**แบบแสดงรายการ ปริมาณงาน และราคา**

**กลุ่มงาน / งาน : งานระบบไฟฟ้าและประปา** **ปร.4**

**ชื่อโครงการ : โครงการปรับปรุงสวนเทพปทุม**

**สถานที่ก่อสร้าง : ตำบลบางปรอก อำเภอเมืองปทุมธานี จังหวัดปทุมธานี**

**เจ้าของโครงการ : เทศบาลเมืองปทุมธานี**

**หน่วย : บาท**

| ลำดับที่ | รายการ | ปริมาณ | หน่วย | วัสดุ | | แรงงาน | | ราคารวม |
|---|---|---|---|---|---|---|---|---|
| | | | | ราคาต่อหน่วย | ราคาวัสดุรวม | ราคาต่อหน่วย | ราคาแรงงานรวม | |
| 1 | **หมวดงานระบบไฟฟ้า** | | | | | | | |
| | **1.1 ระบบท่อไฟฟ้าเมนและไฟฟ้าใต้ดิน** | | | | | | | |
| | 1.1.1 ตู้โหลดไฟฟ้า (LP) | | | | | | | |
| | LOAD CENTER(LP-LA) | 1.00 | SET | 30,000.00 | 30,000.00 | 1,200.00 | 1,200.00 | 31,200.00 |
| | 1.1.2 CABLE | | | | | | | |
| | IEC 01 | | | | | | | |
| | - 16 Sq.mm. | 60.00 | M | 61.98 | 3,718.80 | 20.00 | 1,200.00 | 4,918.80 |
| | - 6 Sq.mm. | 15.00 | M | 22.92 | 343.80 | 12.00 | 180.00 | 523.80 |
| | - ACCESSORIES | 1.00 | LOT | 406.26 | 406.26 | 138.00 | 138.00 | 544.26 |
| | 1.1.3 CONDUIT & RACE WAY | | | | | | | |
| | IMC | | | | | | | |
| | - 1 1/4" | 15.00 | M | 218.00 | 3,270.00 | 22.00 | 330.00 | 3,600.00 |
| | - ACCESSORIES | 1.00 | LOT | 327.00 | 327.00 | 33.00 | 33.00 | 360.00 |
| | 1.1.4 GROUNDING | | | | | | | |
| | IEC 01 | | | | | | | |
| | - 10 Sq.mm. | 15.00 | M | 39.93 | 598.95 | 16.00 | 240.00 | 838.95 |
| | PVC | | | | | | | |
| | - 1/2" | 15.00 | M | 14.00 | 210.00 | 10.00 | 150.00 | 360.00 |
| | - GROUND ROD 5/8" ยาว 10" | 1.00 | SET | 2,300.00 | 2,300.00 | 100.00 | 100.00 | 2,400.00 |
| | - INSPECTION PIT | 1.00 | SET | 1,600.00 | 1,600.00 | 100.00 | 100.00 | 1,700.00 |
| | - ACCESSORIES | 1.00 | LOT | 470.90 | 470.90 | 59.00 | 59.00 | 529.90 |
| | | | | | | | | |
| | **รวมราคางานระบบท่อไฟฟ้าเมนและไฟฟ้าใต้ดิน** | | | | **43,245.71** | | **3,730.00** | **46,975.71** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **1.2 ระบบท่อ และสาย งานไฟฟ้าแสงสว่างผังบริเวณ** | | | | | | | |
| | 1.2.1 NYY (1 CORE) | | | | | | | |
| | - 6 Sq.mm. | 3,604.00 | M | 58.80 | 211,915.20 | 25.00 | 90,100.00 | 302,015.20 |
| | - 4 Sq.mm. | 1,776.00 | M | 28.36 | 50,367.36 | 15.00 | 26,640.00 | 77,007.36 |
| | - ACCESSORIES | 1.00 | LOT | 26,228.26 | 26,228.26 | 11,674.00 | 11,674.00 | 37,902.26 |
| | 1.2.2 CONDUIT & RACE WAY | | | | | | | |
| | IMC | | | | | | | |
| | - 1 1/2" | 60.00 | M | 267.33 | 16,039.80 | 20.00 | 1,200.00 | 17,239.80 |
| | - ACCESSORIES | 1.00 | LOT | 1,603.98 | 1,603.98 | 120.00 | 120.00 | 1,723.98 |
| | HDPE (PN6) | | | | | | | |
| | - 1 1/2" | 1,776.00 | M | 53.00 | 94,128.00 | 22.00 | 39,072.00 | 133,200.00 |
| | - ACCESSORIES | 1.00 | LOT | 9,412.80 | 9,412.80 | 3,907.20 | 3,907.20 | 13,320.00 |
| | | | | | | | | |
| | **รวมราคางานระบบท่อ และสาย งานไฟฟ้าแสงสว่างผังบริเวณ** | | | | **409,695.40** | | **172,713.20** | **582,408.60** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **1.3 ระบบไฟฟ้าแสงสว่างผังบริเวณ** | | | | | | | |
| | 1.3.1 โคมไฟฟ้า | | | | | | | |
| | FLOOD LIGHT 8W (3000K) | 34.00 | SET | 2,960.00 | 100,640.00 | 300.00 | 10,200.00 | 110,840.00 |
| | WALL LIGHT 3.6W (3000K) | 65.00 | SET | 1,200.00 | 78,000.00 | 180.00 | 11,700.00 | 89,700.00 |
| | UNDERWATER LIGHT(GROUND) 2W (4000K) | 38.00 | SET | 4,800.00 | 182,400.00 | 300.00 | 11,400.00 | 193,800.00 |
| | POLE LIGHT สูง 4 ม. E27 (4000K) | 43.00 | SET | 15,600.00 | 670,800.00 | 1,250.00 | 53,750.00 | 724,550.00 |
| | BOLLARD LIGHT 7W (3000K) | 25.00 | SET | 1,760.00 | 44,000.00 | 300.00 | 7,500.00 | 51,500.00 |
| | LED STRIP LIGHT (NEON FLEX IP 67) 2xT8 LED (4000K) | | | | - | | - | - |
| | - LED STRIP LIGHT (NEON FLEX IP 67) 2xT8 LED (4000K) ความยาว 486 เมตร (1 ม้วน ยาว 50 เมตร) | 10.00 | SET | 480.00 | 4,800.00 | 50.00 | 500.00 | 5,300.00 |
| | - ACCESSORIES CLIPS LOCK ( 1 เมตร ใช้ 5 ตัว) | 300.00 | SET | 16.00 | 4,800.00 | | - | 4,800.00 |
| | - ACCESSORIES LED POWER SUPPLY 12 V. DC 10A 150W. | 1.00 | SET | 1,600.00 | 1,600.00 | | - | 1,600.00 |
| | WALL LIGHT 20W (3000K) | 64.00 | SET | 4,960.00 | 317,440.00 | 115.00 | 7,360.00 | 324,800.00 |
| | CEILING LIGHT 20W (3000K) | 6.00 | SET | 4,640.00 | 27,840.00 | 115.00 | 690.00 | 28,530.00 |
| | LINEAR WALL WASHER MINI LIGHT (ศาลา) | | | | - | | - | - |
| | - RGB Linear wall washer 1000 mm. IP66 | 23.00 | SET | 9,600.00 | 220,800.00 | 180.00 | 4,140.00 | 224,940.00 |
| | - RGB Linear wall washer 500 mm. IP66 | 14.00 | SET | 7,600.00 | 106,400.00 | 180.00 | 2,520.00 | 108,920.00 |
| | - RGB Linear wall washer 350 mm. IP66 | 18.00 | SET | 6,800.00 | 122,400.00 | 180.00 | 3,240.00 | 125,640.00 |
| | - ACCESSORIES STARTER CABLE | 8.00 | SET | 1,600.00 | 12,800.00 | | - | 12,800.00 |
| | - ACCESSORIES POWER SUPPLY XLG 24V/200W | 8.00 | SET | 1,600.00 | 12,800.00 | | - | 12,800.00 |
| | - ACCESSORIES DMX SPLITER | 4.00 | SET | 9,600.00 | 38,400.00 | | - | 38,400.00 |
| | - ACCESSORIES BUTLER | 1.00 | SET | 60,000.00 | 60,000.00 | | - | 60,000.00 |
| | LINEAR WALL WASHER MINI LIGHT (กำแพงประดับ) | | | | - | | - | - |
| | - RGB Linear wall washer 1000 mm. IP66 | 14.00 | SET | 9,600.00 | 134,400.00 | 180.00 | 2,520.00 | 136,920.00 |
| | - RGB Linear wall washer 350 mm. IP66 | 14.00 | SET | 6,800.00 | 95,200.00 | 180.00 | 2,520.00 | 97,720.00 |
| | - ACCESSORIES STARTER CABLE | 7.00 | SET | 1,600.00 | 11,200.00 | | - | 11,200.00 |
| | - ACCESSORIES POWER SUPPLY XLG 24V/200W | 7.00 | SET | 1,600.00 | 11,200.00 | | - | 11,200.00 |
| | - ACCESSORIES DMX SPLITER | 2.00 | SET | 9,600.00 | 19,200.00 | | - | 19,200.00 |
| | - ACCESSORIES BUTLER | 1.00 | SET | 60,000.00 | 60,000.00 | | - | 60,000.00 |
| | 1.3.2 ระบบควบคุมแสงสว่าง | | | | | | | |
| | - LIGHTING CONTROL SYSTEM | 1.00 | SET | 50,000.00 | 50,000.00 | - | - | 50,000.00 |
| | - TESTING AND COMMISSIONING TEST | 1.00 | SET | 10,000.00 | 10,000.00 | - | - | 10,000.00 |
| | | | | | | | | |
| | **รวมราคางานระบบไฟฟ้าแสงสว่างผังบริเวณ** | | | | **2,397,120.00** | | **118,040.00** | **2,515,160.00** |
| | **หมวดงานระบบไฟฟ้า** | | | | **2,850,061.10** | | **294,483.20** | **3,144,544.30** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2 | **หมวดงานระบบประปา** | | | | | | | |
| | **2.1 ระบบรดน้ำต้นไม้** | | | | | | | |
| | 2.1.1 IRRIGATION PIPE (HDPE PN.10) | | | | | | | |
| | - DIA 1” | 910.00 | M | 33.00 | 30,030.00 | 30.00 | 27,300.00 | 57,330.00 |
| | - DIA 2” | 320.00 | M | 119.00 | 38,080.00 | 50.00 | 16,000.00 | 54,080.00 |
| | - อุปกรณ์ประกอบท่อ ข้อต่อ ข้องอ | 1.00 | LOT | 34,055.00 | 34,055.00 | 10,216.50 | 10,216.50 | 44,271.50 |
| | - ค่าอุปกรณ์ยึดและรองรับท่อ | 1.00 | LOT | 34,055.00 | 34,055.00 | 10,216.50 | 10,216.50 | 44,271.50 |
| | - ค่าทดสอบ ทำความสะอาด ทาสี ทำสัญลักษณ์ท่อ | 1.00 | LOT | 13,622.00 | 13,622.00 | 4,086.60 | 4,086.60 | 17,708.60 |
| | 2.1.2 HOSE BIBB | | | | | | | |
| | - DIA 1/2” | 9.00 | SET | 90.00 | 810.00 | INCLUDE | INCLUDE | 810.00 |
| | 2.1.3 Spray Pop-up | | | | | | | |
| | - NOZZIE 4A Lt. Green รัศมี 0.9 เมตร | 22.00 | SET | 77.00 | 1,694.00 | INCLUDE | INCLUDE | 1,694.00 |
| | - NOZZIE 6A Lt. Blue รัศมี 1.5 เมตร | 13.00 | SET | 77.00 | 1,001.00 | INCLUDE | INCLUDE | 1,001.00 |
| | - NOZZIE 8A Lt. Brown รัศมี 2.20 เมตร | 4.00 | SET | 350.00 | 1,400.00 | INCLUDE | INCLUDE | 1,400.00 |
| | NOZZIE 10A Lt. Red รัศมี 3.00 เมตร | 5.00 | SET | 450.00 | 2,250.00 | INCLUDE | INCLUDE | 2,250.00 |
| | 2.1.5 'Solenoid Valve ยี่ห้อ Hunter ขนาด 1 นิ้ว | 4.00 | SET | 3,900.00 | 15,600.00 | INCLUDE | INCLUDE | 15,600.00 |
| | 2.1.6 ค่าแรงการติดตั้ง 86 - 101 ตร.ว.(Smart Garden) | 1.00 | LOT | | - | 48,000.00 | 48,000.00 | 48,000.00 |
| | 2.1.7 'ถังเก็บน้ำสำเร็จรูปชนิดติดตั้งบนดิน | | | | | | | |
| | - ขนาด 2 ลบ.ม. | 2.00 | SET | 14,500.00 | 29,000.00 | 5,000.00 | 10,000.00 | 39,000.00 |
| | 2.1.8 BOOSTER PUMP | | | | | | | |
| | - FLOW 4.82x4.82 CU.M./HR HEAD 25 M. + ตู้ CONTR0L | 1.00 | SET | 83,000.00 | 83,000.00 | 15,000.00 | 15,000.00 | 98,000.00 |
| | 2.1.9 FLOAT VALVE | | | | | | | |
| | - DIA 3/4" | 4.00 | SET | 980.00 | 3,920.00 | 150.00 | 600.00 | 4,520.00 |
| | TEST & COMISSIONING | 1.00 | LOT | 20,000.00 | 20,000.00 | 6,000.00 | 6,000.00 | 26,000.00 |
| | | | | | | | | |
| | **รวมราคางานระบบรดน้ำต้นไม้** | | | | **308,517.00** | | **147,419.60** | **455,936.60** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **2.2 ระบบน้ำพุ** | | | | | | | |
| | 2.2.1 'น้ำพุ | | | | | | | |
| | - FP-01,02 Flow Rate 12.85 L/S TDH 15 | 2.00 | SET | 54,625.00 | 109,250.00 | INCLUDE | INCLUDE | 109,250.00 |
| | - SF-01,02 Flow Rate 4.76 Cu.m./hr | 2.00 | SET | 26,000.00 | 52,000.00 | INCLUDE | INCLUDE | 52,000.00 |
| | - DP-01 Flow Rate 12.85 L/S TDH 7 | 1.00 | SET | 34,500.00 | 34,500.00 | INCLUDE | INCLUDE | 34,500.00 |
| | 2.2.2 .POLYVINYL CHORIDE PIPE. CLASS 13.5 | | | | | | | |
| | - PVC 13.5 Dia. 4" | 212.00 | M | 208.00 | 44,096.00 | 100.00 | 21,200.00 | 65,296.00 |
| | - ข้อต่อ อุปกรณ์ท่อ | 1.00 | LOT | 22048.00 | 22,048.00 | 6,614.40 | 6,614.40 | 28,662.40 |
| | - เหล็กยึดท่อ | 1.00 | LOT | 13228.80 | 13,228.80 | 3,968.64 | 3,968.64 | 17,197.44 |
| | - ทดสอบ ทำความสะอาด ทาสีทำสัญลักษณ์ท่อ | 1.00 | LOT | 4409.60 | 4,409.60 | 1,322.88 | 1,322.88 | 5,732.48 |
| | 2.2.3. Valve & Accessories | | | | | | | |
| | Main Drain 9x9 mm. | 2.00 | SET | 1,050.00 | 2,100.00 | 105.00 | 210.00 | 2,310.00 |
| | Overflow Drain 4" | 2.00 | SET | 800.00 | 1,600.00 | 300.00 | 600.00 | 2,200.00 |
| | Fountain Jet KOMET 1012T 1" | 38.00 | SET | 900.00 | 34,200.00 | INCLUDE | INCLUDE | 34,200.00 |
| | 2.2.4 Butterfy Valve | | | | | | | |
| | - Butterfy Valve Dia. 4" | 12.00 | SET | 5,860.00 | 70,320.00 | 1,000.00 | 12,000.00 | 82,320.00 |
| | 2.2.5 Gate Valve | | | | | | | |
| | - Gate Valve Dia. 3/4" | 2.00 | SET | 420.00 | 840.00 | 150.00 | 300.00 | 1,140.00 |
| | 2.2.6 Float Valve | | | | | | | |
| | - Float Valve Dia. 3/4" | 2.00 | SET | 330.00 | 660.00 | 150.00 | 300.00 | 960.00 |
| | 2.2.7 Foot Valve | | | | | | | |
| | - Foot Valve Dia. 4" | 2.00 | SET | 2,000.00 | 4,000.00 | 300.00 | 600.00 | 4,600.00 |
| | 2.7.8 Control Panel | 1.00 | LOT | 25,000.00 | 25,000.00 | INCLUDE | INCLUDE | 25,000.00 |
| | 2.7.9 Electrical Work | 1.00 | LOT | 12,000.00 | 12,000.00 | INCLUDE | INCLUDE | 12,000.00 |
| | 2.7.10 L&E" Fountain Underwater Light | 38.00 | SET | 16,500.00 | 627,000.00 | INCLUDE | INCLUDE | 627,000.00 |
| | 2.7.11 Chemical for Start | | | | | | | |
| | Shikoku chlorine granular 90% 7 Kg | 1.00 | SET | 1,320.00 | 1,320.00 | INCLUDE | INCLUDE | 1,320.00 |
| | ACHCHLOR Chlorine tablet 90%, 20 Kg. | 1.00 | SET | 6,400.00 | 6,400.00 | INCLUDE | INCLUDE | 6,400.00 |
| | Soda Ash Solid 10 Kg | 1.00 | SET | 330.00 | 330.00 | INCLUDE | INCLUDE | 330.00 |
| | Sodium Bisulphate globular 15 Kg. กรดแห้ง | 1.00 | SET | 860.00 | 860.00 | INCLUDE | INCLUDE | 860.00 |
| | การทดสอบระบบพร้อมใช้งาน | 1.00 | LOT | | - | 40,000.00 | 40,000.00 | 40,000.00 |
| | ค่าอุปกรณ์ในการเดินท่อ ติดตั้งเครื่องกรอง ปั๊ม มอเตอร์ | 1.00 | LOT | | - | 95,200.00 | 95,200.00 | 95,200.00 |
| | ค่าอุปกรณ์ในการเดินสายไฟ รอบสระแผงในห้องเครื่อง | 1.00 | LOT | | - | 103,600.00 | 103,600.00 | 103,600.00 |
| | ค่าแรงในการติดตั้ง | 1.00 | LOT | | - | 187,800.00 | 187,800.00 | 187,800.00 |
| | | | | | | | | |
| | **รอบสระ แผงไฟในห้องเครื่อง** | | | | **1,066,162.40** | | **473,715.92** | **1,539,878.32** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **2.3 ระบบระบายน้ำ** | | | | | | | |
| | 2.3.1 ท่อระบายน้ำ PVC ชั้นคุณภาพ 8.5 | | | | | | | |
| | - Dia 3 " | 56.00 | m | 85.00 | 4,760.00 | 30.00 | 1,680.00 | 6,440.00 |
| | - ข้อต่อ อุปกรณ์ท่อ | 1.00 | Lot | 2,380.00 | 2,380.00 | 714.00 | 714.00 | 3,094.00 |
| | - เหล็กยึดท่อ | 1.00 | Lot | 2,380.00 | 2,380.00 | 714.00 | 714.00 | 3,094.00 |
| | - ทดสอบ ทำความสะอาด ทาสีทำสัญลักษณ์ท่อ | 1.00 | Lot | 952.00 | 952.00 | 285.60 | 285.60 | 1,237.60 |
| | 2.3.2 Floor Drain | | | | | | | |
| | - Dia 2" | 40.00 | Set | 1,430.00 | 57,200.00 | 200.00 | 8,000.00 | 65,200.00 |
| | | | | | | | | |
| | | | | | | | | |
| | **รวมราคางานระบบระบายน้ำ** | | | | **67,672.00** | | **11,393.60** | **79,065.60** |
| | **หมวดงานระบบประปา** | | | | **1,442,351.40** | | **632,529.12** | **2,074,880.52** |
| | **หมวดงานระบบไฟฟ้าและประปา** | | | | **4,292,412.50** | | **927,012.32** | **5,219,424.82** |