



การไฟฟ้าส่วนภูมิภาค  
PROVINCIAL ELECTRICITY AUTHORITY

จาก กกค.ฉ.๒

ถึง ผวบ.ฉ.๒

เลขที่ ฉ.๒ กกค.(กร.)-

วันที่

เรื่อง ขออนุมัติจัดสรรงบประมาณจัดซื้อพัสดุขาดแคลนงบ คพม.ปี ๒๕๖๐ เพื่อปิดงานก่อสร้าง

เรียน อ.ผวบ.ฉ.๒ ผ่าน ร.ผวบ.ฉ.๒

**๑.เรื่องเดิม**

๑.๑ ตามอนุมัติเลขที่ ฉ.๒ กบล.(บธ)๓๔๑๘/๒๕๕๙ ลว. ๙ พ.ย. ๒๕๕๙ ให้ กฟฉ.๒ ดำเนินการก่อสร้างขยายเขตตามโครงการ คพม.ปี ๒๕๖๐ โดยมีเป้าหมายดำเนินการครอบคลุมครัวเรือนทั้งหมด ๑,๙๒๙ ราย

๑.๒ ตามบันทึกเลขที่ กกค.(ฉ.) ๒๖๕/๒๕๖๐ ลว. ๑๕ มี.ค. ๒๕๖๐ กฟฉ.๒ ได้รับจัดสรรงบประมาณเพื่อดำเนินการจัดซื้อพัสดุขาดแคลน เพื่อดำเนินการจัดซื้อพัสดุขาดแคลนในพื้นที่รับผิดชอบ กฟฉ.๒ วงเงินรวม ๑๐.๐๐ ล้านบาท โดย กกค.ฉ.๒ เป็นผู้พิจารณาจัดสรรงบประมาณนั้น

**๒.ข้อมูล**

๒.๑ กกค.(ฉ.๒) ได้ตรวจสอบข้อมูลงานคงค้างที่อยู่ระหว่างก่อสร้างสำหรับโครงการ คพม.ปี ๒๕๖๐ (สถานะในระบบ SAP วันที่ ๒๘ มี.ค.๒๕๖๐) มีจำนวนงานทั้งสิ้น ๒๗๕ งาน จำนวนผู้ใช้ไฟ ๑,๙๓๙ ราย

๒.๒ ผลการดำเนินการก่อสร้างแล้วเสร็จ มีผลการดำเนินงานก่อสร้างดังนี้-

| ตามประมาณการ |           | งานแล้วเสร็จ |           |             | คงเหลือ |           |
|--------------|-----------|--------------|-----------|-------------|---------|-----------|
| งาน          | ครัวเรือน | งาน          | ครัวเรือน | % ครัวเรือน | งาน     | ครัวเรือน |
| ๒๗๕          | ๑,๙๒๙     | ๑๓๗          | ๗๐๗       | ๓๖.๖๕       | ๑๓๘     | ๑,๒๒๒     |

๒.๓ กกค.(ฉ.๒) ได้ตรวจสอบจำนวนความต้องการพัสดุและมูลค่ารวมแยก ๑๒ กฟฟ.ของงานที่คงเหลือจำนวน ๑๓๘ งาน จำนวน ๑,๒๒๒ ครัวเรือน มีรายละเอียดมูลค่าพัสดุที่ขาดแคลนดังนี้-

| กฟฟ.         | ราคารวมพัสดุขาดแคลน (บาท) |
|--------------|---------------------------|
| กฟจ.อบ.      | ๑,๑๖๔,๑๙๒.๙๒              |
| กฟจ.ศก.      | ๘,๗๑๖.๒๔                  |
| กฟจ.ยส.      | ๑๕,๘๘๑.๔๗                 |
| กฟจ.มค.      | ๓๗๕.๕๐                    |
| กฟจ.กส.      | ๒๗๖,๔๖๓.๘๕                |
| กฟจ.รอ.      | ๒๐๙.๒๐                    |
| กฟจ.มท.      | -                         |
| กฟจ.อจ.      | ๒,๔๓๒,๔๘๒.๓๘              |
| กฟอ.สส.      | ๘,๖๑๒.๕๑                  |
| กฟอ.สตจ.     | ๕๑,๗๐๕.๘๒                 |
| กฟอ.กล.      | ๘๓๙,๙๗๐.๑๑                |
| กฟอ.ตอ.      | ๑,๔๕๐,๓๙๑.๒๘              |
| ผลรวมทั้งหมด | ๖,๒๔๙,๐๐๑.๒๘              |

## การไฟฟ้าส่วนภูมิภาค

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### ๓.ข้อพิจารณา

ตามข้อมูล ๒.๑ – ๒.๓ กกค.ได้พิจารณาข้อมูลแล้ว เพื่อให้งานก่อสร้างโครงการ คพม.ปี ๒๕๖๐ ภายในเขต กฟผ.๒ ดำเนินการก่อสร้างแล้วเสร็จและการเบิกจ่ายงบประมาณ ได้ตามแผนงานของ กฟผ. อีกทั้งเพื่อเป็นการสนองต่อนโยบายรัฐบาล รวมถึงการปิดงานก่อสร้าง (กส.๓) เป็นไปด้วยความเรียบร้อย จึงเห็นควรพิจารณาจัดสรรงบประมาณเพื่อดำเนินการจัดซื้อพัสดุขาดแคลนตามรายละเอียดดังนี้.-

๓.๑ ตารางแสดงสรุปความต้องการงบประมาณและการจัดสรรงบประมาณงบจัดซื้อพัสดุขาดแคลนเฉพาะในครั้งนี้.-

| กฟผ.         | ความต้องการงบประมาณ | วงเงินงบประมาณที่จัดสรร<br>ครั้งนี้.- |
|--------------|---------------------|---------------------------------------|
| กฟจ.อบ.      | ๑,๑๖๔,๑๙๒.๙๒        | ๑,๑๐๐,๐๐๐.๐๐                          |
| กฟจ.ศก.      | ๘,๗๑๖.๒๔            | -                                     |
| กฟจ.ยส.      | ๑๕,๘๘๑.๔๗           | -                                     |
| กฟจ.มค.      | ๓๗๕.๕๐              | -                                     |
| กฟจ.กส.      | ๒๗๖,๔๖๓.๘๕          | ๒๘๐,๐๐๐.๐๐                            |
| กฟจ.รอ.      | ๒๐๙.๒๐              | -                                     |
| กฟจ.มท.      | -                   | -                                     |
| กฟจ.อจ.      | ๒,๔๓๒,๔๘๒.๓๘        | ๒,๕๐๐,๐๐๐.๐๐                          |
| กฟอ.สล.      | ๘,๖๑๒.๕๑            | -                                     |
| กฟอ.สตจ.     | ๕๑,๗๐๕.๘๒           | ๑๐๐,๐๐๐.๐๐                            |
| กฟอ.กล.      | ๘๓๙,๙๗๐.๑๑          | ๑,๐๐๐,๐๐๐.๐๐                          |
| กฟอ.ดอ.      | ๑,๔๕๐,๓๙๑.๒๘        | ๑,๕๐๐,๐๐๐.๐๐                          |
| ผลรวมทั้งหมด | ๖,๒๔๙,๐๐๑.๒๘        | ๖,๔๘๐,๐๐๐.๐๐                          |

หลังจากจัดสรรงบประมาณในครั้งนี้แล้วจะทำให้งบประมาณคงเหลือ ๓.๕๒๐ ล้านบาท ส่วน กฟจ.อบ.ที่ได้รับงบประมาณจัดสรรในครั้งนี้ ให้รวมถึงความต้องการพัสดุของ กฟอ.ตผ.และ กฟอ.วรข. ซึ่ง กฟจ.อบ. ต้องดำเนินการจัดซื้อพัสดุขาดแคลนให้ทั้ง ๒ กฟผ. ด้วย

๓.๒ งบประมาณที่จัดสรรให้ในครั้งนี้ตามข้อ ๔.๑ ให้ดำเนินการจัดซื้อเพื่อปิดงานก่อสร้างตามโครงการ คพม. และหาก กฟผ. ได้รับจัดงบประมาณในครั้งนี้แล้วคงเหลือ หรือไม่เพียงพอ ให้แจ้ง กกค.(ฉ.๒) เพื่อพิจารณาดำเนินการต่อไป

๓.๓ ให้ กษข.ฉ.๒ ดำเนินการบันทึกงบประมาณให้แต่ละ กฟผ. ตามตารางข้อ ๓.๑

## การไฟฟ้าส่วนภูมิภาค

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๓.๔ เพื่อให้การดำเนินการแล้วเสร็จตามเป้าหมาย จึงขอให้แต่ละ กฟฟ.ที่ได้รับการจัดสรรในครั้ง  
นี้ เร่งรัดการจัดซื้อให้แล้วเสร็จภายในเดือน มิ.ย.๒๕๖๐

จึงเรียนมาเพื่อโปรดพิจารณา หากเห็นชอบโปรดนำเสนอ อช.ฉ.๒ พิจารณออนุมัติและแจ้งส่วน  
เกี่ยวข้องดำเนินการต่อไป



(นายสมชาย บรรณมาส)

อก.กค.ฉ.๒  
20 เม.ย. 2560

เรียน อช.(ฉ.๒)

เพื่อโปรดพิจารณาอนุมัติต่อไป



(นายวุฒิพงษ์ โพธิ์ศรี)  
อ.ฝ.ว.ฉ.๒

24 เม.ย. 2560

ที่ ฉ.๒ กคค.(กร.)- ๑๑๕๙/๒๕๖๐

เรียน อ.ฝ.ว.บ.,บพ.,ฉ.๒, อก.กค.,บญ.,ชช.ฉ.๒

ผจก.กฟฟ.ชั้น ๑, ๒, ๓, กฟส.ทุกแห่ง

อนุมัติตามเสนอและแจ้งส่วนเกี่ยวข้องดำเนินการ  
ต่อไป



(นายวุฒิพงษ์ โพธิ์ศรี)  
อ.ฝ.ว.ฉ.๒ รักษาการแทน อช.ฉ.๒

24 เม.ย. 2560

| รหัส          | รายละเอียด                                  | รวมรวม |           |        |           |        |           |        |           |        |           |        |           |
|---------------|---------------------------------------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|
|               |                                             | E010   |           | E020   |           | E030   |           | E040   |           | E050   |           | E060   |           |
| รหัส          | รายละเอียด                                  | รวมรวม | รวมรวมค่า | รวมรวม | รวมรวมค่า | รวมรวม | รวมรวมค่า | รวมรวม | รวมรวมค่า | รวมรวม | รวมรวมค่า | รวมรวม | รวมรวมค่า |
| 1-01-001-0002 | ST. ANG, OHGW. COR. BAYONET 2.25 M. LONG    | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         |
| 1-01-005-0003 | ST. PIPE, SIZE 20, 180 MM. LONG W/O T.E.    | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         |
| 1-01-010-0000 | WIRE, ST. SOLID DIA. 4.0 MM. TTS. 71        | 7      | 851       | -      | -         | -      | -         | -      | -         | 1      | 251       | -      | -         |
| 1-01-010-0004 | ST. WIRE, STRANDED 50/7 SQ.MM. TTS. 404     | 50     | 135,132   | 2      | 1,069     | 1      | 386       | -      | -         | 3      | 11,910    | -      | -         |
| 1-01-010-0006 | ST. WIRE, STRANDED 95 SQ.MM. TTS. 404       | 7      | 30,195    | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         |
| 1-01-011-0100 | BOLT, MACHINE M. 12X35 MM.                  | -      | -         | -      | -         | -      | -         | -      | -         | 1      | 110       | -      | -         |
| 1-01-011-0200 | BOLT, MACHINE M. 16X130 MM.                 | 18     | 2,203     | -      | -         | -      | -         | -      | -         | 2      | 567       | -      | -         |
| 1-01-011-0201 | BOLT, MACHINE M. 16X170 MM.                 | 45     | 15,664    | 2      | 115       | -      | -         | -      | -         | 2      | 1,624     | -      | -         |
| 1-01-011-0202 | BOLT, MACHINE M. 16X200 MM.                 | 43     | 8,284     | 2      | 125       | -      | -         | -      | -         | 2      | 894       | -      | -         |
| 1-01-011-0203 | BOLT, MACHINE M. 16X250 MM.                 | 29     | 7,041     | -      | -         | -      | -         | -      | -         | 3      | 1,222     | -      | -         |
| 1-01-011-0204 | BOLT, MACHINE M. 16X300 MM.                 | 18     | 1,310     | -      | -         | -      | -         | -      | -         | 3      | 811       | -      | -         |
| 1-01-011-0205 | BOLT, MACHINE M. 16X350 MM.                 | 11     | 382       | -      | -         | -      | -         | -      | -         | 1      | 35        | -      | -         |
| 1-01-011-0206 | BOLT, MACHINE M. 16X400 MM.                 | 3      | 157       | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         |
| 1-01-011-0207 | BOLT, MACHINE M. 16X450 MM.                 | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         |
| 1-01-012-0001 | BOLT, DOUBLE ARMING, M. 16X450 MM.          | 3      | 376       | -      | -         | -      | -         | -      | -         | 1      | 44        | -      | -         |
| 1-01-013-0001 | BOLT, DOUBLE ARMING, ROUND EYE M. 16X450MM. | 7      | 5,003     | -      | -         | -      | -         | -      | -         | 1      | 1,725     | -      | -         |
| 1-01-013-0002 | BOLT, DOUBLE ARMING, ROUND EYE M. 16X500MM. | 5      | 1,310     | -      | -         | -      | -         | -      | -         | 1      | 562       | -      | -         |
| 1-01-014-0001 | BOLT, ROUND EYE M. 16X200 MM.               | 1      | 40        | -      | -         | -      | -         | -      | -         | 1      | 40        | -      | -         |
| 1-01-014-0002 | BOLT, ROUND EYE M. 16X250 MM.               | 1      | 43        | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         |
| 1-01-018-0001 | NUT, EYE M. 16 DIN 582                      | 4      | 435       | -      | -         | -      | -         | -      | -         | 1      | 404       | -      | -         |
| 1-01-018-0100 | WASHER, PLAIN, SQUARE, 52X52X4.5 MM.        | 52     | 6,486     | 2      | 23        | -      | -         | -      | -         | 3      | 1,393     | -      | -         |
| 1-01-018-0201 | WASHER, SQUARE, CURVED 60X60X5 MM.          | 7      | 585       | -      | -         | -      | -         | -      | -         | 1      | 172       | -      | -         |
| 1-01-018-0300 | WASHER, LOCK, SPRING, SIZE 12 MM., TTS. 259 | -      | -         | -      | -         | -      | -         | -      | -         | 1      | 13        | -      | -         |
| 1-01-018-0301 | WASHER, LOCK, SPRING, SIZE 16 MM., TTS. 259 | 15     | 142       | 1      | 6         | -      | -         | -      | -         | 2      | 44        | -      | -         |
| 1-01-020-0001 | BRACE FLAT, FOR CROSSARM 30X6X760 MM.       | 12     | 11,558    | -      | -         | -      | -         | -      | -         | 2      | 3,199     | -      | -         |
| 1-01-020-0004 | BRACE ALLEY ARM 40X40X5 MM., 2.12 M. LONG   | -      | -         | -      | -         | -      | -         | -      | -         | 1      | 1,053     | -      | -         |
| 1-01-021-0000 | ROD, ANCHOR, ROUND EYE M. 16, 2 M. LONG     | 43     | 43,925    | 2      | 525       | 1      | 175       | -      | -         | 2      | 3,675     | -      | -         |
| 1-01-021-0201 | BOLT, STRAND EYE, 45 DEG. M. 16X250 MM.     | 8      | 1,627     | -      | -         | -      | -         | -      | -         | 1      | 316       | -      | -         |
| 1-01-021-0300 | ANGLE GUY ATTACHMENT 30 DEG.                | 37     | 5,165     | 2      | 71        | 1      | 24        | -      | -         | 1      | 333       | -      | -         |
| 1-01-021-0304 | THIMBLE, GUY, FOR STEEL WIRE 50-95 SQ.MM.   | 43     | 1,607     | 2      | 19        | 1      | 6         | -      | -         | 2      | 146       | -      | -         |
| 1-01-022-0002 | GROUND ROD, 60X60X5 MM., 2 M. LONG          | 41     | 38,784    | -      | -         | -      | -         | -      | -         | 2      | 2,424     | -      | -         |
| 1-01-022-0123 | WELDING POWDER, ST. WIRE 50 SQ.MM., TO GD   | 65     | 19,957    | -      | -         | 18     | 3,955     | -      | -         | 2      | 618       | -      | -         |
| 1-01-022-0126 | MOLD, PEASY WELD, ST. WIRE 50 SQ.MM., TO GD | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         |
| 1-01-023-0000 | CAMP, SINGLE U-BOLT, M. 8 (WIRE ROPE CLIP)  | 51     | 8,848     | 2      | 115       | 1      | 38        | -      | -         | 3      | 949       | -      | -         |
| 1-01-023-0001 | CLAMP, DOUBLE U-BOLT, M. 16(WIRE ROPE CLIP) | 7      | 5,402     | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         |
| 1-02-002-0002 | COND. ACSR 50/8 SQ.MM. TTS. 86              | 1      | 5,208     | -      | -         | -      | -         | -      | -         | 1      | 41,230    | -      | -         |
| 1-02-005-0000 | CABLE, AERIAL, AL 22 KV. 1X50 SQ.MM.        | 9      | 6,666     | -      | -         | -      | -         | -      | -         | 1      | 741       | -      | -         |
| 1-02-007-0002 | CABLE AL, 750 V.50 SQ.MM. TTS. 293          | 11     | 135,485   | 2      | 5,317     | 6      | 11,025    | -      | -         | 1      | 65,415    | -      | -         |
| 1-02-007-0004 | CABLE AL, 750 V.95 SQ.MM. TTS. 293          | 11     | 6,014     | -      | -         | -      | -         | -      | -         | 1      | 547       | -      | -         |
| 1-02-008-9954 | CONDUCTOR, CU, NYPW 0.6/1 KV. 2.5 SQ.MM.    | -      | -         | -      | -         | -      | -         | -      | -         | 4      | 275       | -      | -         |
| 1-02-018-0001 | TAPE, PVC, O/D. 0.18X19X10,000 MM. TTS. 386 | 36     | 1,782     | 2      | 33        | -      | -         | -      | -         | 1      | 132       | -      | -         |
| 1-02-018-0002 | TAPE, PVC, O/D. 0.18X19X20,000 MM. TTS. 386 | 2      | 83        | 1      | 33        | -      | -         | -      | -         | -      | -         | -      | -         |
| 1-02-018-0003 | SPLICING TAPE, AERIAL, CABLE 3/4X30'        | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         |
| 1-02-020-0000 | TAPE, ARMOR, AL 1X10 MM.                    | 43     | 4,374     | 2      | 31        | -      | -         | -      | -         | 2      | 557       | -      | -         |
| 1-02-020-0002 | TTE WIRE, AL 4.0 MM.                        | 48     | 7,286     | -      | -         | -      | -         | -      | -         | 3      | 1,309     | -      | -         |
| 1-02-020-0003 | COVERED TTE WIRE, AL 4.0 MM.                | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         |
| 1-02-030-0101 | CONN., PG, DOUBLE BOLT, AL 16-70 SQ.MM.     | -      | -         | 1      | 31        | -      | -         | -      | -         | -      | -         | -      | -         |
| 1-02-030-0102 | CONN., PG, DOUBLE BOLT, AL 25-95 SQ.MM.     | 33     | 4,515     | 1      | 70        | -      | -         | -      | -         | 2      | 333       | -      | -         |
| 1-02-031-0000 | CONNECTOR, D/E, AL 25-35 SQ.MM.             | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         | -      | -         |
| 1-02-031-0001 | CONNECTOR, D/E, AL 50-70 SQ.MM.             | 37     | 15,215    | 2      | 215       | -      | -         | -      | -         | 1      | 895       | -      | -         |
| 1-02-032-0001 | H-CONNECTOR, MAIN AL 25-50, TAP CU 2.5-6    | -      | -         | -      | -         | -      | -         | -      | -         | 4      | 47        | -      | -         |



สรุปรายละเอียดความต้องการวัสดุและมูลค่าวัสดุโครงการ ถนน ร. 2560

สถานี 28 มี.ค. 2560

| รหัส          | คำอธิบายของวัสดุ                             | E080        |           |             |           | E090        |           |             |           | E100        |           |             |           | E110        |           |             |           | E120 |   |     |           | ต้นทุน<br>เฉลี่ย | รวมมูลค่า |
|---------------|----------------------------------------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|------|---|-----|-----------|------------------|-----------|
|               |                                              | ความต้องการ | รวมมูลค่า | ความต้องการ | รวมมูลค่า | ความต้องการ | รวมมูลค่า | ความต้องการ | รวมมูลค่า | ความต้องการ | รวมมูลค่า | ความต้องการ | รวมมูลค่า | ความต้องการ | รวมมูลค่า | ความต้องการ | รวมมูลค่า |      |   |     |           |                  |           |
| 1-01-001-0002 | ST. ANG. OHGW. COR. BAYONET 2.25 M. LONG     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 3   | 6,084     |                  |           |
| 1-01-005-0003 | ST. PIPE SIZE 20, 180 MM, LONG W/O T.E.      | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 3   | 160       |                  |           |
| 1-01-010-0000 | WIRE, ST. SOLID DIA. 4.0 MM, TTS. 71         | 6           | 962       | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 20  | 4,673     |                  |           |
| 1-01-010-0004 | ST. WIRE, STRANDED 50/7 SQ.MM, TTS. 404      | 23          | 183,041   | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 108 | 472,910   |                  |           |
| 1-01-010-0006 | ST. WIRE, STRANDED 95 SQ.MM, TTS. 404        | 4           | 25,364    | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 19  | 85,973    |                  |           |
| 1-01-011-0100 | BOLT, MACHINE M. 12X35 MM.                   | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 4   | 440       |                  |           |
| 1-01-011-0200 | BOLT, MACHINE M. 16X130 MM.                  | 13          | 2,689     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 52  | 10,465    |                  |           |
| 1-01-011-0201 | BOLT, MACHINE M. 16X170 MM.                  | 18          | 16,254    | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 86  | 45,346    |                  |           |
| 1-01-011-0202 | BOLT, MACHINE M. 16X200 MM.                  | 18          | 9,901     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 83  | 24,653    |                  |           |
| 1-01-011-0203 | BOLT, MACHINE M. 16X250 MM.                  | 22          | 11,440    | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 78  | 27,087    |                  |           |
| 1-01-011-0204 | BOLT, MACHINE M. 16X300 MM.                  | 14          | 2,465     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 60  | 8,954     |                  |           |
| 1-01-011-0205 | BOLT, MACHINE M. 16X350 MM.                  | 7           | 278       | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 31  | 1,110     |                  |           |
| 1-01-011-0206 | BOLT, MACHINE M. 16X400 MM.                  | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 13  | 3,458     |                  |           |
| 1-01-011-0207 | BOLT, MACHINE M. 16X450 MM.                  | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 1   | 44        |                  |           |
| 1-01-012-0001 | BOLT, DOUBLE ARMING, M. 16X450 MM.           | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 9   | 4,700     |                  |           |
| 1-01-013-0001 | BOLT, DOUBLE ARMING, ROUND EYE M. 16X450MM.  | 6           | 11,040    | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 20  | 21,735    |                  |           |
| 1-01-013-0002 | BOLT, DOUBLE ARMING, ROUND EYE M. 16X500MM.  | 4           | 936       | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 16  | 5,054     |                  |           |
| 1-01-014-0001 | BOLT, ROUND EYE M. 16X200 MM.                | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 7   | 756       |                  |           |
| 1-01-014-0002 | BOLT, ROUND EYE M. 16X250 MM.                | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 6   | 778       |                  |           |
| 1-01-018-0001 | NUT, EYE M. 16 DIN 582                       | 6           | 3,670     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 19  | 5,878     |                  |           |
| 1-01-018-0100 | WASHER, PLAIN, SQUARE, 52X52X4.5 MM.         | 29          | 9,064     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 115 | 25,968    |                  |           |
| 1-01-018-0201 | WASHER, SQUARE, CURVED 60X60X5 MM.           | 6           | 666       | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 22  | 4,001     |                  |           |
| 1-01-018-0300 | WASHER, LOCK, SPRING, SIZE 12 MM., TTS. 259  | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 4   | 50        |                  |           |
| 1-01-018-0301 | WASHER, LOCK, SPRING, SIZE 16 MM., TTS. 259  | 13          | 203       | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 53  | 908       |                  |           |
| 1-01-020-0001 | BRACE, FLAT, FOR CROSS ARM 30X6X760 MM.      | 13          | 16,512    | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 43  | 51,806    |                  |           |
| 1-01-020-0004 | BRACE ALLEY ARM 40X40X5 MM. 2. 12 M. LONG    | 1           | 1,404     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 3   | 4,212     |                  |           |
| 1-01-021-0000 | ROD, ANCHOR, ROUND EYE M. 16, 2 M. LONG      | 18          | 55,825    | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 86  | 135,625   |                  |           |
| 1-01-021-0201 | BOLT, STRAND EYE, 45 DEG, M. 16X250 MM.      | 5           | 1,898     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 28  | 8,698     |                  |           |
| 1-01-021-0300 | ANGLE GUY ATTACHMENT 30 DEG.                 | 13          | 6,593     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 73  | 15,089    |                  |           |
| 1-01-021-0304 | THIMBLE, GUY, FOR STEEL WIRE 50-95 SQ.MM.    | 18          | 2,026     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 86  | 5,163     |                  |           |
| 1-01-022-0002 | GROUND ROD, 60X60X5 MM. 2 M. LONG            | 23          | 51,308    | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 86  | 126,856   |                  |           |
| 1-01-022-0123 | WELDING POWDER, ST. WIRE 50 SQ.MM. TO GD     | 23          | 13,967    | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 149 | 56,812    |                  |           |
| 1-01-022-0126 | MOLD PEASY WELD, ST. WIRE 50 SQ.MM. TO GD    | 40          | 14,267    | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 41  | 14,514    |                  |           |
| 1-01-023-0000 | CLAMP, SINGLE U-BOLT, M 8 (WIRE ROPE CLIP)   | 25          | 12,007    | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 109 | 29,200    |                  |           |
| 1-01-023-0001 | CLAMP, DOUBLE U-BOLT, M. 16 (WIRE ROPE CLIP) | 4           | 4,526     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 20  | 15,184    |                  |           |
| 1-02-002-0002 | COND., ACSR 50/8 SQ.MM, TTS. 86              | 6           | 270,382   | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 14  | 694,183   |                  |           |
| 1-02-005-0000 | CABLE, AERIAL, AL 22 KV. 1X50 SQ.MM.         | 7           | 5,926     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 26  | 19,999    |                  |           |
| 1-02-007-0002 | CABLE, AL, 750 V, 50 SQ.MM. TTS. 293         | 17          | 752,665   | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 49  | 1,702,701 |                  |           |
| 1-02-007-0004 | CABLE, AL, 750 V, 95 SQ.MM. TTS. 293         | 7           | 4,374     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 28  | 17,942    |                  |           |
| 1-02-008-9954 | CONDUCTOR, CU, NFW 0.6/1 KV. 2.5 SQ.MM.      | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 5   | 440       |                  |           |
| 1-02-018-0001 | TAPE, PVC, O/D 0. 18X19X10, 000 MM. TTS. 386 | 13          | 1,940     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 65  | 4,501     |                  |           |
| 1-02-018-0002 | TAPE, PVC, O/D 0. 18X19X20, 000 MM. TTS. 386 | 16          | 5,611     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 19  | 5,727     |                  |           |
| 1-02-018-0003 | SPLICING TAPE, AERIAL, CABLE 3/4X30'         | 5           | 842       | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 5   | 842       |                  |           |
| 1-02-020-0000 | TAPE, ARMOR, AL 1X10 MM.                     | 22          | 6,815     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 85  | 16,431    |                  |           |
| 1-02-020-0002 | TTE WIRE, AL, 4.0 MM.                        | 29          | 8,323     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 105 | 27,122    |                  |           |
| 1-02-020-0003 | COVERED TTE WIRE, AL, 4.0 MM.                | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 6   | 2,273     |                  |           |
| 1-02-030-0101 | CONN., PG, DOUBLE BOLT, AL 16-70 SQ.MM.      | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 6   | 534       |                  |           |
| 1-02-030-0102 | CONN., PG, DOUBLE BOLT, AL 25-95 SQ.MM.      | 23          | 2,310     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 85  | 9,888     |                  |           |
| 1-02-031-0000 | CONNECTOR, D/E, AL 25-35 SQ.MM.              | 1           | 620       | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 1   | 620       |                  |           |
| 1-02-031-0001 | CONNECTOR, D/E, AL 50-70 SQ.MM.              | 11          | 14,857    | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 64  | 35,890    |                  |           |
| 1-02-032-0001 | H-CONNECTOR, MAIN AL 25-50, TAP CU 2.5-6     | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -           | -         | -    | - | 4   | 47        |                  |           |

สรุปรายละเอียดความต้องการวัสดุและมูลค่าวัสดุของเครื่องจักรการ กพ.ป. 2560  
สถานะ 28 มี.ค. 2560

| วัสดุ         | คำอธิบายของวัสดุ                        | E080        |        |      |             |        |      |             |        |      |             | E090   |      |             |        |      |             |        |      |             |        | E100 |             |        |      |             |        |      |             |        |      | E110        |        |      |   |   |   |   |   |   |   | E120 |   |   |   |   |   |   |   |   |   | รวม | รวม |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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