,582,000 | 80,087,455 |
| U-P2-Bq-80 | C.4.9 | Log Pile, Dia. 150mm, L=4m | m | 71119 | 13,817 | 133 | 17,775 | 31,725 | 982,627,517 | 9,482,533 | 1,264,140,225 | 2,256,250,275 |
| U-P2-Bq-81 | C.5 | Revetment Type C (concrete sheet pile) | | | | | | | | | | |
| U-P2-Bq-82 | C.5.1 | Furnishing and Driving PC Sheet Pile (t=220 mm) | m | 2522 | 253,780 | 140 | 35,080 | 289,000 | 640,033,160 | 353,080 | 88,471,760 | 728,858,000 |
| U-P2-Bq-83 | C.5.2 | Concrete, Type C1 including Formwork | m ³ | 15 | 159,440 | 44,160 | 597,050 | 800,650 | 2,391,600 | 662,400 | 8,955,750 | 12,009,750 |
| U-P2-Bq-84 | C.5.3 | Deformed Reinforcing Bars | kg | 860 | 1,367 | 3,121 | 3,667 | 8,154 | 1,175,276 | 2,683,974 | 3,153,448 | 7,012,698 |
| U-P2-Bq-85 | C.6 | Inspection Road | | | | | | | | | | |
| U-P2-Bq-86 | C.6.1 | Sand Bedding | m ³ | 740 | 7,420 | 1,490 | 35,340 | 44,250 | 5,490,800 | 1,102,600 | 26,151,600 | 32,745,000 |
| U-P2-Bq-87 | C.6.2 | Concrete Block Pavement | m ² | 11764 | 10,710 | 5,700 | 47,480 | 63,890 | 125,992,440 | 67,054,800 | 558,554,720 | 751,601,960 |
| U-P2-Bq-88 | C.6.3 | Cement Mortar | m ³ | 29 | 15,900 | 8,000 | 70,700 | 94,600 | 461,100 | 232,000 | 2,050,300 | 2,743,400 |
| U-P2-Bq-89 | C.6.4 | Concrete Kerb | m ³ | 283 | 155,430 | 43,070 | 578,300 | 776,800 | 43,986,690 | 12,188,810 | 163,658,900 | 219,834,400 |
| U-P2-Bq-90 | C.6.5 | Aggregate Class A | m ³ | 220 | 35,670 | 4,370 | 97,910 | 137,950 | 7,847,400 | 961,400 | 21,540,200 | 30,349,000 |
| U-P2-Bq-91 | C.6.6 | Aggregate Class B | m ³ | 247 | 35,010 | 4,370 | 97,420 | 136,800 | 8,647,470 | 1,079,390 | 24,062,740 | 33,789,600 |
| U-P2-Bq-92 | C.7 | Asin Box Culvert | | | | | | | | | | |
| U-P2-Bq-93 | C.7.1 | Coffering and Dewatering | L.S. | 1 | 73,223,100 | 1,119,800 | 21,263,500 | 95,606,400 | 73,223,100 | 1,119,800 | 21,263,500 | 95,606,400 |
| U-P2-Bq-94 | C.7.2 | Structural Excavation with Shoring | m ³ | 5740 | 186,425 | 376 | 46,809 | 233,610 | 1,070,080,563 | 2,159,941 | 268,683,022 | 1,340,923,526 |
| U-P2-Bq-95 | C.7.3 | Backfill with Sandy Soil | m ³ | 2337 | 16,300 | 1,620 | 37,430 | 55,350 | 38,093,100 | 3,785,940 | 87,473,910 | 129,352,950 |
| U-P2-Bq-96 | C.7.4 | Concrete, Type C1 including Formwork, Scaffolding, and Falsework | m ³ | 1056 | 271,200 | 42,670 | 478,090 | 791,960 | 286,387,200 | 45,059,520 | 504,863,040 | 836,309,760 |
| U-P2-Bq-97 | C.7.5 | Concrete, Type E including Formwork | m ³ | 96 | 99,470 | 37,610 | 315,240 | 452,320 | 9,549,120 | 3,610,560 | 30,263,040 | 43,422,720 |
| U-P2-Bq-98 | C.7.6 | Deformed Reinforcing Bars | kg | 100980 | 1,402 | 2,810 | 3,418 | 7,629 | 141,563,862 | 283,733,604 | 345,109,248 | 770,406,714 |
| U-P2-Bq-99 | C.7.7 | Water Stop, 200 mm wide | m | 223 | 61,278 | 0 | 6,022 | 67,300 | 13,664,994 | 0 | 1,342,906 | 15,007,900 |
| U-P2-Bq-100 | C.7.8 | Gravel Bedding | m ³ | 132 | 6,920 | 1,360 | 32,990 | 41,270 | 913,440 | 179,520 | 4,354,680 | 5,447,640 |
| U-P2-Bq-101 | C.7.9 | Cobble Stone | m ³ | 20 | 14,250 | 2,120 | 45,410 | 61,780 | 285,000 | 42,400 | 908,200 | 1,235,600 |
| U-P2-Bq-102 | C.7.10 | Wet Stone Masonry | m ³ | 610 | 46,070 | 28,800 | 200,020 | 274,890 | 28,102,700 | 17,568,000 | 122,012,200 | 167,682,900 |
| U-P2-Bq-103 | C.7.11 | Log Pile, Dia. 150mm, L=3.0m | m | 455 | 15,658 | 150 | 18,917 | 34,725 | 7,124,542 | 68,250 | 8,607,083 | 15,799,875 |
| U-P2-Bq-104 | C.7.12 | Weep Hole, Dia.50mm | No. | 75 | 3,147 | 909 | 14,500 | 18,556 | 236,014 | 68,182 | 1,087,500 | 1,391,696 |
| U-P2-Bq-105 | C.7.13 | Pointing | m ² | 465 | 2,000 | 1,010 | 8,900 | 11,910 | 930,000 | 469,650 | 4,138,500 | 5,538,150 |
| U-P2-Bq-106 | C.7.14 | Asphalt Concrete | ton | 115 | 874 | 548 | 2,151 | 3,573 | 100,510 | 63,020 | 247,365 | 410,895 |
| U-P2-Bq-107 | C.7.15 | Asphalt Treated Base | ton | 115 | 867 | 547 | 2,179 | 3,594 | 99,750 | 62,953 | 250,599 | 413,302 |
| U-P2-Bq-108 | C.7.16 | Aggregate Class A | m ³ | 195 | 35,670 | 4,370 | 97,910 | 137,950 | 6,955,650 | 852,150 | 19,092,450 | 26,900,250 |
| U-P2-Bq-109 | C.7.17 | Aggregate Class B | m ³ | 279 | 35,010 | 4,370 | 97,420 | 136,800 | 9,767,790 | 1,219,230 | 27,180,180 | 38,167,200 |
| U-P2-Bq-110 | C.8 | Asin No.1 Bridge | | | | | | | | | | |
| U-P2-Bq-111 | | (Superstructure) | | | | | | | | | | |
| U-P2-Bq-112 | C.8.1 | Precast Prestressed Concrete Beam including tensioning and erection | L.S. | 1 | 358,707,100 | 34,368,600 | 395,325,500 | 788,401,200 | 358,707,100 | 34,368,600 | 395,325,500 | 788,401,200 |
| U-P2-Bq-113 | C.8.2 | Precast Prestressed Concrete Diaphragm including tensioning and erection | L.S. | 1 | 43,206,100 | 5,889,200 | 30,891,900 | 79,987,200 | 43,206,100 | 5,889,200 | 30,891,900 | 79,987,200 |
| U-P2-Bq-114 | C.8.3 | Precast Concrete Panel Including Erection | L.S. | 1 | 4,709,600 | 4,759,200 | 17,257,500 | 26,726,300 | 4,709,600 | 4,759,200 | 17,257,500 | 26,726,300 |
| U-P2-Bq-115 | C.8.4 | Deformed Reinforcing Bars | kg | 15120 | 1,402 | 2,810 | 3,418 | 7,629 | 21,196,728 | 42,484,176 | 51,674,112 | 115,355,016 |
| U-P2-Bq-116 | C.8.5 | Concrete, Type B including Scaffolding and Formwork | m ³ | 71 | 146,070 | 44,450 | 320,190 | 510,710 | 10,370,970 | 3,155,950 | 22,733,490 | 36,260,410 |
| U-P2-Bq-117 | C.8.6 | Asphalt concrete | ton | 34 | 874 | 548 | 2,151 | 3,573 | 29,716 | 18,632 | 73,134 | 121,482 |
| U-P2-Bq-118 | C.8.7 | Expansion Joint | m | 21 | 11,571 | 657 | 10,657 | 22,886 | 243,000 | 13,800 | 223,800 | 480,600 |

Table 5.2.2 (4/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|-------------|----------|--|----------------|----------|-------------|------------|-------------|-----------------|-------------|------------|-------------|-------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P2-Bq-119 | C.8.8 | Hand Rail | kg | 50 | 2,298 | 1,051 | 4,848 | 8,197 | 114,900 | 52,550 | 242,400 | 409,850 |
| U-P2-Bq-120 | C.8.9 | Drain Pipe, PVC Pipe Dia. 100 mm | m | 12 | 3,920 | 4,240 | 15,210 | 23,370 | 47,040 | 50,880 | 182,520 | 280,440 |
| U-P2-Bq-121 | C.8.10 | Utility Pipe, PVC Pipe Dia. 150 mm | m | 63 | 13,110 | 17,250 | 47,850 | 78,210 | 825,930 | 1,086,750 | 3,014,550 | 4,927,230 |
| U-P2-Bq-122 | C.8.11 | Elastomeric Bearing Pad (350 x 280 x 73) | No. | 12 | 511,000 | 602,000 | 1,011,500 | 2,124,500 | 6,132,000 | 7,224,000 | 12,138,000 | 25,494,000 |
| U-P2-Bq-123 | C.8.12 | Rubber Sheet (40 x 10 x 3) | No. | 12 | 103,540 | 231,000 | 283,280 | 617,820 | 1,242,480 | 2,772,000 | 3,399,360 | 7,413,840 |
| U-P2-Bq-124 | | (Sub Structure) | | | | | | | | | | |
| U-P2-Bq-125 | C.8.13 | Structural Excavation | m ³ | 1350 | 18,170 | 350 | 14,250 | 32,770 | 24,529,500 | 472,500 | 19,237,500 | 44,239,500 |
| U-P2-Bq-126 | C.8.14 | Backfill with Sandy Soil | m ³ | 465 | 16,300 | 1,620 | 37,430 | 55,350 | 7,579,500 | 753,300 | 17,404,950 | 25,737,750 |
| U-P2-Bq-127 | C.8.15 | Embankment | m ³ | 446 | 26,300 | 1,210 | 38,300 | 65,810 | 11,729,800 | 539,660 | 17,081,800 | 29,351,260 |
| U-P2-Bq-128 | C.8.16 | Furnishing and Driving PC Piles, Dia. 500 mm, Type A | m | 1298 | 291,290 | 300 | 78,730 | 370,320 | 378,094,420 | 389,400 | 102,191,540 | 480,675,360 |
| U-P2-Bq-129 | C.8.17 | Furning and Driving PC Test Pile, Dia. 500mm, Type A | m | 19 | 326,780 | 330 | 118,200 | 445,310 | 6,208,820 | 6,270 | 2,245,800 | 8,460,890 |
| U-P2-Bq-130 | C.8.18 | Concrete, Type C1 including Formwork and Scaffolding | m ³ | 326 | 167,090 | 42,400 | 313,630 | 523,120 | 54,471,340 | 13,822,400 | 102,243,380 | 170,537,120 |
| U-P2-Bq-131 | C.8.19 | Concrete, Type E including Formwork | m ³ | 15 | 78,060 | 37,610 | 208,920 | 324,590 | 1,170,900 | 564,150 | 3,133,800 | 4,868,850 |
| U-P2-Bq-132 | C.8.20 | Deformed Reinforcing Bars | kg | 20970 | 1,402 | 2,810 | 3,418 | 7,629 | 29,397,843 | 58,921,506 | 71,667,072 | 159,986,421 |
| U-P2-Bq-133 | C.8.21 | Wet Stone Masonry | m ³ | 200 | 46,070 | 28,800 | 200,020 | 274,890 | 9,214,000 | 5,760,000 | 40,004,000 | 54,978,000 |
| U-P2-Bq-134 | C.8.22 | Weep Hole, Dia.50mm | No. | 70 | 3,147 | 909 | 14,500 | 18,556 | 220,280 | 63,636 | 1,015,000 | 1,298,916 |
| U-P2-Bq-135 | C.8.23 | Pointing | m ² | 235 | 2,000 | 1,010 | 8,900 | 11,910 | 470,000 | 237,350 | 2,091,500 | 2,798,850 |
| U-P2-Bq-136 | C.9 | Asin No.2 Bridge | | | | | | | | | | |
| U-P2-Bq-137 | | (Super Structure) | | | | | | | | | | |
| U-P2-Bq-138 | C.9.1 | Precast Prestressed Concrete Beam including tensioning and erection | L.S. | 1 | 298,922,600 | 28,640,500 | 329,437,900 | 657,001,000 | 298,922,600 | 28,640,500 | 329,437,900 | 657,001,000 |
| U-P2-Bq-139 | C.9.2 | Precast Prestressed Concrete Diaphragm including tensioning and erection | L.S. | 1 | 34,564,900 | 4,711,300 | 24,713,600 | 63,989,800 | 34,564,900 | 4,711,300 | 24,713,600 | 63,989,800 |
| U-P2-Bq-140 | C.9.3 | Precast Concrete Panel including Erection | L.S. | 1 | 3,767,700 | 3,807,400 | 13,806,000 | 21,381,100 | 3,767,700 | 3,807,400 | 13,806,000 | 21,381,100 |
| U-P2-Bq-141 | C.9.4 | Deformed Reinforcing Bars | kg | 5360 | 1,402 | 2,810 | 3,418 | 7,629 | 7,514,184 | 15,060,528 | 18,318,336 | 40,893,048 |
| U-P2-Bq-142 | C.9.5 | Concrete, Type B including Scaffolding and Formwork | m ³ | 51 | 257,880 | 44,730 | 488,400 | 791,010 | 13,151,880 | 2,281,230 | 24,908,400 | 40,341,510 |
| U-P2-Bq-143 | C.9.6 | Asphalt Concrete | ton | 29 | 874 | 548 | 2,151 | 3,573 | 25,346 | 15,892 | 62,379 | 103,617 |
| U-P2-Bq-144 | C.9.7 | Expansion Joint | m | 19 | 11,571 | 657 | 10,657 | 22,886 | 219,857 | 12,486 | 202,486 | 434,829 |
| U-P2-Bq-145 | C.9.8 | Hand Rail | kg | 50 | 2,298 | 1,051 | 4,848 | 8,197 | 114,900 | 52,550 | 242,400 | 409,850 |
| U-P2-Bq-146 | C.9.9 | Drain Pipe, PVC Pipe Dia. 100 mm | m | 12 | 3,920 | 4,240 | 15,210 | 23,370 | 47,040 | 50,880 | 182,520 | 280,440 |
| U-P2-Bq-147 | C.9.11 | Elastomeric Bearing Pad (Size 350 x 280 x 73) | No. | 10 | 511,000 | 602,000 | 1,011,500 | 2,124,500 | 5,110,000 | 6,020,000 | 10,115,000 | 21,245,000 |
| U-P2-Bq-148 | C.9.12 | Rubber Sheet (40 x 10 x 3) | No. | 10 | 103,540 | 231,000 | 283,280 | 617,820 | 1,035,400 | 2,310,000 | 2,832,800 | 6,178,200 |
| U-P2-Bq-149 | | (Sub Structure) | | | | | | | | | | |
| U-P2-Bq-150 | C.9.13 | Structure Excavation | m ³ | 1120 | 18,170 | 350 | 14,250 | 32,770 | 20,350,400 | 392,000 | 15,960,000 | 36,702,400 |
| U-P2-Bq-151 | C.9.14 | Backfill with Sandy Soil | m ³ | 380 | 16,300 | 1,620 | 37,430 | 55,350 | 6,194,000 | 615,600 | 14,223,400 | 21,033,000 |
| U-P2-Bq-152 | C.9.15 | Embankment | m ³ | 378 | 26,300 | 1,210 | 38,300 | 65,810 | 9,941,400 | 457,380 | 14,477,400 | 24,876,180 |
| U-P2-Bq-153 | C.9.16 | Furnishing and Driving PC Piles, Dia. 500 mm, Type A | m | 1113 | 288,190 | 290 | 76,240 | 364,720 | 320,755,470 | 322,770 | 84,855,120 | 405,933,360 |
| U-P2-Bq-154 | C.9.17 | Furning and Driving PC Test Pile, Dia. 500mm, Type A | m | 38 | 322,900 | 320 | 115,080 | 438,300 | 12,270,200 | 12,160 | 4,373,040 | 16,655,400 |
| U-P2-Bq-155 | C.9.18 | Concrete, Type C1 including Formwork and Scaffolding | m ³ | 277 | 169,090 | 42,410 | 318,050 | 529,550 | 46,837,930 | 11,747,570 | 88,099,850 | 146,685,350 |
| U-P2-Bq-156 | C.9.19 | Concrete, Type E including Formwork | m ³ | 14 | 77,760 | 37,610 | 207,440 | 322,810 | 1,088,640 | 526,540 | 2,904,160 | 4,519,340 |
| U-P2-Bq-157 | C.9.20 | Deformed Reinforcing Bars | kg | 15110 | 1,402 | 2,810 | 3,418 | 7,629 | 21,182,709 | 42,456,078 | 51,639,936 | 115,278,723 |
| U-P2-Bq-158 | C.9.21 | Wet Stone Masonry | m ³ | 230 | 46,070 | 28,800 | 200,020 | 274,890 | 10,596,100 | 6,624,000 | 46,004,600 | 63,224,700 |

Table 5.2.2 (5/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|-------------|-------------|---|----------------|----------|-------------|------------|-------------|-----------------|-------------|------------|-------------|-------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P2-Bq-159 | C.9.22 | Weep Hole, Dia.50mm | No. | 60 | 3,147 | 909 | 14,500 | 18,556 | 188,811 | 54,545 | 870,000 | 1,113,357 |
| U-P2-Bq-160 | C.9.23 | Pointing | m ² | 244 | 2,000 | 1,010 | 8,900 | 11,910 | 488,000 | 246,440 | 2,171,600 | 2,906,040 |
| U-P2-Bq-161 | C.10 | Water Supply Pipe Reconstruction | | | | | | | | | | |
| U-P2-Bq-162 | C.10.1 | Coffering and Dewatering | L.S. | 1 | 13,403,500 | 364,100 | 8,656,400 | 22,424,000 | 13,403,500 | 364,100 | 8,656,400 | 22,424,000 |
| U-P2-Bq-163 | C.10.2 | Structural Excavation | m ³ | 620 | 18,170 | 350 | 14,250 | 32,770 | 11,265,400 | 217,000 | 8,835,000 | 20,317,400 |
| U-P2-Bq-164 | C.10.3 | Backfill | m ³ | 577 | 9,940 | 120 | 7,340 | 17,400 | 5,735,380 | 69,240 | 4,235,180 | 10,039,800 |
| U-P2-Bq-165 | C.10.4 | Concrete, Type C1 including Formwork | m ³ | 37 | 125,720 | 44,160 | 430,700 | 600,580 | 4,651,640 | 1,633,920 | 15,935,900 | 22,221,460 |
| U-P2-Bq-166 | C.10.5 | Concrete, Type E including Formwork | m ³ | 3 | 81,930 | 37,610 | 228,140 | 347,680 | 245,790 | 112,830 | 684,420 | 1,043,040 |
| U-P2-Bq-167 | C.10.6 | Deformed Reinforcing Bars | kg | 3430 | 1,367 | 3,121 | 3,667 | 8,154 | 4,687,438 | 10,704,687 | 12,577,124 | 27,969,249 |
| U-P2-Bq-168 | C.10.7 | Pipe Connection Works | L.S. | 1 | 3,322,000 | 0 | 4,268,000 | 7,590,000 | 3,322,000 | 0 | 4,268,000 | 7,590,000 |
| U-P2-Bq-169 | C.11 | Telephone Cable Duct Reconstruction | | | | | | | | | | |
| U-P2-Bq-170 | C.11.1 | Coffering and Dewatering | L.S. | 1 | 13,403,500 | 364,100 | 8,656,400 | 22,424,000 | 13,403,500 | 364,100 | 8,656,400 | 22,424,000 |
| U-P2-Bq-171 | C.11.2 | Structural Excavation | m ³ | 310 | 18,170 | 350 | 14,250 | 32,770 | 5,632,700 | 108,500 | 4,417,500 | 10,158,700 |
| U-P2-Bq-172 | C.11.3 | Backfill | m ³ | 297 | 9,940 | 120 | 7,340 | 17,400 | 2,952,180 | 35,640 | 2,179,980 | 5,167,800 |
| U-P2-Bq-173 | C.11.4 | Concrete, Type C1 including Formwork | m ³ | 11 | 108,260 | 44,160 | 344,610 | 497,030 | 1,190,860 | 485,760 | 3,790,710 | 5,467,330 |
| U-P2-Bq-174 | C.11.5 | Concrete, Type E including Formwork | m ³ | 2 | 89,670 | 37,610 | 266,580 | 393,860 | 179,340 | 75,220 | 533,160 | 787,720 |
| U-P2-Bq-175 | C.11.6 | Deformed Reinforcing Bars | kg | 950 | 1,367 | 3,121 | 3,667 | 8,154 | 1,298,270 | 2,964,855 | 3,483,460 | 7,746,585 |
| U-P2-Bq-176 | C.11.7 | Cable Connection Works | L.S. | 1 | 34,840,000 | 0 | 53,710,000 | 88,550,000 | 34,840,000 | 0 | 53,710,000 | 88,550,000 |
| U-P2-Bq-177 | C.12 | Secondary Channel Outlet Reconstruction | | | | | | | | | | |
| U-P2-Bq-178 | C.12.1 | Structural Excavation | m ³ | 430 | 18,170 | 350 | 14,250 | 32,770 | 7,813,100 | 150,500 | 6,127,500 | 14,091,100 |
| U-P2-Bq-179 | C.12.2 | Backfill | m ³ | 110 | 9,940 | 120 | 7,340 | 17,400 | 1,093,400 | 13,200 | 807,400 | 1,914,000 |
| U-P2-Bq-180 | C.12.3 | Concrete, Type C1 including Formwork and Falsework | m ³ | 39 | 106,420 | 44,210 | 273,720 | 424,350 | 4,150,380 | 1,724,190 | 10,675,080 | 16,549,650 |
| U-P2-Bq-181 | C.12.4 | Concrete, Type E including Formwork | m ³ | 8 | 85,250 | 37,610 | 244,610 | 367,470 | 682,000 | 300,880 | 1,956,880 | 2,939,760 |
| U-P2-Bq-182 | C.12.5 | Deformed Reinforcing Bars | kg | 3330 | 1,367 | 3,121 | 3,667 | 8,154 | 4,550,778 | 10,392,597 | 12,210,444 | 27,153,819 |
| U-P2-Bq-183 | C.12.6 | Wet Stone Masonry | m ³ | 210 | 46,070 | 28,800 | 200,020 | 274,890 | 9,674,700 | 6,048,000 | 42,004,200 | 57,726,900 |
| U-P2-Bq-184 | C.12.7 | Pointing | m ² | 35 | 2,000 | 1,010 | 8,900 | 11,910 | 70,000 | 35,350 | 311,500 | 416,850 |
| U-P2-Bq-185 | C.12.8 | Gravel Filling | m ³ | 148 | 20,840 | 3,680 | 76,610 | 101,130 | 3,084,320 | 544,640 | 11,338,280 | 14,967,240 |
| U-P2-Bq-186 | C.12.9 | Gravel Bedding | m ³ | 130 | 6,920 | 1,360 | 32,990 | 41,270 | 899,600 | 176,800 | 4,288,700 | 5,365,100 |
| U-P2-Bq-187 | C.12.10 | Cobble Stone | m ³ | 2 | 14,250 | 2,120 | 45,410 | 61,780 | 28,500 | 4,240 | 90,820 | 123,560 |
| U-P2-Bq-188 | C.12.11 | Weep Hole, Dia.50mm | No. | 132 | 3,147 | 909 | 14,500 | 18,556 | 415,385 | 120,000 | 1,914,000 | 2,449,385 |
| U-P2-Bq-189 | C.12.12 | Log Pile, Dia. 150 mm L=2.0 m | m | 195 | 18,940 | 190 | 20,950 | 40,080 | 3,693,300 | 37,050 | 4,085,250 | 7,815,600 |
| U-P2-Bq-190 | D | ASIN PUMPING STATION | | | | | | | | | | |
| U-P2-Bq-191 | D.1 | Preparatory Works | | | | | | | | | | |
| U-P2-Bq-192 | D.1.1 | Coffering and Dewatering | L.S. | 1 | 497,173,200 | 15,321,100 | 309,713,900 | 822,208,200 | 497,173,200 | 15,321,100 | 309,713,900 | 822,208,200 |
| U-P2-Bq-193 | D.1.2 | Clearing of Garbage | L.S. | 1 | 731,100 | 9,500 | 700,600 | 1,441,200 | 731,100 | 9,500 | 700,600 | 1,441,200 |
| U-P2-Bq-194 | D.1.3 | Demolition of Existing Revetment | L.S. | 1 | 1,325,000 | 21,000 | 1,004,000 | 2,350,000 | 1,325,000 | 21,000 | 1,004,000 | 2,350,000 |
| U-P2-Bq-195 | D.2 | Pumping Station | | | | | | | | | | |
| U-P2-Bq-196 | D.2.1 | Structural Excavation | m ³ | 1400 | 18,170 | 350 | 14,250 | 32,770 | 25,438,000 | 490,000 | 19,950,000 | 45,878,000 |
| U-P2-Bq-197 | D.2.2 | Backfill | m ³ | 115 | 9,940 | 120 | 7,340 | 17,400 | 1,143,100 | 13,800 | 844,100 | 2,001,000 |
| U-P2-Bq-198 | D.2.3 | Embankment | m ³ | 1005 | 26,300 | 1,210 | 38,300 | 65,810 | 26,431,500 | 1,216,050 | 38,491,500 | 66,139,050 |
| U-P2-Bq-199 | D.2.4 | Concrete, Type C1 including Formwork, Scaffolding and Falsework | m ³ | 1176 | 203,460 | 42,500 | 370,080 | 616,040 | 239,268,960 | 49,980,000 | 435,214,080 | 724,463,040 |
| U-P2-Bq-200 | D.2.5 | Concrete, Type E including Formwork | m ³ | 70 | 76,190 | 37,610 | 199,600 | 313,400 | 5,333,300 | 2,632,700 | 13,972,000 | 21,938,000 |
| U-P2-Bq-201 | D.2.6 | Secondary Concrete, Type C2 | m ³ | 138 | 104,810 | 42,250 | 216,900 | 363,960 | 14,463,780 | 5,830,500 | 29,932,200 | 50,226,480 |

Table 5.2.2 (6/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|-------------|------------|--|----------------|----------|---------------|------------|-------------|-----------------|---------------|-------------|---------------|---------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P2-Bq-202 | D.2.7 | Deformed Reinforcing Bars | kg | 82760 | 1,402 | 2,810 | 3,418 | 7,629 | 116,021,244 | 232,539,048 | 282,840,576 | 631,400,868 |
| U-P2-Bq-203 | D.2.8 | Water Stop, 200 mm wide | m | 47 | 61,278 | 0 | 6,022 | 67,300 | 2,880,066 | 0 | 283,034 | 3,163,100 |
| U-P2-Bq-204 | D.2.9 | Dowel Bar Dia. 19 mm, 1 m Long (Round Bar and PVC Pipe) | kg | 308 | 3,370 | 5,710 | 11,010 | 20,090 | 1,037,960 | 1,758,680 | 3,391,080 | 6,187,720 |
| U-P2-Bq-205 | D.2.10 | Furnishing and Driving PC Piles, Dia. 500 mm, Type A | m | 3765 | 281,680 | 260 | 70,990 | 352,930 | 1,060,525,200 | 978,900 | 267,277,350 | 1,328,781,450 |
| U-P2-Bq-206 | D.2.11 | Furnishing and Driving PC Test Pile, Dia. 500 mm, Type A | m | 21 | 319,150 | 290 | 110,490 | 429,930 | 6,702,150 | 6,090 | 2,320,290 | 9,028,530 |
| U-P2-Bq-207 | D.2.12 | Furnishing and Driving Steel Sheet Pile, Type II | m | 503 | 348,510 | 80 | 39,230 | 387,820 | 175,300,530 | 40,240 | 19,732,690 | 195,073,460 |
| U-P2-Bq-208 | D.2.13 | Furnishing and Driving PC Sheet Piles (t=220 mm) | m | 499 | 253,780 | 140 | 35,080 | 289,000 | 126,636,220 | 69,860 | 17,504,920 | 144,211,000 |
| U-P2-Bq-209 | D.2.17 | Gabion Mattress, t=500 mm (Galvanized) | m ³ | 52 | 659,260 | 3,060 | 142,060 | 804,380 | 34,281,520 | 159,120 | 7,387,120 | 41,827,760 |
| U-P2-Bq-210 | D.2.14 | Safety Hand Rail (Type-I) | kg | 1180 | 2,049 | 481 | 4,231 | 6,761 | 2,417,820 | 567,580 | 4,992,580 | 7,977,980 |
| U-P2-Bq-211 | D.2.15 | Safety Hand Rail (Type-II) | kg | 630 | 2,049 | 481 | 4,231 | 6,761 | 1,290,870 | 303,030 | 2,665,530 | 4,259,430 |
| U-P2-Bq-212 | D.2.16 | Wet Stone Masonry | m ³ | 40 | 46,070 | 28,800 | 200,020 | 274,890 | 1,842,800 | 1,152,000 | 8,000,800 | 10,995,600 |
| U-P2-Bq-213 | D.2.18 | Pointing | m ² | 45 | 2,000 | 1,010 | 8,900 | 11,910 | 90,000 | 45,450 | 400,500 | 535,950 |
| U-P2-Bq-214 | D.2.19 | Weep Hole, Dia.50mm | No. | 12 | 3,147 | 909 | 14,500 | 18,556 | 37,762 | 10,909 | 174,000 | 222,671 |
| U-P2-Bq-215 | D.3 | Pump Mechanical Works | | | | | | | | | | |
| U-P2-Bq-216 | D.3.1 | Furnishing and Installing Main Pump Units | set | 3 | 2,424,057,500 | 0 | 333,525,900 | 2,757,583,400 | 7,272,172,500 | 0 | 1,000,577,700 | 8,272,750,200 |
| U-P2-Bq-217 | D.3.2 | Gear Boxes | set | 3 | 654,759,300 | 0 | 90,088,300 | 744,847,600 | 1,964,277,900 | 0 | 270,264,900 | 2,234,542,800 |
| U-P2-Bq-218 | D.3.3 | Diesel Engine Units | set | 3 | 800,068,800 | 0 | 110,081,500 | 910,150,300 | 2,400,206,400 | 0 | 330,244,500 | 2,730,450,900 |
| U-P2-Bq-219 | D.3.4 | Fuel Service Tank | set | 1 | 88,570,800 | 0 | 12,186,500 | 100,757,300 | 88,570,800 | 0 | 12,186,500 | 100,757,300 |
| U-P2-Bq-220 | D.3.5 | Fuel Transfer Pump | set | 1 | 27,905,200 | 0 | 3,839,500 | 31,744,700 | 27,905,200 | 0 | 3,839,500 | 31,744,700 |
| U-P2-Bq-221 | D.3.6 | Auxiliary Drainage Pump System | L.S. | 1 | 304,531,500 | 0 | 41,900,500 | 346,432,000 | 304,531,500 | 0 | 41,900,500 | 346,432,000 |
| U-P2-Bq-222 | D.3.7 | Overhead Crane | set | 1 | 274,478,500 | 0 | 37,765,500 | 312,244,000 | 274,478,500 | 0 | 37,765,500 | 312,244,000 |
| U-P2-Bq-223 | D.3.8 | Piping System | L.S. | 1 | 83,400,000 | 0 | 11,475,000 | 94,875,000 | 83,400,000 | 0 | 11,475,000 | 94,875,000 |
| U-P2-Bq-224 | D.3.9 | Inspection and Test | L.S. | 1 | 75,289,100 | 0 | 54,320,300 | 129,609,400 | 75,289,100 | 0 | 54,320,300 | 129,609,400 |
| U-P2-Bq-225 | D.3.10 | Spare Parts | L.S. | 1 | 153,990,500 | 0 | 21,187,600 | 175,178,100 | 153,990,500 | 0 | 21,187,600 | 175,178,100 |
| U-P2-Bq-226 | D.3.11 | Maintenance Tools | L.S. | 1 | 43,112,300 | 0 | 5,931,900 | 49,044,200 | 43,112,300 | 0 | 5,931,900 | 49,044,200 |
| U-P2-Bq-227 | D.4 | Pump Electrical Works | | | | | | | | | | |
| U-P2-Bq-228 | D.4.1 | Main Control Panel | L.S. | 1 | 899,582,500 | 0 | 123,773,500 | 1,023,356,000 | 899,582,500 | 0 | 123,773,500 | 1,023,356,000 |
| U-P2-Bq-229 | D.4.2 | Local Switch | L.S. | 1 | 17,447,900 | 0 | 2,400,700 | 19,848,600 | 17,447,900 | 0 | 2,400,700 | 19,848,600 |
| U-P2-Bq-230 | D.4.3 | Inspection and Test | L.S. | 1 | 26,778,100 | 0 | 3,684,400 | 30,462,500 | 26,778,100 | 0 | 3,684,400 | 30,462,500 |
| U-P2-Bq-231 | D.4.4 | Spare Parts | L.S. | 1 | 33,532,400 | 0 | 4,613,800 | 38,146,200 | 33,532,400 | 0 | 4,613,800 | 38,146,200 |
| U-P2-Bq-232 | D.4.5 | Maintenance Tools | L.S. | 1 | 37,680,200 | 0 | 5,184,500 | 42,864,700 | 37,680,200 | 0 | 5,184,500 | 42,864,700 |
| U-P2-Bq-233 | D.4.6 | Control Panels for Auxiliary Drainage Pumps | L.S. | 1 | 85,157,000 | 0 | 11,716,800 | 96,873,800 | 85,157,000 | 0 | 11,716,800 | 96,873,800 |
| U-P2-Bq-234 | D.4.7 | Generator System | L.S. | | | | | | | | | |
| U-P2-Bq-235 | D.5 | Inspection Bridges | | | | | | | | | | |
| U-P2-Bq-236 | D.5.1 | Concrete, Type B including Formwork | m ³ | 57 | 157,340 | 44,490 | 348,230 | 550,060 | 8,968,380 | 2,535,930 | 19,849,110 | 31,353,420 |
| U-P2-Bq-237 | D.5.2 | Deformed Reinforcing Bars | kg | 3150 | 1,558 | 3,122 | 3,797 | 8,477 | 4,906,755 | 9,834,300 | 11,961,810 | 26,702,865 |
| U-P2-Bq-238 | D.5.3 | Safety Hand Rail (Type I) | kg | 210 | 2,298 | 1,051 | 4,848 | 8,197 | 482,580 | 220,710 | 1,018,080 | 1,721,370 |
| U-P2-Bq-239 | D.6 | Asin Pumping Station Bridge | | | | | | | | | | |
| U-P2-Bq-240 | | Superstructure | | | | | | | | | | |
| U-P2-Bq-241 | D.6.1 | Precast Prestressed Concrete Beam including Tensioning and Erection | L.S. | 1 | 179,353,600 | 17,184,300 | 197,662,800 | 394,200,700 | 179,353,600 | 17,184,300 | 197,662,800 | 394,200,700 |
| U-P2-Bq-242 | D.6.2 | Precast Prestressed Concrete Diaphragm including Tensioning and Erection | L.S. | 1 | 17,282,500 | 2,355,700 | 12,356,800 | 31,995,000 | 17,282,500 | 2,355,700 | 12,356,800 | 31,995,000 |
| U-P2-Bq-243 | D.6.3 | Precast Concrete Panel including Erection | L.S. | 1 | 1,955,000 | 1,975,500 | 7,163,500 | 11,094,000 | 1,955,000 | 1,975,500 | 7,163,500 | 11,094,000 |

Table 5.2.2 (7/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|-------------|----------|--|----------------|----------|-------------|-----------|-------------|-----------------|-------------|------------|-------------|-------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P2-Bq-244 | D.6.4 | Deformed Reinforcing Bars | kg | 4760 | 1,402 | 2,810 | 3,418 | 7,629 | 6,673,044 | 13,374,648 | 16,267,776 | 36,315,468 |
| U-P2-Bq-245 | D.6.5 | Concrete, Type B including Formwork | m ³ | 35 | 177,400 | 44,550 | 398,150 | 620,100 | 6,209,000 | 1,559,250 | 13,935,250 | 21,703,500 |
| U-P2-Bq-246 | D.6.6 | Asphalt Concrete | ton | 20 | 874 | 548 | 2,151 | 3,573 | 17,480 | 10,960 | 43,020 | 71,460 |
| U-P2-Bq-247 | D.6.7 | Expansion Joint | m | 12 | 11,571 | 657 | 10,657 | 22,886 | 138,857 | 7,886 | 127,886 | 274,629 |
| U-P2-Bq-248 | D.6.8 | Hand Rail | kg | 50 | 2,298 | 1,051 | 4,848 | 8,197 | 114,900 | 52,550 | 242,400 | 409,850 |
| U-P2-Bq-249 | D.6.9 | Drain Pipe, PVC Pipe Dia. 100 mm | m | 12 | 3,920 | 4,240 | 15,210 | 23,370 | 47,040 | 50,880 | 182,520 | 280,440 |
| U-P2-Bq-250 | D.6.11 | Elastomeric Bearing Pad (350 x280 x 73) | No. | 6 | 511,000 | 602,000 | 1,011,500 | 2,124,500 | 3,066,000 | 3,612,000 | 6,069,000 | 12,747,000 |
| U-P2-Bq-251 | D.6.12 | Rubber Sheet (40 x 10 x 3) | No. | 6 | 103,540 | 231,000 | 283,280 | 617,820 | 621,240 | 1,386,000 | 1,699,680 | 3,706,920 |
| U-P2-Bq-252 | | (Sub Structure) | | | | | | | | | | |
| U-P2-Bq-253 | D.6.13 | Structure Excavation | m ³ | 340 | 18,170 | 350 | 14,250 | 32,770 | 6,177,800 | 119,000 | 4,845,000 | 11,141,800 |
| U-P2-Bq-254 | D.6.14 | Backfill with Sandy Soil | m ³ | 292 | 16,300 | 1,620 | 37,430 | 55,350 | 4,759,600 | 473,040 | 10,929,560 | 16,162,200 |
| U-P2-Bq-255 | D.6.15 | Furnishing and Driving PC Piles, Dia. 500 mm | m | 927 | 288,190 | 290 | 76,240 | 364,720 | 267,152,130 | 268,830 | 70,674,480 | 338,095,440 |
| U-P2-Bq-256 | D.6.16 | Furnishing and Driving PC Test Pile, Dia. 500mm | m | 38 | 322,900 | 320 | 115,080 | 438,300 | 12,270,200 | 12,160 | 4,373,040 | 16,655,400 |
| U-P2-Bq-257 | D.6.17 | Concrete, Type C1 including Formwork and Scaffolding | m ³ | 140 | 198,110 | 42,490 | 372,140 | 612,740 | 27,735,400 | 5,948,600 | 52,099,600 | 85,783,600 |
| U-P2-Bq-258 | D.6.18 | Concrete, Type E including Formwork | m ³ | 10 | 77,630 | 37,610 | 206,780 | 322,020 | 776,300 | 376,100 | 2,067,800 | 3,220,200 |
| U-P2-Bq-259 | D.6.19 | Deformed Reinforcing Bars | kg | 14610 | 1,402 | 2,810 | 3,418 | 7,629 | 20,481,759 | 41,051,178 | 49,931,136 | 111,464,073 |
| U-P2-Bq-260 | D.7 | Fuel Tank | | | | | | | | | | |
| U-P2-Bq-261 | D.7.1 | Structural Excavation | m ³ | 690 | 18,170 | 350 | 14,250 | 32,770 | 12,537,300 | 241,500 | 9,832,500 | 22,611,300 |
| U-P2-Bq-262 | D.7.2 | Backfill | m ³ | 564 | 9,940 | 120 | 7,340 | 17,400 | 5,606,160 | 67,680 | 4,139,760 | 9,813,600 |
| U-P2-Bq-263 | D.7.3 | Concrete, Type C1 including Formwork | m ³ | 52 | 306,400 | 42,750 | 523,460 | 872,610 | 15,932,800 | 2,223,000 | 27,219,920 | 45,375,720 |
| U-P2-Bq-264 | D.7.4 | Concrete, Type E including Formwork | m ³ | 4 | 81,930 | 37,610 | 228,140 | 347,680 | 327,720 | 150,440 | 912,560 | 1,390,720 |
| U-P2-Bq-265 | D.7.5 | Deformed Reinforcing Bars | kg | 7220 | 1,558 | 3,122 | 3,797 | 8,477 | 11,246,594 | 22,540,840 | 27,417,228 | 61,204,662 |
| U-P2-Bq-266 | D.7.6 | Fuel Tank and Accessories | L.S. | 1 | 200,271,200 | 0 | 27,555,300 | 227,826,500 | 200,271,200 | 0 | 27,555,300 | 227,826,500 |
| U-P2-Bq-267 | D.7.7 | Grounding | L.S. | 1 | 10,842,000 | 0 | 1,491,800 | 12,333,800 | 10,842,000 | 0 | 1,491,800 | 12,333,800 |
| U-P2-Bq-268 | E | ASIN PUMPING STATION GATE | | | | | | | | | | |
| U-P2-Bq-269 | E.1 | Gate Pier and Foundation | | | | | | | | | | |
| U-P2-Bq-270 | E.1.1 | Structural Excavation | m ³ | 470 | 18,170 | 350 | 14,250 | 32,770 | 8,539,900 | 164,500 | 6,697,500 | 15,401,900 |
| U-P2-Bq-271 | E.1.2 | Backfill with Sandy Soil | m ³ | 225 | 16,300 | 1,620 | 37,430 | 55,350 | 3,667,500 | 364,500 | 8,421,750 | 12,453,750 |
| U-P2-Bq-272 | E.1.3 | Concrete, Type C1 including Formwork, Scaffolding, and Falsework | m ³ | 406 | 232,650 | 42,570 | 399,930 | 675,150 | 94,455,900 | 17,283,420 | 162,371,580 | 274,110,900 |
| U-P2-Bq-273 | E.1.4 | Concrete, Type E including Formwork | m ³ | 19 | 76,340 | 37,610 | 200,370 | 314,320 | 1,450,460 | 714,590 | 3,807,030 | 5,972,080 |
| U-P2-Bq-274 | E.1.5 | Secondary Concrete, Type C2 | m ³ | 10 | 116,320 | 42,250 | 273,650 | 432,220 | 1,163,200 | 422,500 | 2,736,500 | 4,322,200 |
| U-P2-Bq-275 | E.1.6 | Deformed Reinforcing Bars | kg | 26710 | 1,402 | 2,810 | 3,418 | 7,629 | 37,444,749 | 75,049,758 | 91,284,096 | 203,778,603 |
| U-P2-Bq-276 | E.1.7 | Water Stop, 200 mm wide | m | 13 | 61,278 | 0 | 6,022 | 67,300 | 796,614 | 0 | 78,286 | 874,900 |
| U-P2-Bq-277 | E.1.8 | Dowel Bar, Dia. 19 mm, 1.0 m Long (Round Bar and PVC Pipe) | kg | 120 | 3,370 | 5,710 | 11,010 | 20,090 | 404,400 | 685,200 | 1,321,200 | 2,410,800 |
| U-P2-Bq-278 | E.1.9 | Furnishing and Driving PC Piles, Dia. 500 mm | m | 582 | 281,060 | 260 | 70,490 | 351,810 | 163,576,920 | 151,320 | 41,025,180 | 204,753,420 |
| U-P2-Bq-279 | E.1.10 | Furnishing and Driving Steel Sheet Pile, Type | m | 454 | 348,510 | 80 | 39,230 | 387,820 | 158,223,540 | 36,320 | 17,810,420 | 176,070,280 |
| U-P2-Bq-280 | E.1.11 | Gabion Mattress t=500 mm (Galvanized) | m ³ | 38 | 659,260 | 3,060 | 142,060 | 804,380 | 25,051,880 | 116,280 | 5,398,280 | 30,566,440 |
| U-P2-Bq-281 | E.1.12 | Safety Hand Rail (Type-I) | kg | 300 | 2,049 | 481 | 4,231 | 6,761 | 614,700 | 144,300 | 1,269,300 | 2,028,300 |
| U-P2-Bq-282 | E.1.13 | Ladder | L.S. | 1 | 200,800 | 47,100 | 414,600 | 662,500 | 200,800 | 47,100 | 414,600 | 662,500 |
| U-P2-Bq-283 | E.1.14 | Window | L.S. | 1 | 68,000 | 33,400 | 304,200 | 405,600 | 68,000 | 33,400 | 304,200 | 405,600 |
| U-P2-Bq-284 | E.1.15 | Door | L.S. | 1 | 30,900 | 0 | 153,200 | 184,100 | 30,900 | 0 | 153,200 | 184,100 |
| U-P2-Bq-285 | E.1.16 | Roof Sealing | L.S. | 1 | 2,932,900 | 2,216,900 | 7,211,100 | 12,360,900 | 2,932,900 | 2,216,900 | 7,211,100 | 12,360,900 |
| U-P2-Bq-286 | E.2 | Gate Mechanical Works | | | | | | | | | | |
| U-P2-Bq-287 | E.2.1 | Gate Leaf | set | 2 | 172,364,400 | 0 | 201,690,500 | 374,054,900 | 344,728,800 | 0 | 403,381,000 | 748,109,800 |
| U-P2-Bq-288 | E.2.2 | Guide Frame | set | 2 | 50,626,700 | 0 | 148,754,700 | 199,381,400 | 101,253,400 | 0 | 297,509,400 | 398,762,800 |

Table 5.2.2 (8/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|-------------|----------|--|----------------|----------|---------------|------------|-------------|-----------------|---------------|------------|-------------|---------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P2-Bq-289 | E.2.3 | Hoist | set | 2 | 590,512,100 | 0 | 158,037,400 | 748,549,500 | 1,181,024,200 | 0 | 316,074,800 | 1,497,099,000 |
| U-P2-Bq-290 | E.2.4 | Stop Log | set | 2 | 104,432,300 | 0 | 113,073,300 | 217,505,600 | 208,864,600 | 0 | 226,146,600 | 435,011,200 |
| U-P2-Bq-291 | E.2.5 | Spare Part | L.S. | 1 | 104,432,300 | 0 | 113,073,300 | 217,505,600 | 104,432,300 | 0 | 113,073,300 | 217,505,600 |
| U-P2-Bq-292 | F | BUILDINGS | | | | | | | | | | |
| U-P2-Bq-293 | F.1 | Buildings | | | | | | | | | | |
| U-P2-Bq-294 | F.1.1 | Pump Control Building | L.S. | 1 | 100,372,200 | 22,375,900 | 241,546,000 | 364,294,100 | 100,372,200 | 22,375,900 | 241,546,000 | 364,294,100 |
| U-P2-Bq-295 | F.1.2 | Management Office | L.S. | 1 | 37,551,400 | 14,961,500 | 169,053,400 | 221,566,300 | 37,551,400 | 14,961,500 | 169,053,400 | 221,566,300 |
| U-P2-Bq-296 | F.1.3 | Garage | L.S. | 1 | 42,464,800 | 17,172,400 | 191,106,900 | 250,744,100 | 42,464,800 | 17,172,400 | 191,106,900 | 250,744,100 |
| U-P2-Bq-297 | F.1.4 | Staff House | L.S. | 1 | 21,255,300 | 7,906,500 | 96,930,600 | 126,092,400 | 21,255,300 | 7,906,500 | 96,930,600 | 126,092,400 |
| U-P2-Bq-298 | F.1.5 | External Works | L.S. | 1 | 30,998,800 | 6,912,200 | 98,294,900 | 136,205,900 | 30,998,800 | 6,912,200 | 98,294,900 | 136,205,900 |
| U-P2-Bq-299 | G | ASIN RETARDING POND | | | | | | | | | | |
| U-P2-Bq-300 | G.1 | Earth Works | | | | | | | | | | |
| U-P2-Bq-301 | G.1.1 | Common Excavation including Hauling and Spoiling | m ³ | 34200 | 20,350 | 410 | 15,830 | 36,590 | 695,970,000 | 14,022,000 | 541,386,000 | 1,251,378,000 |
| U-P2-Bq-302 | G.1.2 | Embankment | m ³ | 4843 | 26,300 | 1,210 | 38,300 | 65,810 | 127,370,900 | 5,860,030 | 185,486,900 | 318,717,830 |
| U-P2-Bq-303 | G.2 | Revetment Works | | | | | | | | | | |
| U-P2-Bq-304 | G.2.1 | Coffering and Dewatering | L.S. | 1 | 50,055,800 | 1,487,500 | 44,368,200 | 95,911,500 | 50,055,800 | 1,487,500 | 44,368,200 | 95,911,500 |
| U-P2-Bq-305 | G.2.2 | Structural Excavation | m ³ | 3090 | 18,170 | 350 | 14,250 | 32,770 | 56,145,300 | 1,081,500 | 44,032,500 | 101,259,300 |
| U-P2-Bq-306 | G.2.3 | Backfill with Cobble | m ³ | 649 | 17,827 | 2,154 | 48,252 | 68,233 | 11,569,723 | 1,397,946 | 31,315,548 | 44,283,217 |
| U-P2-Bq-307 | G.2.4 | Backfill with Gravel | m ³ | 557 | 18,580 | 4,060 | 88,210 | 110,850 | 10,349,060 | 2,261,420 | 49,132,970 | 61,743,450 |
| U-P2-Bq-308 | G.2.5 | Backfill with Sandy Soil | m ³ | 6 | 16,300 | 1,620 | 37,430 | 55,350 | 97,800 | 9,720 | 224,580 | 332,100 |
| U-P2-Bq-309 | G.2.6 | Wet Stone Masonry | m ³ | 1440 | 46,070 | 28,800 | 200,020 | 274,890 | 66,340,800 | 41,472,000 | 288,028,800 | 395,841,600 |
| U-P2-Bq-310 | G.2.7 | Concrete, Type C1 including Formwork | m ³ | 155 | 151,350 | 44,160 | 557,130 | 752,640 | 23,459,250 | 6,844,800 | 86,355,150 | 116,659,200 |
| U-P2-Bq-311 | G.2.8 | Concrete, Type E including Formwork | m ³ | 36 | 99,690 | 37,610 | 316,340 | 453,640 | 3,588,840 | 1,353,960 | 11,388,240 | 16,331,040 |
| U-P2-Bq-312 | G.2.9 | Deformed Reinforcing Bars | kg | 15990 | 1,367 | 3,121 | 3,667 | 8,154 | 21,851,934 | 49,903,191 | 58,632,132 | 130,387,257 |
| U-P2-Bq-313 | G.2.10 | Pointing | m ² | 1895 | 2,000 | 1,010 | 8,900 | 11,910 | 3,790,000 | 1,913,950 | 16,865,500 | 22,569,450 |
| U-P2-Bq-314 | G.2.11 | Weep Hole, Dia.50mm | No. | 292 | 3,147 | 909 | 14,500 | 18,556 | 918,881 | 265,455 | 4,234,000 | 5,418,336 |
| U-P2-Bq-315 | G.2.12 | Log Pile, Dia. 150 mm L=2.0 m | m | 2225 | 18,940 | 190 | 20,950 | 40,080 | 42,141,500 | 422,750 | 46,613,750 | 89,178,000 |
| U-P2-Bq-316 | G.2.13 | Furnishing and Driving PC Sheet Pile (t=220 mm) | m | 8789 | 253,780 | 140 | 35,080 | 289,000 | 2,230,472,420 | 1,230,460 | 308,318,120 | 2,540,021,000 |
| U-P2-Bq-317 | G.3 | Inspection Road | | | | | | | | | | |
| U-P2-Bq-318 | G.3.1 | Stripping of Top Soil | m ³ | 748 | 16,920 | 350 | 11,920 | 29,190 | 12,656,160 | 261,800 | 8,916,160 | 21,834,120 |
| U-P2-Bq-319 | G.3.2 | Embankment | m ³ | 951 | 26,300 | 1,210 | 38,300 | 65,810 | 25,011,300 | 1,150,710 | 36,423,300 | 62,585,310 |
| U-P2-Bq-320 | G.3.3 | Aggregate Class A | m ³ | 588 | 35,670 | 4,370 | 97,910 | 137,950 | 20,973,960 | 2,569,560 | 57,571,080 | 81,114,600 |
| U-P2-Bq-321 | G.3.4 | Aggregate Class B | m ³ | 893 | 35,010 | 4,370 | 97,420 | 136,800 | 31,263,930 | 3,902,410 | 86,996,060 | 122,162,400 |
| U-P2-Bq-322 | G.3.5 | Sand Bedding | m ³ | 236 | 7,420 | 1,490 | 35,340 | 44,250 | 1,751,120 | 351,640 | 8,340,240 | 10,443,000 |
| U-P2-Bq-323 | G.3.6 | Concrete Block Pavement | m ² | 3736 | 10,710 | 5,700 | 47,480 | 63,890 | 40,012,560 | 21,295,200 | 177,385,280 | 238,693,040 |
| U-P2-Bq-324 | G.3.7 | Cement Mortar | m ³ | 10 | 15,900 | 8,000 | 70,700 | 94,600 | 159,000 | 80,000 | 707,000 | 946,000 |
| U-P2-Bq-325 | G.3.8 | Concrete Kerb | m ³ | 91 | 155,430 | 43,070 | 578,300 | 776,800 | 14,144,130 | 3,919,370 | 52,625,300 | 70,688,800 |
| U-P2-Bq-326 | H | MISCELLANEOUS WORKS | | | | | | | | | | |
| U-P2-Bq-327 | H.1 | Tree Planting | L.S. | 1 | 31,609,300 | 139,500 | 156,863,200 | 188,612,000 | 31,609,300 | 139,500 | 156,863,200 | 188,612,000 |
| U-P2-Bq-328 | H.2 | Staff Gauge | L.S. | 1 | 20,736,300 | 352,650 | 54,964,950 | 76,053,900 | 20,736,300 | 352,650 | 54,964,950 | 76,053,900 |
| U-P2-Bq-329 | I | SUPPLYING MAINTENANCE EQUIPMENT | | | | | | | | | | |
| U-P2-Bq-330 | I.1 | Supplying Maintenance Equipment | | 1 | 1,609,325,300 | 200,000 | 72,262,300 | 1,681,787,600 | 1,609,325,300 | 200,000 | 72,262,300 | 1,681,787,600 |

Table 5.2.2 (9/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | | |
|-------------------|----------|-------------------------------|------|----------|-----------|------|-----|-----------------|----------------|---------------|----------------|----------------|--|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost | |
| U-P2-Bq-331 | I.1.1 | Supply of Backhoe | No. | 1 | | | | | | | | | |
| U-P2-Bq-332 | I.1.2 | Supply of Dump Truck | No. | 1 | | | | | | | | | |
| U-P2-Bq-333 | I.1.3 | Supply of Truck Crane | No. | 1 | | | | | | | | | |
| U-P2-Bq-334 | I.1.4 | Supply of Garbage Container | No. | 2 | | | | | | | | | |
| U-P2-Bq-335 | I.1.5 | Supply of Outboard Motor Boat | No. | 1 | | | | | | | | | |
| Total Cost | | | | | | | | | | | | | |
| | | | | | | | | | 46,135,281,652 | 3,286,240,717 | 32,188,662,029 | 81,610,184,398 | |

Table 5.2.3 (1/8) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-3

FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT
IN SEMARANG

Component: Urban Drainage System Improvement
Package 3: Bandarharjo Drainage System Improvement
BILL OF QUANTITIES

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|------------|------------|---|----------------|----------|---------------|------------|-------------|-----------------|---------------|-------------|---------------|---------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P3-Bq-1 | A | GENERAL | | | | | | | | | | |
| U-P3-Bq-2 | A.1 | Mobilization and Demobilization | L.S. | 1 | 74,654,900 | 1,430,000 | 52,591,100 | 128,676,000 | 74,654,900 | 1,430,000 | 52,591,100 | 128,676,000 |
| U-P3-Bq-3 | A.2 | Establishment | | | | | | | | | | |
| U-P3-Bq-4 | A.2.1 | Contractor's Site Office and Facilities | L.S. | 1 | 38,746,200 | 10,067,200 | 122,313,400 | 171,126,800 | 38,746,200 | 10,067,200 | 122,313,400 | 171,126,800 |
| U-P3-Bq-5 | A.2.2 | Engineer's Site Office and Facilities | L.S. | 1 | 38,746,200 | 10,067,200 | 122,313,400 | 171,126,800 | 38,746,200 | 10,067,200 | 122,313,400 | 171,126,800 |
| U-P3-Bq-6 | A.3 | Drawings | L.S. | 1 | 12,218,200 | 600,000 | 48,630,600 | 61,448,800 | 12,218,200 | 600,000 | 48,630,600 | 61,448,800 |
| U-P3-Bq-7 | A.4 | Surveying | L.S. | 1 | 1,484,000 | 0 | 7,371,000 | 8,855,000 | 1,484,000 | 0 | 7,371,000 | 8,855,000 |
| U-P3-Bq-8 | A.5 | Relocation/Demolition of Existing Facilities | | | | | | | | | | |
| U-P3-Bq-9 | A.5.1 | Relocation of Existing Utilities | L.S. | 1 | 1,313,700 | 0 | 6,525,000 | 7,838,700 | 1,313,700 | 0 | 6,525,000 | 7,838,700 |
| U-P3-Bq-10 | B | BARU RIVER IMPROVEMENT | | | | | | | | | | |
| U-P3-Bq-11 | B.1 | Preparatory Works | | | | | | | | | | |
| U-P3-Bq-12 | B.1.1 | Coffering and Dewatering | L.S. | 1 | 1,095,158,600 | 19,559,100 | 452,120,900 | 1,566,838,600 | 1,095,158,600 | 19,559,100 | 452,120,900 | 1,566,838,600 |
| U-P3-Bq-13 | B.1.2 | Clearing of Garbage | L.S. | 1 | 1,309,100 | 14,300 | 1,244,200 | 2,567,600 | 1,309,100 | 14,300 | 1,244,200 | 2,567,600 |
| U-P3-Bq-14 | B.1.3 | Demolition of Existing Revetment | L.S. | 1 | 102,557,000 | 642,000 | 72,431,000 | 175,630,000 | 102,557,000 | 642,000 | 72,431,000 | 175,630,000 |
| U-P3-Bq-15 | B.2 | Earthwork | | | | | | | | | | |
| U-P3-Bq-16 | B.2.1 | Common Channel Excavation including hauling and treatment of contaminated soil | m ³ | 28000 | 72,507 | 8,801 | 80,991 | 162,299 | 2,030,196,000 | 246,428,000 | 2,267,748,000 | 4,544,372,000 |
| U-P3-Bq-17 | B.2.2 | Channel Excavation below Water Level including hauling and treatment of contaminated soil | m ³ | 5200 | 99,804 | 8,788 | 93,266 | 201,858 | 518,980,800 | 45,697,600 | 484,983,200 | 1,049,661,600 |
| U-P3-Bq-18 | B.2.3 | Stripping of Top Soil | m ³ | 1508 | 16,920 | 350 | 11,920 | 29,190 | 25,515,360 | 527,800 | 17,975,360 | 44,018,520 |
| U-P3-Bq-19 | B.2.4 | Embankment | m ³ | 2974 | 26,300 | 1,210 | 38,300 | 65,810 | 78,216,200 | 3,598,540 | 113,904,200 | 195,718,940 |
| U-P3-Bq-20 | B.3 | Revetment Type A-3 (wet masonry) | | | | | | | | | | |
| U-P3-Bq-21 | B.3.1 | Structural Excavation | m ³ | 12460 | 18,170 | 350 | 14,250 | 32,770 | 226,398,200 | 4,361,000 | 177,555,000 | 408,314,200 |
| U-P3-Bq-22 | B.3.2 | Backfill with Cobble | m ³ | 2365 | 17,827 | 2,154 | 48,252 | 68,233 | 42,160,855 | 5,094,210 | 114,115,980 | 161,371,045 |
| U-P3-Bq-23 | B.3.3 | Backfill with Gravel | m ³ | 3740 | 18,580 | 4,060 | 88,210 | 110,850 | 69,489,200 | 15,184,400 | 329,905,400 | 414,579,000 |
| U-P3-Bq-24 | B.3.4 | Backfill with Sandy Soil | m ³ | 545 | 16,300 | 1,620 | 37,430 | 55,350 | 8,883,500 | 882,900 | 20,399,350 | 30,165,750 |
| U-P3-Bq-25 | B.3.5 | Concrete, Type C1 including Formwork | m ³ | 1512 | 161,680 | 42,250 | 497,380 | 701,310 | 244,460,160 | 63,882,000 | 752,038,560 | 1,060,380,720 |
| U-P3-Bq-26 | B.3.6 | Concrete, Type E including Formwork | m ³ | 398 | 100,690 | 37,610 | 321,280 | 459,580 | 40,074,620 | 14,968,780 | 127,869,440 | 182,912,840 |
| U-P3-Bq-27 | B.3.7 | Deformed Reinforcing Bars | kg | 70120 | 1,230 | 2,809 | 3,300 | 7,339 | 86,240,588 | 196,960,068 | 231,403,012 | 514,603,668 |
| U-P3-Bq-28 | B.3.8 | Wet Stone Masonry | m ³ | 3510 | 46,070 | 28,800 | 200,020 | 274,890 | 161,705,700 | 101,088,000 | 702,070,200 | 964,863,900 |
| U-P3-Bq-29 | B.3.9 | Pointing | m ² | 12731 | 2,000 | 1,010 | 8,900 | 11,910 | 25,462,000 | 12,858,310 | 113,305,900 | 151,626,210 |
| U-P3-Bq-30 | B.3.10 | Weep Hole, Dia. 50 mm | No. | 4472 | 3,147 | 909 | 14,500 | 18,556 | 14,072,727 | 4,065,455 | 64,844,000 | 82,982,182 |
| U-P3-Bq-31 | B.4 | Revetment Type-C (concrete sheet pile) | | | | | | | | | | |
| U-P3-Bq-32 | B.4.1 | Furnishing and Driving PC Sheet Pile (t=220 mm) | m | 5356 | 253,780 | 140 | 35,080 | 289,000 | 1,359,245,680 | 749,840 | 187,888,480 | 1,547,884,000 |

Table 5.2.3 (2/8) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-3

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|--------------|------------|---|----------------|----------|------------|-----------|------------|-----------------|------------|------------|-------------|-------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P3-Bq-33 | B.4.2 | Concrete, Type C1 including Formwork | m ³ | 9 | 150,200 | 44,160 | 551,450 | 745,810 | 1,351,800 | 397,440 | 4,963,050 | 6,712,290 |
| U-P3-Bq-34 | B.4.3 | Deformed Reinforcing Bars | kg | 2650 | 1,367 | 3,121 | 3,667 | 8,154 | 3,621,490 | 8,270,385 | 9,717,020 | 21,608,895 |
| U-P3-Bq-35 | B.5 | Inspection Road | | | | | | | | | | |
| U-P3-Bq-41.1 | B.5.1 | Sand Bedding | m ³ | 542 | 7,420 | 1,490 | 35,340 | 44,250 | 4,021,640 | 807,580 | 19,154,280 | 23,983,500 |
| U-P3-Bq-41.2 | B.5.2 | Concrete Block Pavement | m ² | 8610 | 10,710 | 5,700 | 47,480 | 63,890 | 92,213,100 | 49,077,000 | 408,802,800 | 550,092,900 |
| U-P3-Bq-41.3 | B.5.3 | Cement Mortar | m ³ | 21 | 15,900 | 8,000 | 70,700 | 94,600 | 333,900 | 168,000 | 1,484,700 | 1,986,600 |
| U-P3-Bq-41.4 | B.5.4 | Concrete Kerb | m ³ | 207 | 155,430 | 43,070 | 578,300 | 776,800 | 32,174,010 | 8,915,490 | 119,708,100 | 160,797,600 |
| U-P3-Bq-42 | B.6 | Closing Structure of Baru River | | | | | | | | | | |
| U-P3-Bq-50 | B.6.1 | Coffering and Dewatering | L.S. | 1 | 29,384,600 | 1,079,000 | 18,057,100 | 48,520,700 | 29,384,600 | 1,079,000 | 18,057,100 | 48,520,700 |
| U-P3-Bq-43 | B.6.2 | Structural Excavation | m ³ | 10 | 18,170 | 350 | 14,250 | 32,770 | 181,700 | 3,500 | 142,500 | 327,700 |
| U-P3-Bq-44 | B.6.3 | Backfill | m ³ | 2 | 9,940 | 120 | 7,340 | 17,400 | 19,880 | 240 | 14,680 | 34,800 |
| U-P3-Bq-45 | B.6.4 | Chipping of Existing Concrete Surface | m ² | 11 | 3,690 | 0 | 18,310 | 22,000 | 40,590 | 0 | 201,410 | 242,000 |
| U-P3-Bq-46 | B.6.5 | Concrete, Type C1 including Formwork | m ³ | 38 | 96,130 | 44,160 | 284,740 | 425,030 | 3,652,940 | 1,678,080 | 10,820,120 | 16,151,140 |
| U-P3-Bq-47 | B.6.6 | Concrete, Type E including Formwork | m ³ | 2 | 81,930 | 37,610 | 228,140 | 347,680 | 163,860 | 75,220 | 456,280 | 695,360 |
| U-P3-Bq-48 | B.6.7 | Deformed Reinforcing Bars | kg | 2210 | 1,367 | 3,121 | 3,667 | 8,154 | 3,020,186 | 6,897,189 | 8,103,628 | 18,021,003 |
| U-P3-Bq-49 | B.6.8 | Furnishing and Driving Steel Sheet Pile, Type II | m | 235 | 348,510 | 80 | 39,230 | 387,820 | 81,899,850 | 18,800 | 9,219,050 | 91,137,700 |
| U-P3-Bq-51 | B.7 | Outlet Works of Baru Conveyance Channel | | | | | | | | | | |
| U-P3-Bq-52 | B.7.1 | Structural Excavation | m ³ | 250 | 18,170 | 350 | 14,250 | 32,770 | 4,542,500 | 87,500 | 3,562,500 | 8,192,500 |
| U-P3-Bq-53 | B.7.2 | Backfill with Sandy Soil | m ³ | 169 | 16,300 | 1,620 | 37,430 | 55,350 | 2,754,700 | 273,780 | 6,325,670 | 9,354,150 |
| U-P3-Bq-54 | B.7.3 | Concrete, Type C1 including Formwork, Scaffolding and Falsework | m ³ | 35 | 322,400 | 42,790 | 547,100 | 912,290 | 11,284,000 | 1,497,650 | 19,148,500 | 31,930,150 |
| U-P3-Bq-55 | B.7.4 | Concrete, Type E including Formwork | m ³ | 3 | 81,930 | 37,610 | 228,140 | 347,680 | 245,790 | 112,830 | 684,420 | 1,043,040 |
| U-P3-Bq-56 | B.7.5 | Deformed Reinforcing Bars | kg | 2470 | 1,558 | 3,122 | 3,797 | 8,477 | 3,847,519 | 7,711,340 | 9,379,578 | 20,938,437 |
| U-P3-Bq-57 | B.7.6 | Wet Stone Masonry | m ³ | 20 | 46,070 | 28,800 | 200,020 | 274,890 | 921,400 | 576,000 | 4,000,400 | 5,497,800 |
| U-P3-Bq-57.1 | B.7.7 | Weep Hole, Dia. 50 mm | No. | 14 | 3,147 | 909 | 14,500 | 18,556 | 44,056 | 12,727 | 203,000 | 259,783 |
| U-P3-Bq-57.2 | B.7.8 | Pointing | m ² | 19 | 2,000 | 1,010 | 8,900 | 11,910 | 38,000 | 19,190 | 169,100 | 226,290 |
| U-P3-Bq-62 | B.8 | Outlet Works of Bandarhardjo East Secondary Channel | | | | | | | | | | |
| U-P3-Bq-63 | B.8.1 | Structural Excavation | m ³ | 250 | 18,170 | 350 | 14,250 | 32,770 | 4,542,500 | 87,500 | 3,562,500 | 8,192,500 |
| U-P3-Bq-64 | B.8.2 | Backfill | m ³ | 145 | 9,940 | 120 | 7,340 | 17,400 | 1,441,300 | 17,400 | 1,064,300 | 2,523,000 |
| U-P3-Bq-65 | B.8.3 | Concrete, Type C1 including Formwork, Scaffolding and Falsework | m ³ | 30 | 341,470 | 42,850 | 583,380 | 967,700 | 10,244,100 | 1,285,500 | 17,501,400 | 29,031,000 |
| U-P3-Bq-66 | B.8.4 | Concrete, Type E including Formwork | m ³ | 3 | 89,670 | 37,610 | 266,580 | 393,860 | 269,010 | 112,830 | 799,740 | 1,181,580 |
| U-P3-Bq-67 | B.8.5 | Deformed Reinforcing Bars | kg | 1710 | 1,558 | 3,122 | 3,797 | 8,477 | 2,663,667 | 5,338,620 | 6,493,554 | 14,495,841 |
| U-P3-Bq-68 | B.9 | Secondary Channel Outlet Reconstruction | | | | | | | | | | |
| U-P3-Bq-69 | B.9.1 | Structural Excavation | m ³ | 850 | 18,170 | 350 | 14,250 | 32,770 | 15,444,500 | 297,500 | 12,112,500 | 27,854,500 |
| U-P3-Bq-70 | B.9.2 | Backfill | m ³ | 708 | 9,940 | 120 | 7,340 | 17,400 | 7,037,520 | 84,960 | 5,196,720 | 12,319,200 |
| U-P3-Bq-71 | B.9.3 | Concrete, Type C1 including Formwork | m ³ | 24 | 239,960 | 42,670 | 553,170 | 835,800 | 5,759,040 | 1,024,080 | 13,276,080 | 20,059,200 |
| U-P3-Bq-72 | B.9.4 | Concrete, Type E including Formwork | m ³ | 7 | 99,990 | 37,610 | 317,840 | 455,440 | 699,930 | 263,270 | 2,224,880 | 3,188,080 |
| U-P3-Bq-73 | B.9.5 | Deformed Reinforcing Bars | kg | 760 | 1,558 | 3,122 | 3,797 | 8,477 | 1,183,852 | 2,372,720 | 2,886,024 | 6,442,596 |
| U-P3-Bq-74 | B.9.6 | Wet Stone Masonry | m ³ | 150 | 46,070 | 28,800 | 200,020 | 274,890 | 6,910,500 | 4,320,000 | 30,003,000 | 41,233,500 |
| U-P3-Bq-79 | B.9.7 | Gravel Bedding | m ³ | 104 | 6,920 | 1,360 | 32,990 | 41,270 | 719,680 | 141,440 | 3,430,960 | 4,292,080 |
| U-P3-Bq-80 | B.9.8 | Cobble Stone | m ³ | 4 | 14,250 | 2,120 | 45,410 | 61,780 | 57,000 | 8,480 | 181,640 | 247,120 |

Table 5.2.3 (3/8) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-3

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|--------------|-------------|--|----------------|----------|---------------|---------|-------------|-----------------|---------------|-------------|-------------|---------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P3-Bq-81 | B.9.9 | Weep Hole, Dia. 50 mm | No. | 70 | 3,147 | 909 | 14,500 | 18,556 | 220,280 | 63,636 | 1,015,000 | 1,298,916 |
| U-P3-Bq-81.1 | B.9.10 | Pointing | m ² | 384 | 2,000 | 1,010 | 8,900 | 11,910 | 768,000 | 387,840 | 3,417,600 | 4,573,440 |
| U-P3-Bq-82 | B.9.11 | Log Pile, Dia. 150 mm L=2.0m | m | 11 | 18,940 | 190 | 20,950 | 40,080 | 208,340 | 2,090 | 230,450 | 440,880 |
| U-P3-Bq-83 | B.9.12 | Precast Concrete Pipe, Dia. 800 mm | m | 88 | 131,150 | 109,110 | 317,380 | 557,640 | 11,541,200 | 9,601,680 | 27,929,440 | 49,072,320 |
| U-P3-Bq-84 | B.10 | Bridge Protection | | | | | | | | | | |
| U-P3-Bq-89 | B.10.1 | Concrete, Type C1 including Formwork | m ³ | 6 | 155,890 | 44,160 | 579,540 | 779,590 | 935,340 | 264,960 | 3,477,240 | 4,677,540 |
| U-P3-Bq-91 | B.10.2 | Deformed Reinforcing Bars | kg | 950 | 1,367 | 3,121 | 3,667 | 8,154 | 1,298,270 | 2,964,855 | 3,483,460 | 7,746,585 |
| U-P3-Bq-95 | B.10.3 | Furnishing and Driving PC Sheet Pile (t=220 mm) | m | 588 | 253,780 | 140 | 35,080 | 289,000 | 149,222,640 | 82,320 | 20,627,040 | 169,932,000 |
| U-P3-Bq-96 | C | BARU PUMPING STATION | | | | | | | | | | |
| U-P3-Bq-97 | C.1 | Preparatory Works | | | | | | | | | | |
| U-P3-Bq-98 | C.1.1 | Demolition of Existing Revetment | L.S. | 1 | 21,182,000 | 409,000 | 19,352,000 | 40,943,000 | 21,182,000 | 409,000 | 19,352,000 | 40,943,000 |
| U-P3-Bq-99 | C.2 | Pumping Station | | | | | | | | | | |
| U-P3-Bq-100 | C.2.1 | Structural Excavation | m ³ | 950 | 18,170 | 350 | 14,250 | 32,770 | 17,261,500 | 332,500 | 13,537,500 | 31,131,500 |
| U-P3-Bq-101 | C.2.2 | Backfill | m ³ | 167 | 9,940 | 120 | 7,340 | 17,400 | 1,659,980 | 20,040 | 1,225,780 | 2,905,800 |
| U-P3-Bq-102 | C.2.3 | Embankment | m ³ | 968 | 26,300 | 1,210 | 38,300 | 65,810 | 25,458,400 | 1,171,280 | 37,074,400 | 63,704,080 |
| U-P3-Bq-103 | C.2.4 | Concrete, Type C1 including Formwork, Scaffolding and Falsework | m ³ | 996 | 187,650 | 42,460 | 342,700 | 572,810 | 186,899,400 | 42,290,160 | 341,329,200 | 570,518,760 |
| U-P3-Bq-104 | C.2.5 | Concrete, Type E including Formwork | m ³ | 41 | 78,360 | 37,610 | 210,390 | 326,360 | 3,212,760 | 1,542,010 | 8,625,990 | 13,380,760 |
| U-P3-Bq-104. | C.2.6 | Secondary Concrete, Type C2 | m ³ | 88 | 142,240 | 42,250 | 401,500 | 585,990 | 12,517,120 | 3,718,000 | 35,332,000 | 51,567,120 |
| U-P3-Bq-105 | C.2.7 | Deformed Reinforcing Bars | kg | 52040 | 1,402 | 2,810 | 3,418 | 7,629 | 72,954,876 | 146,221,992 | 177,851,904 | 397,028,772 |
| U-P3-Bq-106 | C.2.8 | Water Stop, 200 mm wide | m | 32 | 61,278 | 0 | 6,022 | 67,300 | 1,960,896 | 0 | 192,704 | 2,153,600 |
| U-P3-Bq-107 | C.2.9 | Furnishing and Driving PC Pile, Dia. 500 mm, Type A | m | 2994 | 281,830 | 260 | 71,120 | 353,210 | 843,799,020 | 778,440 | 212,933,280 | 1,057,510,740 |
| U-P3-Bq-108 | C.2.10 | Furnishing and Driving PC Test Pile, Dia. 500 mm, Type A | m | 21 | 316,550 | 290 | 109,960 | 426,800 | 6,647,550 | 6,090 | 2,309,160 | 8,962,800 |
| U-P3-Bq-109 | C.2.11 | Furnishing and Driving Steel Sheet Pile, Furnishing and Driving PC Sheet Pile (t=220 mm) | m | 399 | 348,510 | 80 | 39,230 | 387,820 | 139,055,490 | 31,920 | 15,652,770 | 154,740,180 |
| U-P3-Bq-110 | C.2.12 | Furnishing and Driving PC Sheet Pile (t=220 mm) | m | 944 | 253,780 | 140 | 35,080 | 289,000 | 239,568,320 | 132,160 | 33,115,520 | 272,816,000 |
| U-P3-Bq-110. | C.2.13 | Gabion Mattress, t=500 mm (Galvanized) | m ³ | 36 | 659,260 | 3,060 | 142,060 | 804,380 | 23,733,360 | 110,160 | 5,114,160 | 28,957,680 |
| U-P3-Bq-111 | C.2.14 | Safety Hand Rail (Type-I) | kg | 910 | 2,049 | 481 | 4,231 | 6,761 | 1,864,590 | 437,710 | 3,850,210 | 6,152,510 |
| U-P3-Bq-112 | C.2.15 | Safety Hand Rail (Type-II) | kg | 510 | 2,049 | 481 | 4,231 | 6,761 | 1,044,990 | 245,310 | 2,157,810 | 3,448,110 |
| U-P3-Bq-112. | C.2.16 | Dowel Bar, Dia. 19 mm, 1.0 m Long (Round Bar and PVC Pipe) | kg | 130 | 3,370 | 5,710 | 11,010 | 20,090 | 438,100 | 742,300 | 1,431,300 | 2,611,700 |
| U-P3-Bq-113 | C.2.17 | Wet Stone Masonry | m ³ | 30 | 46,070 | 28,800 | 200,020 | 274,890 | 1,382,100 | 864,000 | 6,000,600 | 8,246,700 |
| U-P3-Bq-113. | C.2.18 | Weep Hole, Dia. 50 mm | No. | 15 | 3,147 | 909 | 14,500 | 18,556 | 47,203 | 13,636 | 217,500 | 278,339 |
| U-P3-Bq-113. | C.2.19 | Pointing | m ² | 40 | 2,000 | 1,010 | 8,900 | 11,910 | 80,000 | 40,400 | 356,000 | 476,400 |
| U-P3-Bq-115 | C.3 | Pump Mechanical Works | | | | | | | | | | |
| U-P3-Bq-116 | C.3.1 | Furnishing and Installing Main Pump Units | set | 2 | 2,309,484,200 | 0 | 317,761,800 | 2,627,246,000 | 4,618,968,400 | 0 | 635,523,600 | 5,254,492,000 |
| U-P3-Bq-117 | C.3.2 | Gear Boxes | set | 2 | 651,506,700 | 0 | 89,640,800 | 741,147,500 | 1,303,013,400 | 0 | 179,281,600 | 1,482,295,000 |
| U-P3-Bq-118 | C.3.3 | Diesel Engine Units | set | 2 | 709,509,800 | 0 | 97,621,400 | 807,131,200 | 1,419,019,600 | 0 | 195,242,800 | 1,614,262,400 |
| U-P3-Bq-120 | C.3.4 | Fuel Service Tank | set | 1 | 86,235,600 | 0 | 11,865,200 | 98,100,800 | 86,235,600 | 0 | 11,865,200 | 98,100,800 |
| U-P3-Bq-121 | C.3.5 | Fuel Transfer Pump | set | 1 | 27,905,200 | 0 | 3,839,500 | 31,744,700 | 27,905,200 | 0 | 3,839,500 | 31,744,700 |
| U-P3-Bq-124 | C.3.6 | Auxiliary Drainage Pump System | L.S. | 1 | 200,982,500 | 0 | 27,653,200 | 228,635,700 | 200,982,500 | 0 | 27,653,200 | 228,635,700 |

Table 5.2.3 (4/8) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-3

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|--------------|------------|---|----------------|----------|-------------|--------|-------------|-----------------|-------------|------------|-------------|-------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P3-Bq-126 | C.3.7 | Overhead Crane | set | 1 | 274,478,500 | 0 | 37,765,500 | 312,244,000 | 274,478,500 | 0 | 37,765,500 | 312,244,000 |
| U-P3-Bq-127 | C.3.8 | Piping System | L.S. | 1 | 83,400,000 | 0 | 11,475,000 | 94,875,000 | 83,400,000 | 0 | 11,475,000 | 94,875,000 |
| U-P3-Bq-129 | C.3.9 | Inspection and Test | L.S. | 1 | 67,359,600 | 0 | 39,207,900 | 106,567,500 | 67,359,600 | 0 | 39,207,900 | 106,567,500 |
| U-P3-Bq-130 | C.3.10 | Spare Parts | L.S. | 1 | 122,832,300 | 0 | 16,900,500 | 139,732,800 | 122,832,300 | 0 | 16,900,500 | 139,732,800 |
| U-P3-Bq-131 | C.3.11 | Maintenance Tools | L.S. | 1 | 39,284,200 | 0 | 5,405,200 | 44,689,400 | 39,284,200 | 0 | 5,405,200 | 44,689,400 |
| U-P3-Bq-133 | C.4 | Pump Electrical Works | | | | | | | | | | |
| U-P3-Bq-134 | C.4.1 | Main Control Panel | L.S. | 1 | 840,994,500 | 0 | 115,712,400 | 956,706,900 | 840,994,500 | 0 | 115,712,400 | 956,706,900 |
| U-P3-Bq-135 | C.4.2 | Local Switch | L.S. | 1 | 17,169,900 | 0 | 2,362,400 | 19,532,300 | 17,169,900 | 0 | 2,362,400 | 19,532,300 |
| U-P3-Bq-138 | C.4.3 | Inspection and Test | L.S. | 1 | 26,778,100 | 0 | 3,684,400 | 30,462,500 | 26,778,100 | 0 | 3,684,400 | 30,462,500 |
| U-P3-Bq-139 | C.4.4 | Spare Parts | L.S. | 1 | 33,532,400 | 0 | 4,613,800 | 38,146,200 | 33,532,400 | 0 | 4,613,800 | 38,146,200 |
| U-P3-Bq-140 | C.4.5 | Maintenance Tools | L.S. | 1 | 37,680,200 | 0 | 5,184,500 | 42,864,700 | 37,680,200 | 0 | 5,184,500 | 42,864,700 |
| U-P3-Bq-143 | C.4.6 | Control Panel for Auxiliary Drainage Pumps | L.S. | 1 | 86,825,000 | 0 | 11,946,300 | 98,771,300 | 86,825,000 | 0 | 11,946,300 | 98,771,300 |
| U-P3-Bq-143. | C.4.7 | Generator System | L.S. | 1 | 60,109,900 | 0 | 8,270,600 | 68,380,500 | 60,109,900 | 0 | 8,270,600 | 68,380,500 |
| U-P3-Bq-144 | C.5 | Inspection Bridges | | | | | | | | | | |
| U-P3-Bq-145 | C.5.1 | Concrete, Type B including Formwork | m ³ | 58 | 152,490 | 44,470 | 336,180 | 533,140 | 8,844,420 | 2,579,260 | 19,498,440 | 30,922,120 |
| U-P3-Bq-146 | C.5.2 | Deformed Reinforcing Bars | kg | 3150 | 1,558 | 3,122 | 3,797 | 8,477 | 4,906,755 | 9,834,300 | 11,961,810 | 26,702,865 |
| U-P3-Bq-147 | C.5.3 | Safety Hand Rail | kg | 50 | 2,298 | 1,051 | 4,848 | 8,197 | 114,900 | 52,550 | 242,400 | 409,850 |
| U-P3-Bq-148 | C.6 | Fuel Tank | | | | | | | | | | |
| U-P3-Bq-149 | C.6.1 | Structural Excavation | m ³ | 690 | 18,170 | 350 | 14,250 | 32,770 | 12,537,300 | 241,500 | 9,832,500 | 22,611,300 |
| U-P3-Bq-150 | C.6.2 | Backfill | m ³ | 564 | 9,940 | 120 | 7,340 | 17,400 | 5,606,160 | 67,680 | 4,139,760 | 9,813,600 |
| U-P3-Bq-151 | C.6.3 | Concrete, Type C1 including Formwork, Scaffolding and Falsework | m ³ | 52 | 306,400 | 42,750 | 523,460 | 872,610 | 15,932,800 | 2,223,000 | 27,219,920 | 45,375,720 |
| U-P3-Bq-152 | C.6.4 | Concrete, Type E including Formwork | m ³ | 4 | 81,930 | 37,610 | 228,140 | 347,680 | 327,720 | 150,440 | 912,560 | 1,390,720 |
| U-P3-Bq-153 | C.6.5 | Deformed Reinforcing Bars | kg | 7220 | 1,558 | 3,122 | 3,797 | 8,477 | 11,246,594 | 22,540,840 | 27,417,228 | 61,204,662 |
| U-P3-Bq-154 | C.6.6 | Fuel Tank and Accessories | L.S. | 1 | 194,766,800 | 0 | 26,798,000 | 221,564,800 | 194,766,800 | 0 | 26,798,000 | 221,564,800 |
| U-P3-Bq-155 | C.6.7 | Grounding | L.S. | 1 | 14,261,400 | 0 | 1,962,300 | 16,223,700 | 14,261,400 | 0 | 1,962,300 | 16,223,700 |
| U-P3-Bq-158 | C.7 | Parapet Wall | | | | | | | | | | |
| U-P3-Bq-159 | C.7.1 | Structural Excavation | m ³ | 10 | 18,170 | 350 | 14,250 | 32,770 | 181,700 | 3,500 | 142,500 | 327,700 |
| U-P3-Bq-160 | C.7.2 | Backfill with Sandy Soil | m ³ | 4 | 16,300 | 1,620 | 37,430 | 55,350 | 65,200 | 6,480 | 149,720 | 221,400 |
| U-P3-Bq-161 | C.7.3 | Wet Stone Masonry | m ³ | 10 | 46,070 | 28,800 | 200,020 | 274,890 | 460,700 | 288,000 | 2,000,200 | 2,748,900 |
| U-P3-Bq-162 | C.7.4 | Pointing | m ² | 53 | 2,000 | 1,010 | 8,900 | 11,910 | 106,000 | 53,530 | 471,700 | 631,230 |
| U-P3-Bq-163 | D | BARU PUMPING STATION GATE | | | | | | | | | | |
| U-P3-Bq-164 | D.1 | Gate Pier and Foundation | | | | | | | | | | |
| U-P3-Bq-165 | D.1.1 | Structural Excavation | m ³ | 370 | 18,170 | 350 | 14,250 | 32,770 | 6,722,900 | 129,500 | 5,272,500 | 12,124,900 |
| U-P3-Bq-166 | D.1.2 | Backfill with Sandy Soil | m ³ | 152 | 16,300 | 1,620 | 37,430 | 55,350 | 2,477,600 | 246,240 | 5,689,360 | 8,413,200 |
| U-P3-Bq-167 | D.1.3 | Concrete, Type C1 including Formwork, Scaffolding and Falsework | m ³ | 203 | 407,770 | 43,020 | 689,310 | 1,140,100 | 82,777,310 | 8,733,060 | 139,929,930 | 231,440,300 |
| U-P3-Bq-168 | D.1.4 | Concrete, Type E including Formwork | m ³ | 10 | 81,930 | 37,610 | 228,140 | 347,680 | 819,300 | 376,100 | 2,281,400 | 3,476,800 |
| U-P3-Bq-168. | D.1.5 | Secondary Concrete, Type C2 | m ³ | 10 | 146,230 | 42,250 | 421,190 | 609,670 | 1,462,300 | 422,500 | 4,211,900 | 6,096,700 |
| U-P3-Bq-169 | D.1.6 | Deformed Reinforcing Bars | kg | 17500 | 1,558 | 3,122 | 3,797 | 8,477 | 27,259,750 | 54,635,000 | 66,454,500 | 148,349,250 |
| U-P3-Bq-170 | D.1.7 | Water Stop, 200 mm wide | m | 20 | 61,278 | 0 | 6,022 | 67,300 | 1,225,560 | 0 | 120,440 | 1,346,000 |

Table 5.2.3 (5/8) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-3

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|--------------|----------|--|----------------|----------|-------------|------------|-------------|-----------------|-------------|------------|-------------|---------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P3-Bq-170. | D.1.8 | Dowel Bar, Dia. 19 mm, 1.0 m long (Round Bar and PVC Pipe) | kg | 170 | 3,370 | 5,710 | 11,010 | 20,090 | 572,900 | 970,700 | 1,871,700 | 3,415,300 |
| U-P3-Bq-171 | D.1.9 | Furnishing and Driving PC Piles, Dia. 500 mm, Type A | m | 350 | 282,610 | 270 | 71,740 | | 98,913,500 | 94,500 | 25,109,000 | 124,117,000 |
| U-P3-Bq-172 | D.1.10 | Furnishing and Driving Steel Sheet Pile, Type II | m | 282 | 348,510 | 80 | 39,230 | 387,820 | 98,279,820 | 22,560 | 11,062,860 | 109,365,240 |
| U-P3-Bq-172. | D.1.11 | Gabion Mattress, t= 500 mm (Galvanized) | m ³ | 19 | 659,260 | 3,060 | 142,060 | 804,380 | 12,525,940 | 58,140 | 2,699,140 | 15,283,220 |
| U-P3-Bq-173 | D.1.12 | Safety Hand Rail (Type-I) | kg | 120 | 2,049 | 481 | 4,231 | 6,761 | 245,880 | 57,720 | 507,720 | 811,320 |
| U-P3-Bq-174 | D.1.13 | Ladder | L.S. | 1 | 200,800 | 47,100 | 414,600 | 662,500 | 200,800 | 47,100 | 414,600 | 662,500 |
| U-P3-Bq-175 | D.1.14 | Window | L.S. | 1 | 68,000 | 33,400 | 304,200 | 405,600 | 68,000 | 33,400 | 304,200 | 405,600 |
| U-P3-Bq-176 | D.1.15 | Door | L.S. | 1 | 30,900 | 0 | 153,200 | 184,100 | 30,900 | 0 | 153,200 | 184,100 |
| U-P3-Bq-176. | D.1.16 | Roof Sealing | L.S. | 1 | 2,932,900 | 2,216,900 | 7,211,100 | 12,360,900 | 2,932,900 | 2,216,900 | 7,211,100 | 12,360,900 |
| U-P3-Bq-177 | D.2 | Gate Mechanical Works | | | | | | | | | | |
| U-P3-Bq-178 | D.2.1 | Gate Leaf | set | 1 | 156,447,200 | 0 | 200,708,100 | 357,155,300 | 156,447,200 | 0 | 200,708,100 | 357,155,300 |
| U-P3-Bq-179 | D.2.2 | Guide Frame | set | 1 | 64,420,200 | 0 | 185,409,100 | 249,829,300 | 64,420,200 | 0 | 185,409,100 | 249,829,300 |
| U-P3-Bq-180 | D.2.3 | Hoist | set | 1 | 590,352,500 | 0 | 157,244,900 | 747,597,400 | 590,352,500 | 0 | 157,244,900 | 747,597,400 |
| U-P3-Bq-181 | D.2.4 | Stop Log | set | 3 | 78,780,000 | 0 | 47,940,100 | 126,720,100 | 236,340,000 | 0 | 143,820,300 | 380,160,300 |
| U-P3-Bq-181. | D.2.5 | Spare Parts | L.S. | 1 | 78,780,000 | 0 | 47,940,100 | 126,720,100 | 78,780,000 | 0 | 47,940,100 | 126,720,100 |
| U-P3-Bq-182 | E | BUILDINGS | | | | | | | | | | |
| U-P3-Bq-185 | E.1 | Buildings | | | | | | | | | | |
| U-P3-Bq-186 | E.1.1 | Pump Control Building | L.S. | 1 | 75,257,500 | 16,223,000 | 178,184,900 | 269,665,400 | 75,257,500 | 16,223,000 | 178,184,900 | 269,665,400 |
| U-P3-Bq-187 | E.1.2 | Management Office | L.S. | 1 | 37,861,800 | 14,956,400 | 170,651,800 | 223,470,000 | 37,861,800 | 14,956,400 | 170,651,800 | 223,470,000 |
| U-P3-Bq-188 | E.1.3 | Garage | L.S. | 1 | 42,491,000 | 17,179,300 | 191,230,100 | 250,900,400 | 42,491,000 | 17,179,300 | 191,230,100 | 250,900,400 |
| U-P3-Bq-189 | E.1.4 | Staff House | L.S. | 1 | 21,461,100 | 7,907,000 | 97,952,000 | 127,320,100 | 21,461,100 | 7,907,000 | 97,952,000 | 127,320,100 |
| U-P3-Bq-190 | E.1.5 | External Works | L.S. | 1 | 28,020,200 | 6,426,500 | 84,579,200 | 119,025,900 | 28,020,200 | 6,426,500 | 84,579,200 | 119,025,900 |
| U-P3-Bq-191 | F | BARU RETARDING POND | | | | | | | | | | |
| U-P3-Bq-192 | F.1 | Preparatory Works | | | | | | | | | | |
| U-P3-Bq-193 | F.1.1 | Coffering and Dewatering | L.S. | 1 | 62,012,100 | 2,345,100 | 38,329,300 | 102,686,500 | 62,012,100 | 2,345,100 | 38,329,300 | 102,686,500 |
| U-P3-Bq-194 | F.2 | Earth Work | | | | | | | | | | |
| U-P3-Bq-195 | F.2.1 | Common Excavation Including Hauling and Spoiling | m ³ | 33500 | 17,400 | 330 | 13,700 | 31,430 | 582,900,000 | 11,055,000 | 458,950,000 | 1,052,905,000 |
| U-P3-Bq-196 | F.3 | Revetment Type A-4 | | | | | | | | | | |
| U-P3-Bq-197 | F.3.1 | Structural Excavation | m ³ | 3120 | 18,170 | 350 | 14,250 | 32,770 | 56,690,400 | 1,092,000 | 44,460,000 | 102,242,400 |
| U-P3-Bq-198 | F.3.2 | Backfill with Cobble | m ³ | 666 | 17,827 | 2,154 | 48,252 | 68,233 | 11,872,782 | 1,434,564 | 32,135,832 | 45,443,178 |
| U-P3-Bq-199 | F.3.3 | Backfill with Gravel | m ³ | 905 | 18,580 | 4,060 | 88,210 | 110,850 | 16,814,900 | 3,674,300 | 79,830,050 | 100,319,250 |
| U-P3-Bq-200 | F.3.4 | Backfill with Sandy Soil | m ³ | 266 | 16,300 | 1,620 | 37,430 | 55,350 | 4,335,800 | 430,920 | 9,956,380 | 14,723,100 |
| U-P3-Bq-201 | F.3.5 | Wet Stone Masonry | m ³ | 870 | 46,070 | 28,800 | 200,020 | 274,890 | 40,080,900 | 25,056,000 | 174,017,400 | 239,154,300 |
| U-P3-Bq-202 | F.3.6 | Concrete, Type C1 including Formwork | m ³ | 336 | 154,640 | 42,250 | 462,680 | 659,570 | 51,959,040 | 14,196,000 | 155,460,480 | 221,615,520 |
| U-P3-Bq-203 | F.3.7 | Concrete, Type E including Formwork | m ³ | 105 | 96,480 | 37,610 | 300,410 | 434,500 | 10,130,400 | 3,949,050 | 31,543,050 | 45,622,500 |
| U-P3-Bq-204 | F.3.8 | Deformed Reinforcing Bars | kg | 13730 | 1,230 | 2,809 | 3,300 | 7,339 | 16,886,527 | 38,566,197 | 45,310,373 | 100,763,097 |
| U-P3-Bq-205 | F.3.9 | Pointing | m ² | 3376 | 2,000 | 1,010 | 8,900 | 11,910 | 6,752,000 | 3,409,760 | 30,046,400 | 40,208,160 |

Table 5.2.3 (6/8) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-3

| ID No. | Item No. | Description | Unit | Quantity | Unit Cost | | | | Cost | | | |
|-------------|----------|---|----------------|----------|-----------|--------|---------|-----------------|------------|------------|------------|------------|
| | | | | | PF/C | IF/C | L/C | Total Unit Cost | PF/C | IF/C | L/C | Total Cost |
| U-P3-Bq-206 | F.3.10 | Weep Hole, Dia. 50 mm | No. | 482 | 3,147 | 909 | 14,500 | 18,556 | 1,516,783 | 438,182 | 6,989,000 | 8,943,965 |
| U-P3-Bq-206 | F.3.11 | Log Pile, Dia. 150 mm, L = 3.0 m | m | 745 | 15,658 | 150 | 18,917 | 34,725 | 11,665,458 | 111,750 | 14,092,917 | 25,870,125 |
| U-P3-Bq-207 | F.3.12 | Sodding | m ² | 702 | 1,230 | 0 | 6,070 | 7,300 | 863,460 | 0 | 4,261,140 | 5,124,600 |
| U-P3-Bq-208 | F.4 | Outlet Works of Bandarharjo West Secondary Channel | | | | | | | | | | |
| U-P3-Bq-209 | F.4.1 | Structural Excavation | m ³ | 1240 | 18,170 | 350 | 14,250 | 32,770 | 22,530,800 | 434,000 | 17,670,000 | 40,634,800 |
| U-P3-Bq-210 | F.4.2 | Backfill | m ³ | 299 | 9,940 | 120 | 7,340 | 17,400 | 2,972,060 | 35,880 | 2,194,660 | 5,202,600 |
| U-P3-Bq-211 | F.4.3 | Backfill with Gravel | m ³ | 35 | 18,580 | 4,060 | 88,210 | 110,850 | 650,300 | 142,100 | 3,087,350 | 3,879,750 |
| U-P3-Bq-211 | F.4.4 | Cobble Stone | m ³ | 14 | 14,250 | 2,120 | 45,410 | 61,780 | 199,500 | 29,680 | 635,740 | 864,920 |
| U-P3-Bq-212 | F.4.5 | Concrete, Type C1 including Formwork and Falsework | m ³ | 39 | 150,330 | 44,260 | 412,150 | 606,740 | 5,862,870 | 1,726,140 | 16,073,850 | 23,662,860 |
| U-P3-Bq-213 | F.4.6 | Concrete, Type E including Formwork | m ³ | 6 | 102,060 | 37,610 | 328,090 | 467,760 | 612,360 | 225,660 | 1,968,540 | 2,806,560 |
| U-P3-Bq-214 | F.4.7 | Deformed Reinforcing Bars | kg | 2430 | 1,367 | 3,121 | 3,667 | 8,154 | 3,320,838 | 7,583,787 | 8,910,324 | 19,814,949 |
| U-P3-Bq-215 | F.4.8 | Wet Stone Masonry | m ³ | 280 | 46,070 | 28,800 | 200,020 | 274,890 | 12,899,600 | 8,064,000 | 56,005,600 | 76,969,200 |
| U-P3-Bq-216 | F.4.9 | Log Pile, Dia. 150 mm L=2.0 m | m | 149 | 18,940 | 190 | 20,950 | 40,080 | 2,822,060 | 28,310 | 3,121,550 | 5,971,920 |
| U-P3-Bq-217 | F.4.10 | Weep Hole, Dia. 50 mm | No. | 48 | 3,147 | 909 | 14,500 | 18,556 | 151,049 | 43,636 | 696,000 | 890,685 |
| U-P3-Bq-217 | F.4.11 | Pointing | m ² | 149 | 2,000 | 1,010 | 8,900 | 11,910 | 298,000 | 150,490 | 1,326,100 | 1,774,590 |
| U-P3-Bq-218 | F.4.12 | Stop Log (wood) | L.S. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U-P3-Bq-219 | F.5 | Inlet Works of Baru Conveyance Channel | | | | | | | | | | |
| U-P3-Bq-220 | F.5.1 | Structural Excavation | m ³ | 370 | 18,170 | 350 | 14,250 | 32,770 | 6,722,900 | 129,500 | 5,272,500 | 12,124,900 |
| U-P3-Bq-221 | F.5.2 | Backfill | m ³ | 242 | 9,940 | 120 | 7,340 | 17,400 | 2,405,480 | 29,040 | 1,776,280 | 4,210,800 |
| U-P3-Bq-222 | F.5.3 | Backfill with Gravel | m ³ | 47 | 18,580 | 4,060 | 88,210 | 110,850 | 873,260 | 190,820 | 4,145,870 | 5,209,950 |
| U-P3-Bq-222 | F.5.4 | Cobble Stone | m ³ | 7 | 14,250 | 2,120 | 45,410 | 61,780 | 99,750 | 14,840 | 317,870 | 432,460 |
| U-P3-Bq-223 | F.5.5 | Concrete, Type C1 including Formwork, Scaffolding and Falsework | m ³ | 59 | 308,890 | 42,770 | 545,910 | 897,570 | 18,224,510 | 2,523,430 | 32,208,690 | 52,956,630 |
| U-P3-Bq-224 | F.5.6 | Deformed Reinforcing Bars | kg | 3840 | 1,558 | 3,122 | 3,797 | 8,477 | 5,981,568 | 11,988,480 | 14,582,016 | 32,552,064 |
| U-P3-Bq-225 | F.5.7 | Concrete, Type E including Formwork | m ³ | 6 | 88,120 | 37,610 | 258,890 | 384,620 | 528,720 | 225,660 | 1,553,340 | 2,307,720 |
| U-P3-Bq-226 | F.5.8 | Wet Stone Masonry | m ³ | 100 | 46,070 | 28,800 | 200,020 | 274,890 | 4,607,000 | 2,880,000 | 20,002,000 | 27,489,000 |
| U-P3-Bq-227 | F.5.9 | Log Pile, Dia. 150 mm L= 2.0 m | m | 93 | 18,940 | 190 | 20,950 | 40,080 | 1,761,420 | 17,670 | 1,948,350 | 3,727,440 |
| U-P3-Bq-228 | F.5.10 | Weep Hole, Dia. 50 mm | No. | 140 | 3,147 | 909 | 14,500 | 18,556 | 440,559 | 127,273 | 2,030,000 | 2,597,832 |
| U-P3-Bq-228 | F.5.11 | Pointing | m ² | 118 | 2,000 | 1,010 | 8,900 | 11,910 | 236,000 | 119,180 | 1,050,200 | 1,405,380 |
| U-P3-Bq-229 | F.6 | Outlet Works of Future Secondary Channel | | | | | | | | | | |
| U-P3-Bq-230 | F.6.1 | Structure Excavation | m ³ | 420 | 18,170 | 350 | 14,250 | 32,770 | 7,631,400 | 147,000 | 5,985,000 | 13,763,400 |
| U-P3-Bq-231 | F.6.2 | Backfill | m ³ | 230 | 9,940 | 120 | 7,340 | 17,400 | 2,286,200 | 27,600 | 1,688,200 | 4,002,000 |
| U-P3-Bq-232 | F.6.3 | Backfill with Gravel | m ³ | 20 | 18,580 | 4,060 | 88,210 | 110,850 | 371,600 | 81,200 | 1,764,200 | 2,217,000 |
| U-P3-Bq-232 | F.6.4 | Cobble Stone | m ³ | 7 | 14,250 | 2,120 | 45,410 | 61,780 | 99,750 | 14,840 | 317,870 | 432,460 |
| U-P3-Bq-233 | F.6.5 | Concrete, Type C1 including Formwork | m ³ | 16 | 291,030 | 42,780 | 539,530 | 873,340 | 4,656,480 | 684,480 | 8,632,480 | 13,973,440 |
| U-P3-Bq-234 | F.6.6 | Concrete, Type E including Formwork | m ³ | 3 | 93,540 | 37,610 | 285,810 | 416,960 | 280,620 | 112,830 | 857,430 | 1,250,880 |
| U-P3-Bq-235 | F.6.7 | Deformed Reinforcing Bars | kg | 890 | 1,558 | 3,122 | 3,797 | 8,477 | 1,386,353 | 2,778,580 | 3,379,686 | 7,544,619 |
| U-P3-Bq-236 | F.6.8 | Wet Stone Masonry | m ³ | 150 | 46,070 | 28,800 | 200,020 | 274,890 | 6,910,500 | 4,320,000 | 30,003,000 | 41,233,500 |
| U-P3-Bq-237 | F.6.9 | Log Pile, Dia. 150mm L=2.0 m | m | 161 | 18,940 | 190 | 20,950 | 40,080 | 3,049,340 | 30,590 | 3,372,950 | 6,452,880 |
| U-P3-Bq-238 | F.6.10 | Weep Hole, Dia. 50 mm | No. | 26 | 3,147 | 909 | 14,500 | 18,556 | 81,818 | 23,636 | 377,000 | 482,455 |
| U-P3-Bq-238 | F.6.11 | Pointing | m ² | 157 | 2,000 | 1,010 | 8,900 | 11,910 | 314,000 | 158,570 | 1,397,300 | 1,869,870 |