

**ตารางแสดงวงเงินงบประมาณที่ได้รับจัดสรรและรายละเอียดค่าใช้จ่าย  
การจัดซื้อจัดจ้างที่มีชิ้นงานก่อสร้าง**

๑. ชื่อโครงการ การจัดซื้อชิ้นส่วนซ่อม เครื่องยนต์ ถ.เอ็ม ๔๘ เอ ๕ จำนวน ๔๒๘ รายการ
๒. หน่วยงานเจ้าของโครงการ ศูนย์ซ่อมสร้างสิ่งอุปกรณ์สายสรรพาวุธ กรมสรรพาวุธทหารบก กองทัพบก
๓. วงเงินงบประมาณที่ได้รับจัดสรร ๓๙,๖๓๘,๗๒๑.- บาท
๔. วันที่กำหนดราคากลาง (ราคาอ้างอิง) ณ วันที่ ๑ กรกฎาคม ๒๕๖๗  
เป็นเงิน ๓๙,๖๒๘,๗๒๑.- บาท  
ราคา/หน่วย (ถ้ามี) ตามบัญชีแนบท้าย
๕. แหล่งที่มาของราคากลาง (ราคาอ้างอิง)  
สืบราคาจากท้องตลาด จำนวน ๒ ราย ดังนี้.-
  ๑. บริษัท ชัยเสรีเม็ททอลแอนด์รับเบอร์ จำกัด
  ๒. บริษัท อัลติเมท ไซเบอร์ เทคโนโลยี จำกัด
๖. รายชื่อเจ้าหน้าที่ผู้รับผิดชอบกำหนดราคากลาง
 

๖.๑ พ.ท. เลอศักดิ์ สบายใจ	สหายใจ	ประธานกรรมการ
๖.๒ ร.อ. ชูพงษ์ ชัยศรี	ชัยศรี	กรรมการ
๖.๓ ร.ต. ธีรวัฒน์ กล้าหาญ	กล้าหาญ	กรรมการและเลขานุการ

## บัญชีแนบท้ายตารางแสดงวงเงินงบประมาณที่ได้รับจัดสรรและรายละเอียดค่าใช้จ่าย

## การจัดซื้อจัดจ้างที่มีชิ้นงานก่อสร้าง

## การจัดซื้อชิ้นส่วนซ่อม เครื่องยนต์ ถ.เอ็ม 48 เอ 5 จำนวน 428 รายการ

ลำดับ	รายการ	หน่วยนับ	ราคาต่อหน่วย (บาท)	หมายเหตุ
<u>ชิ้นส่วนซ่อมเครื่องยนต์ ถ.เอ็ม 48 เอ 5 จำนวน 9 เครื่อง</u>				
<u>ชิ้นส่วนซ่อมของ ถ.เอ็ม 48 เอ 5</u>				
<u>ระบบเครื่องยนต์</u>				
1.	5310-00-842-1488 NUT, PLAIN, SLOTTED, HEXAGON:	EA	140.00	
2.	5310-00-088-0552 NUT, SELF-LOCKING, HEXAGON:	EA	110.00	
3.	5310-00-682-5851 NUT, PLAIN, SLOTTED, HEXAGON:	EA	65.00	
4.	5310-00-950-0039 NUT, SELF-LOCKING, HEXAGON:	EA	90.00	
5.	5310-00-333-7348 WASHER, FLAT:	EA	40.00	
6.	5315-00-234-1864 PIN, COTTER:	EA	20.00	
7.	2815-00-150-7405 CYLINDER HEAD ASSEMBLY, DIESEL ENGINE:	EA	185,000.00	
8.	2815-00-678-3203 GUIDE, VALVE STEM:	EA	2,800.00	
9.	2815-00-678-3202 GUIDE, ENGINE POPPET VALVE TAPPET:	EA	6,800.00	
10.	5315-00-842-3044 PIN, COTTER:	EA	5.00	
11.	2815-00-238-9191 RETAINER, CRANKSHAFT: OIL SEAL	EA	1,050.00	
12.	5330-00-678-3225 SEAL, PLAIN: CRANKSHAFT OIL,	EA	4,350.00	
13.	8724996 BEARING HALF , SLEEVE:	EA	115,000.00	
14.	8761331 BEARING HALF , SLEEVE:	EA	125,000.00	
15.	2815-00-679-4971 LOCK PLATE, NUT BOLT:	EA	500.00	
16.	5306-00-206-3850 BOLT, MACHINE:	EA	750.00	
17.	5310-00-486-0399 NUT, PLAIN, HEXAGON:	EA	450.00	
18.	3120-00-423-4100 BEARING, SLEEVE:	EA	600.00	
19.	2815-00-467-3407 PIN, PISTON	EA	550.00	
20.	5365-00-202-0194 RING, RETAINING:	EA	10.00	
21.	2815-00-397-3316 PISTON, INTERNAL COMBUSTION ENGINE:	EA	12,000.00	
22.	2815-00-427-0551 PISTON, INTERNAL COMBUSTION ENGINE:	EA	30,000.00	
23.	2815-00-410-1211 RING SET, PISTON:	EA	3,715.00	
24.	2815-00-410-1236 RING SET, PISTON:	EA	25,000.00	
25.	3120-01-018-0192 BEARING HALF SET, SLEEVE:	EA	20,000.00	
26.	3120-00-410-1988 BEARING HALF SET, SLEEVE:	EA	20,000.00	
27.	3120-00-275-1610 BEARING HALF, SLEEVE:	EA	17,500.00	
28.	2815-00-150-7407 VALVE, POPPET, ENGINE:	EA	6,500.00	
29.	2815-00-150-7406 VALVE, POPPET, ENGINE:	EA	4,900.00	
30.	2815-00-679-8058 SHAFT, SHOULDERED:	EA	4,400.00	
31.	5310-00-167-0820 WASHER, FLAT:	EA	30.00	
32.	5310-00-407-9566 WASHER, LOCK:	EA	12.00	

ลำดับ	รายการ	หน่วยนับ	ราคาต่อหน่วย (บาท)	หมายเหตุ
33.	4730-00-908-3193 CLAMP, HOSE:	EA	105.00	
34.	4720-00-896-6166 HOSE, AIR DUCT:	EA	200.00	
35.	4730-00-223-7014 ADAPTER, STRAIGHT, FLANGE TO HOSE:	EA	2,100.00	
36.	2815-00-394-9719 SLEEVE, INTERCYLINDER CAMSHAFT	EA	600.00	
37.	5310-00-167-0822 WASHER, FLAT:	EA	15.00	
38.	5365-00-754-1083 RING, RETAINING:	EA	60.00	
39.	5305-00-914-6133 SCREW, CAP, HEXAGON HEAD:	EA	260.00	
40.	5305-00-051-4076 SCREW, CAP, HEXAGON HEAD:	EA	110.00	
41.	5310-00-141-1795 WASHER, FLAT:	EA	4.00	
42.	5305-00-910-7369 SCREW, CAP, HEXAGON HEAD:	EA	350.00	
43.	5305-00-709-8515 SCREW, CAP, HEXAGON HEAD:	EA	95.00	
44.	5340-00-468-1596 PLUG, EXPANSION:	EA	400.00	
45.	4730-00-837-7073 ADAPTER, STRAIGHT, PIPE	EA	1,850.00	
46.	4730-00-231-5598 ELBOW, PIPE:	EA	4,700.00	
47.	4730-00-764-1661 REDUCER, PIPE:	EA	1,800.00	
48.	5340-00-828-2830 PLUG, EXPANSION:	EA	450.00	
49.	5365-00-803-7317 RING, RETAINING:	EA	300.00	
50.	2940-00-392-9633 RETAINER, OIL FILTER ELEMENT	EA	2,150.00	
51.	5360-00-510-4109 SPRING, HELICAL, COMPRESSION:	EA	330.00	
52.	2940-00-516-1265 SUPPORT, OIL FILTER ELEMENT	EA	295.00	
53.	4730-00-678-3303 ADAPTER, STRAIGHT, TUBE TO BOSS:	EA	1,300.00	
54.	5310-00-184-8974 WASHER, FLAT:	EA	42.00	
55.	5310-00-982-4908 NUT, SELF-LOCKING, HEXAGON:	EA	214.00	
56.	5305-00-269-2806 SCREW, CAP HEXAGON HEAD:	EA	210.00	
57.	2940-00-397-3404 PARTS KIT, FLUID PRESSURE FILTER:	EA	1,400.00	
58.	4730-00-909-8627 CLAMP, HOSE: UPPER OIL FILLER	EA	33.00	
59.	8357967-4 HOSE, NONMETALLIC:	EA	3,240.00	
60.	5310-00-088-0553 NUT, SELF-LOCKING, HEXAGON:	EA	50.00	
61.	7350206 HOSE, NONMETALLIC:	EA	150.00	
62.	4710-00-073-5129 TUBE, BENT, METALLIC:	EA	395.00	
63.	4710-00-406-1528 TUBE, BENT, METALLIC:	EA	2,350.00	
64.	2815-00-575-0398 TUBE, OIL PAN:	EA	1,450.00	
65.	5305-00-051-4075 SCREW, CAP, HEXAGON HEAD:	EA	64.00	
66.	5305-00-051-4084 SCREW, CAP, HEXAGON HEAD:	EA	545.00	
67.	2815-00-406-4622 TUBE, OIL PAN DRAIN:	EA	545.00	
68.	4710-00-477-9900 TUBE, BENT, METALLIC:	EA	12,500.00	
69.	4710-00-477-9899 TUBE, BENT, METALLIC:	EA	4,550.00	
70.	2815-00-833-8164 TUBE ASSEMBLY, CYLINDER:	EA	9,290.00	
71.	4710-00-457-0479 TUBE, BENT, METALLIC:	EA	92.00	

ลำดับ	รายการ	หน่วยนับ	ราคาต่อหน่วย (บาท)	หมายเหตุ
72.	4730-00-223-7007 ELBOW, FLANGE TO HOSE:	EA	2,120.00	
73.	2815-00-406-4623 TUBE, OIL PAN DRAIN:	EA	1,150.00	
74.	2815-00-071-8124 TUBE ASSEMBLY, CYLINDER:	EA	6,475.00	
75.	5310-00-679-5685 WASHER, FLAT:	EA	16.00	
76.	4730-00-618-5372 ELBOW, TUBE:	EA	125.00	
77.	4720-00-678-3286 HOSE ASSEMBLY, NONMETALLIC	EA	1,600.00	
78.	5310-00-282-7822 NUT, PLAIN, HEXAGON:	EA	830.00	
79.	5310-00-167-0827 WASHER, FLAT:	EA	40.00	
80.	4730-00-457-1984 CONNECTOR, MULTIPLE, FLUID PRESSURE LINE:	EA	2,445.00	
81.	4730-00-995-1559 ADAPTER, STRAIGHT, PIPE TO TUBE:	EA	210.00	
82.	4720-00-177-6186 HOSE, AIR DUCT:	EA	3,545.00	
83.	4710-00-401-4368 TUBE, BENT, METALLIC:	EA	250.00	
84.	2815-00-402-2170 TEE, CRANKCASE BREATHER:	EA	2,450.00	
85.	4720-00-896-6165 HOSE, AIR DUCT:	EA	210.00	
86.	4710-00-438-1811 TUBE, BENT, METALLIC:	EA	950.00	
87.	4720-00-459-2835 HOSE ASSEMBLY, NONMETALLIC:	EA	2,740.00	
88.	4720-01-155-5061 HOSE ASSEMBLY, NONMETALLIC:	EA	4,525.00	
89.	4730-00-959-5930 ADAPTER, STRAIGHT, TUBE TO BOSS:	EA	925.00	
90.	5340-00-964-5267 CLAMP, LOOP: OIL COOLER	EA	68.00	
91.	4730-00-804-1923 TEE, TUBE: OIL COOLER	EA	295.00	
92.	5340-00-725-5280 CLAMP, LOOP:	EA	105.00	
93.	5340-00-057-3043 CLAMP, LOOP:	EA	55.00	
94.	5365-00-533-6657 SPACER, PLATE	EA	300.00	
95.	5340-00-493-4057 CLAMP, LOOP:	EA	140.00	
96.	4730-00-194-2481 ADAPTER, STRAIGHT, FLANGE TO HOSE:	EA	1,625.00	
97.	4730-00-122-0526 ELBOW, PIPE TO TUBE:	EA	2,180.00	
98.	4720-00-410-1184 HOSE ASSEMBLY, NONMETALLIC:	EA	1,685.00	
99.	4720-00-410-1231 HOSE ASSEMBLY, NONMETALLIC:	EA	2,850.00	
100.	5310-00-184-8992 WASHER, FLAT:	EA	100.00	
101.	6620-00-734-6573 THERMOSTAT, FLOW CONTROL:	EA	6,700.00	
102.	5310-00-081-4219 WASHER, FLAT:	EA	15.00	
103.	5305-00-019-2417 SCREW, ASSEMBLED WASHER:	EA	50.00	
104.	2930-00-766-0903 HOSE ASSEMBLY, PLASTIC:	EA	5,310.00	
105.	6620-01-050-2086 THERMOSTAT, FLOW CONTROL:	EA	7,810.00	
106.	5365-00-287-0094 PLUG, MACHINE THREAD:	EA	5.00	
107.	5340-00-738-5174 CLAMP, LOOP:	EA	270.00	
108.	AE3660060E0270 HOSE ASSEMBLY, NONMETALLIC	EA	6,120.00	
109.	4820-01-163-7156 COCK, DRAIN: OIL SAMPLING	EA	5,210.00	
110.	4730-00-116-6686 TEE, TUBE TO BOSS:	EA	888.00	

ลำดับ	รายการ	หน่วยนับ	ราคาต่อหน่วย (บาท)	หมายเหตุ
111.	AE3660060E0300 HOSE ASSEMBLY, NONMETALLIC:	EA	3,760.00	
112.	2815-00-392-9420 MANIFOLD, EXHAUST:	EA	26,575.00	
113.	5310-00-774-4570 WASHER, FLAT:	EA	50.00	
114.	5310-01-151-2732 NUT, SELF-LOCKING, HEXAGON:	EA	230.00	
115.	2990-00-604-7366 ELBOW, EXHAUST, MANIFOLD:	EA	46,440.00	
116.	5305-00-801-5747 SCREW, CAP, HEXAGON HEAD:	EA	50.00	
117.	2990-00-397-3374 PIPE, EXHAUST:	EA	23,130.00	
118.	2815-00-388-9988 MANIFOLD, EXHAUST:	EA	34,760.00	
119.	5305-00-269-2808 SCREW, CAP, HEXAGON HEAD:	EA	190.00	
120.	2815-00-388-9992 MANIFOLD, EXHAUST:	EA	43,600.00	
121.	2990-00-389-0197 PIPE, EXHAUST:	EA	15,040.00	
122.	2815-00-392-9426 MANIFOLD, EXHAUST:	EA	21,530.00	
123.	2990-00-397-3383 PIPE, EXHAUST:	EA	22,580.00	
124.	5310-00-905-4600 NUT, PLAIN,HEXAGON:	EA	48.00	
125.	5365-00-209-0174 SPACER, RING:	EA	180.00	
126.	5365-00-205-9307 SPACER, RING:	EA	125.00	
127.	5365-00-822-2136 RING, RETAINING:	EA	100.00	
128.	3110-00-156-5445 BEARING, BALL, ANNULAR:	EA	425.00	
129.	5365-00-260-4875 RING, RETAINING:	EA	690.00	
130.	3110-00-155-6675 BEARING, BALL, ANNULAR:	EA	5,100.00	
131.	5310-00-401-0825 NUT, PLAIN, SLOTTED, HEXAGON:	EA	545.00	
132.	2815-00-861-1448 SHAFT, IDLER GEAR: STARTER DRIVEN DRIVE	EA	535.00	
133.	3110-00-516-5490 BEARING, BALL, ANNULAR:	EA	2,545.00	
134.	3040-00-861-1447 GEARSHAFT, SPUR: STARTER DRIVEN	EA	29,735.00	
135.	3020-00-678-4238 GEAR, SPUR: STARTER DRIVEN	EA	57,700.00	
136.	5310-00-655-9370 WASHER, LOCK:	EA	100.00	
137.	2920-00-177-7844 ADAPTER, GENERATOR:	EA	23,500.00	
138.	3040-00-678-4236 GEARSHAFT, SPUR:	EA	22,000.00	
139.	2815-00-678-4233 SHAFT, IDLER,GEAR:	EA	2,060.00	
140.	3020-00-678-4239 GEAR, SPUR:	EA	9,145.00	
141.	3020-00-851-9176 GEAR, SPUR:	EA	18,295.00	
142.	3110-00-554-3197 BEARING, BALL, ANNULAR:	EA	350.00	
143.	3110-00-120-4367 BEARING, ROLLER, NEEDLE:	EA	635.00	
144.	5365-00-804-3891 RING, RETAINING:	EA	105.00	
145.	2910-01-041-3464 STUD-FUEL INLET:	EA	590.00	
146.	4730-01-005-2014 REDUCER, PIPE:	EA	3,200.00	
147.	4730-00-172-0058 FITTING, LUBRICATION:	EA	730.00	
148.	4710-01-012-4648 TUBE ASSEMBLY, METAL:	EA	12,500.00	
149.	4710-01-012-4647 TUBE ASSEMBLY, METAL:	EA	10,500.00	

ลำดับ	รายการ	หน่วยนับ	ราคาต่อหน่วย (บาท)	หมายเหตุ
150.	4710-01-012-4651 TUBE ASSEMBLY, METAL:	EA	9,500.00	
151.	4710-01-012-4650 TUBE ASSEMBLY, METAL:	EA	9,500.00	
152.	4710-01-012-4646 TUBE ASSEMBLY, METAL:	EA	11,500.00	
153.	4710-01-012-4645 TUBE ASSEMBLY, METAL:	EA	10,500.00	
154.	5340-01-026-4024 STRAP, RETAINING:	EA	135.00	
155.	5340-01-017-4508 FAIRLEAD HALF, TUBULAR:	EA	320.00	
156.	5340-01-017-6947 STRAP, RETAINING:	EA	365.00	
157.	5340-01-015-9789 FAIRLEAD HALF, TUBULAR:	EA	345.00	
158.	5365-01-044-8400 SPACER, PLATE:	EA	50.00	
159.	5340-01-041-2420 STRAP, RETAINING:	EA	95.00	
160.	5365-01-047-9403 SPACER, PLATE:	EA	280.00	
161.	5340-01-010-6169 BRACKET, ANGLE:	EA	590.00	
162.	5306-01-013-7020 BOLT, SELF-LOCKING:	EA	1,000.00	
163.	5340-01-010-6174 BRACKET, DOUBLE ANGLE:	EA	295.00	
164.	5340-01-015-9788 FAIRLEAD HALF, TUBULAR:	EA	345.00	
165.	5340-01-026-2008 STRAP, RETAINING:	EA	88.00	
166.	5340-01-010-6171 BRACKET, DOUBLE ANGLE:	EA	440.00	
167.	5340-01-010-6172 BRACKET, DOUBLE ANGLE:	EA	1,030.00	
168.	5340-01-010-6173 BRACKET, DOUBLE ANGLE:	EA	345.00	
169.	5340-01-010-6170 BRACKET, DOUBLE ANGLE:	EA	1,305.00	
170.	4710-01-012-4655 TUBE ASSEMBLY, METAL:	EA	12,500.00	
171.	4710-01-012-4652 TUBE ASSEMBLY, METAL:	EA	12,850.00	
172.	4710-01-012-4649 TUBE ASSEMBLY, METAL:	EA	10,500.00	
173.	4710-01-012-4653 TUBE ASSEMBLY, METAL:	EA	12,500.00	
174.	4710-01-014-8156 TUBE ASSEMBLY, METAL:	EA	12,850.00	
175.	4710-01-012-4654 TUBE ASSEMBLY, METAL:	EA	12,500.00	
176.	4730-00-278-0375 BOLT, FLUID, PASSAGE:	EA	210.00	
177.	5310-00-678-5370 WASHER, FLAT:	EA	110.00	
178.	4720-00-475-3435 HOSE ASSEMBLY, NONMETALLIC:	EA	50.00	
179.	4730-00-278-5824 CONNECTOR, MULTIPLE, FLUID, PRESSURE LINE:	EA	650.00	
180.	4730-01-011-3961 CONNECTOR, MULTIPLE, FLUID, PRESSURE LINE:	EA	260.00	
181.	4730-00-993-7764 ELBOW, TUBE:	EA	575.00	
182.	5340-00-881-5303 CLAMP, LOOP:	EA	85.00	
183.	4710-01-011-9104 TUBE ASSEMBLY, METAL:	EA	165.00	
184.	4730-01-014-4912 ELBOW, TUBE:	EA	950.00	
185.	4720-01-009-5833 HOSE ASSEMBLY, NONMETALLIC:	EA	180.00	
186.	2910-00-678-3299 CONNECTOR, FLUID, PRESSURE:	EA	250.00	
187.	5310-00-902-6676 NUT, SELF-LOCKING, HEXAGON:	EA	50.00	
188.	5305-00-993-1851 SCREW, MACHINE:	EA	20.00	

ลำดับ	รายการ	หน่วยนับ	ราคาต่อหน่วย (บาท)	หมายเหตุ
189.	4710-01-009-4306 TUBE ASSEMBLY, METAL:	EA	3,645.00	
190.	4730-00-803-7728 CROSS, TUBE:	EA	2,895.00	
191.	5310-00-809-8540 WASHER, FLAT:	EA	200.00	
192.	5340-00-451-8861 CLAMP, LOOP:	EA	12,200.00	
193.	5340-00-497-7049 CLAMP, LOOP:	EA	165.00	
194.	4820-00-790-2301 VALVE, CHECK:	EA	1,515.00	
195.	4720-00-792-5393 HOSE ASSEMBLY, NONMETALLIC:	EA	735.00	
196.	4720-00-461-9797 HOSE ASSEMBLY, NOMETALLIC:	EA	2,140.00	
197.	4730-00-902-3188 ELBOW, PIPE TO TUBE:	EA	90.00	
198.	MS28741-8-0120 HOSE ASSEMBLY, NONMETALLIC:	EA	140.00	
199.	4730-00-402-5143 ADAPTER, STRAIGHT, PIPE TO TUBE:	EA	135.00	
200.	4730-00-350-9786 ADAPTER, STRAIGHT, PIPE TO TUBE:	EA	960.00	
201.	10882763-1 PUMP ASSEMBLY, ENGINE FUEL:	EA	150,000.00	
202.	4720-00-420-4396 HOSE ASSEMBLY, NONMETALLIC:	EA	2,435.00	
203.	4730-00-277-5139 TEE, PIPE TO TUBE:	EA	2,250.00	
204.	12254390 SPRING:	EA	425.00	
205.	12254389 VALVE, CONTROL:	EA	3,185.00	
206.	5330-00-291-3303 PACKING, PREFORMED:	EA	1,315.00	
207.	5330-00-585-0871 PACKING, PREFORMED:	EA	45.00	
208.	12254391 VALVE, SLEEVE:	EA	425.00	
209.	12254392 SPRING:	EA	315.00	
210.	12254395 GASKET:	EA	1,505.00	
211.	MS28741-8-0194 HOSE ASSEMBLY, NONMETALLIC:	EA	2,115.00	
212.	4730-00-689-1236 ELBOW, TUBE:	EA	380.00	
213.	5340-00-057-3037 CLAMP, LOOP:	EA	50.00	
214.	4710-01-139-1864 TUBE ASSEMBLY:	EA	425.00	
215.	4730-00-375-6403 LOCKNUT, TUBE FITTING:	EA	250.00	
216.	4710-01-109-8031 TUBE ASSEMBLY, METAL:	EA	295.00	
217.	4710-01-146-1903 TUBE ASSEMBLY, METAL:	EA	6,010.00	
218.	4730-01-035-7544 ADAPTER, STRAIGHT, PIPE TO TUBE:	EA	915.00	
219.	4730-00-035-8036 ELBOW, PIPE:	EA	1,990.00	
220.	4730-00-186-7798 NIPPLE,PIPE:	EA	405.00	
221.	4810-00-487-2775 VALVE, SOLENOID:	EA	3,830.00	
222.	4730-00-127-4461 ELBOW, PIPE TO TUBE:	EA	170.00	
223.	4710-01-109-8033 TUBE ASSEMBLY, METAL:	EA	440.00	
224.	4710-01-146-1904 TUBE ASSEMBLY, METAL:	EA	320.00	
225.	4730-01-109-7971 TEE, PIPE TO TUBE:	EA	1,975.00	
226.	4730-01-036-5064 ELBOW, PIPE TO TUBE:	EA	2,745.00	
227.	2950-00-453-5387 CLAMP, TIE ROD:	EA	915.00	

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228.	4730-00-032-2220 CLAMP, HOSE:	EA	580.00	
229.	8761490-1 HOSE, NONMETALLIC:	EA	155.00	
230.	4710-00-245-8305 TUBE, METALLIC:	EA	575.00	
231.	4720-01-031-0519 HOSE ASSEMBLY, NONMETALLIC:	EA	4,575.00	
232.	4730-00-466-7467 LOCKNUT, TUBE FITTING:	EA	385.00	
233.	5310-00-209-0965 WASHER, LOCK:	EA	12.00	
234.	4730-00-720-0987 NIPPLE, TUBE:	EA	715.00	
235.	4720-01-053-2018 HOSE ASSEMBLY, NONMETALLIC:	EA	155.00	
236.	5340-00-057-3034 CLAMP, LOOP:	EA	220.00	
237.	2910-01-017-1482 FILTER, FLUID, PRESSURE:	EA	1,880.00	
238.	4820-00-684-0880 COCK, DRAIN:	EA	190.00	
239.	4730-00-466-7465 TEE, PIPE TO TUBE:	EA	2,640.00	
240.	4330-00-025-3493 FILTER ASSEMBLY, FLUID, PRESSURE:	EA	855.00	
241.	4720-01-036-7474 HOSE ASSEMBLY, NONMETALLIC:	EA	3,100.00	
242.	2590-00-423-3850 WIRING HARNESS:	EA	6,700.00	
243.	5340-00-809-1490 CLAMP, LOOP:	EA	70.00	
244.	5340-00-088-6655 CLAMP, LOOP:	EA	45.00	
245.	2910-01-022-6967 FILTER, FUEL-WATER SEPARATOR:	EA	760.00	
246.	4720-01-053-2019 HOSE ASSEMBLY, NONMETALLIC:	EA	3,645.00	
247.	4730-00-421-3849 ADAPTER, STRAIGHT, PIPE TO TUBE:	EA	1,780.00	
248.	2910-00-410-1212 CONTROL ASSEMBLY, FUEL WATER SEPARATOR:	EA	12,500.00	
249.	4730-00-231-4010 ELBOW, PIPE TO TUBE:	EA	2,875.00	
250.	4710-00-410-1222 TUBE ASSEMBLY, METAL:	EA	1,890.00	
251.	4820-00-013-4866 COCK, DRAIN:	EA	1,255.00	
252.	5310-00-582-5965 WASHER, LOCK:	EA	10.00	
253.	2815-00-808-2421 FILTER, FLUID, PRESSURE:	EA	185.00	
254.	5310-00-087-4652 NUT, SELF-LOCKING, HEXAGON:	EA	280.00	
255.	5305-00-269-3215 SCREW, CAP, HEXAGON HEAD:	EA	85.00	
256.	2910-00-801-1152 PARTS KIT:	EA	675.00	
257.	2910-00-410-1964 PARTS KIT, FLUID PRESSURE:	EA	650.00	
258.	2920-00-711-5829 SPARK PLUG ASSEMBLY:	EA	725.00	
259.	2990-01-041-3370 NOZZLE ASSEMBLY, FLAME HEATER	EA	9,145.00	
260.	11642092-1 HOUSING:	EA	7,500.00	
261.	4730-00-196-0930 BUSHING, PIPE:	EA	6,180.00	
262.	4730-00-944-7049 ELBOW, PIPE TO TUBE:	EA	180.00	
263.	4730-00-231-4009 ELBOW, PIPE TO TUBE:	EA	820.00	
264.	5340-00-067-3868 CLAMP, LOOP:	EA	250.00	
265.	4820-00-467-2578 VALVE, CHECK:	EA	2,475.00	
266.	4730-01-026-1848 ELBOW, PIPE:	EA	2,315.00	

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267.	4810-00-974-7605 VALVE, SOLENOID:	EA	11,790.00	
268.	4730-00-090-9182 COUPLING, PIPE:	EA	5,360.00	
269.	4730-00-231-5605 ELBOW, PIPE:	EA	1,230.00	
270.	4730-00-277-9305 TEE, PIPE TO TUBE:	EA	1,690.00	
271.	5325-00-184-9846 GROMMET, NONMETALLIC:	EA	180.00	
272.	4720-01-030-1057 HOSE ASSEMBLY, NONMETALLIC:	EA	1,395.00	
273.	5340-00-559-6128 CLAMP, LOOP:	EA	675.00	
274.	5340-00-104-7582 CLAMP, LOOP:	EA	365.00	
275.	4730-00-810-7039 TEE, PIPE TO TUBE:	EA	2,655.00	
276.	10882779 TUBE ASSEMBLY:	EA	2,600.00	
277.	5340-00-114-0093 CLAMP, LOOP:	EA	2,600.00	
278.	2990-00-770-1641 IGNITION UNIT, MANIFOLD HEATER	EA	97,295.00	
279.	2920-00-410-1975 LEAD AND CONDUIT ASSEMBLY, ELECTRICAL:	EA	1,000.00	
280.	4710-00-399-5304 TUBE ASSEMBLY, METAL:	EA	9,010.00	
281.	10882780 TUBE ASSEMBLY:	EA	75.00	
282.	4710-00-410-1218 TUBE ASSEMBLY, METAL:	EA	1,930.00	
283.	11642092-2 HOUSING:	EA	8,250.00	
284.	4730-00-640-6582 NIPPLE, PIPE:	EA	999.00	
285.	5340-00-057-3029 CLAMP, LOOP:	EA	995.00	
286.	4730-00-003-5919 ADAPTER, STRAIGHT, PIPE TO TUBE:	EA	450.00	
287.	4730-00-805-0676 TEE, PIPE:	EA	2,870.00	
288.	4730-00-430-3165 BUSHING, PIPE:	EA	1,045.00	
289.	2910-01-011-9105 FILTER, FLUID, PRESSURE:	EA	1,350.00	
290.	10882777 TUBE ASSEMBLY:	EA	385.00	
291.	5365-00-803-7305 RING, RETAINING:	EA	45.00	
292.	3110-00-227-3620 BEARING, BALL, ANNULAR:	EA	1,155.00	
293.	5360-01-047-9364 SPRING, HELICAL, EXTENSION:	EA	350.00	
294.	5310-00-982-4912 NUT, SELF-LOCKING, HEXAGON:	EA	85.00	
295.	5310-00-945-0528 WASHER, FLAT:	EA	20.00	
296.	5330-00-486-0372 SEAL, PLAIN:	EA	615.00	
297.	3120-00-846-2012 BEARING, SLEEVE:	EA	40.00	
298.	3120-01-022-2044 BEARING, PLAIN, ROD END:	EA	735.00	
299.	3040-01-026-0702 CONNECTING LINK, RIGID:	EA	2,810.00	
300.	5310-00-282-6907 WASHER, FLAT:	EA	55.00	
301.	5365-00-842-2613 RING, RETAINING:	EA	55.00	
302.	5310-00-491-0327 WASHER, FLAT:	EA	25.00	
303.	5360-00-838-3596 SPRING, HELICAL, TORSION:	EA	2,500.00	
304.	5310-00-853-9335 NUT, PLAIN, HEXAGON:	EA	355.00	
305.	3120-01-024-9168 BEARING, PLAIN, ROD END:	EA	3,745.00	

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306.	2815-00-410-1125 PLATE, SHROUD, DIESEL ENGINE:	EA	7,500.00	
307.	2815-00-423-3618 PLATE, SHROUD, DIESEL ENGINE:	EA	60,000.00	
308.	2815-00-446-1757 SHROUD, AIR FLOW:	EA	13,500.00	
309.	2520-01-073-4085 SHIELD, TRANSMISSION:	EA	3,200.00	
310.	2930-00-107-1221 SHROUD, PLATE, TURBOSUPERCHARGER:	EA	7,500.00	
311.	2815-00-410-1131 SHROUD, DIESEL ENGINE:	EA	18,610.00	
312.	2815-00-177-8216 PLATE, SHROUD, TURBOSUPERCHARGER:	EA	12,250.00	
313.	2930-00-998-4724 PLATE, ENGINE SHROUD:	EA	17,320.00	
314.	2815-00-394-9708 SHROUD, DIESEL ENGINE:	EA	200.00	
315.	2930-01-007-7209 BRACKET, SHROUD:	EA	200.00	
316.	2930-01-012-9150 BRACKET, SHROUD:	EA	200.00	
317.	2930-01-011-9019 BRACKET, SHROUD:	EA	200.00	
318.	2930-01-010-9089 BRACKET, SHROUD:	EA	200.00	
319.	2815-00-394-9709 SHROUD, DIESEL ENGINE:	EA	200.00	
320.	2930-00-679-8093 DEFLECTOR, AIR, ENGINE COOLING:	EA	200.00	
321.	2930-00-679-8090 DEFLECTOR, AIR, ENGINE COOLING:	EA	200.00	
322.	5340-00-402-4435 STRAP, RETAINING: CYLINDER AIR	EA	255.00	
323.	2930-00-679-8092 DEFLECTOR, AIR, ENGINE COOLING:	EA	6,750.00	
324.	5310-00-877-5796 NUT, SELF-LOCKING, HEXAGON:	EA	88.00	
325.	5305-00-267-8983 SCREW, CAP, HEXAGON HEAD:	EA	3.00	
326.	5310-00-167-0818 WASHER, FLAT:	EA	6.00	
327.	5310-00-637-9541 WASHER, LOCK:	EA	30.00	
328.	5305-00-269-3245 SCREW, CAP, HEXAGON HEAD:	EA	155.00	
329.	5305-00-269-3240 SCREW, CAP, HEXAGON HEAD:	EA	3,240.00	
330.	5315-00-013-7214 PIN, COTTER:	EA	150.00	
331.	5310-00-678-3257 WASHER, FLAT:	EA	550.00	
332.	5315-01-027-6616 PIN, COTTER:	EA	100.00	
333.	2930-00-679-5742 FAN ASSEMBLY, ENGINE:	EA	250,000.00	
334.	5365-00-803-7304 RING, RETAINING:	EA	715.00	
335.	3110-00-516-5290 BEARING, BALL, ANNULAR:	EA	335.00	
336.	3110-00-554-3899 BEARING, BALL, ANNULAR:	EA	1,405.00	
337.	5310-00-209-2629 WASHER, KEY:	EA	2.00	
338.	5306-00-150-9104 BOLT, MACHINE:	EA	135.00	
339.	3110-00-554-5302 BEARING, BALL, ANNULAR:	EA	2,655.00	
340.	2930-00-678-3265 SHAFT, STRAIGHT:	EA	6,275.00	
341.	5365-00-828-7570 RING, RETAINING:	EA	365.00	
342.	8761226 HOSE, NONMETALLIC:	EA	755.00	
343.	2930-00-678-3269 GEAR SET, BEVEL, MATCHED:	EA	91,300.00	
344.	3020-00-678-7099 GEAR SET, BEVEL, MATCHED:	EA	21,500.00	

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345.	3110-00-554-2979 BEARING, BALL, ANNULAR:	EA	735.00	
346.	3110-00-555-5207 BEARING, BALL, ANNULAR:	EA	1,180.00	
347.	5340-00-242-5601 STRAP, RETAINING:	EA	1,250.00	
348.	4730-00-908-6292 CLAMP, HOSE:	EA	350.00	
349.	4720-00-410-1180 HOSE, PREFORMED:	EA	6,500.00	
350.	5340-00-453-5595 STRAP, RETAINING:	EA	850.00	
351.	2920-00-411-8330 PIPE, AIR EXHAUST, GENERATOR	EA	16,000.00	
352.	2990-00-771-6969 BOOT, GENERATOR AIR:	EA	65,500.00	
353.	4730-00-908-6293 CLAMP, HOSE:	EA	650.00	
354.	2920-00-063-8127 TUBE ASSEMBLY, GENERATOR:	EA	12,500.00	
355.	2920-00-771-6968 HOSE, GENERATOR AIR	EA	28,000.00	
356.	2920-00-245-8162 ELBOW:	EA	18,500.00	
357.	5330-01-026-9498 GASKET AND PREFORMED PACKING SET:	EA	12,750.00	
358.	5310-00-616-3554 WASHER, LOCK:	EA	6.00	
359.	5310-00-934-9734 NUT, PLAIN, HEXAGON:	EA	175.00	
360.	2590-00-879-1666 LEAD, ELECTRICAL:	EA	11,060.00	
361.	5305-00-267-8974 SCREW, CAP, HEXAGON HEAD:	EA	80.00	
362.	2920-00-487-9461 RELAY-SOLENOID, ENGINE STARTER ELECTRICAL:	EA	16,215.00	
363.	5930-00-688-9882 SWITCH, THERMOSTATIC:	EA	9,960.00	
364.	6685-00-814-5271 TRANSMITTER, TEMPERATURE, ELECTRICAL RESISTANCE:	EA	670.00	
365.	5930-01-021-1559 SWITCH, PRESSURE:	EA	2,310.00	
366.	4730-00-278-3912 BUSHING, PIPE:	EA	13.00	
367.	6620-00-993-5546 TRANSMITTER, PRESSURE:	EA	2,080.00	
368.	4730-00-277-9142 ELBOW, PIPE:	EA	315.00	
369.	5325-00-290-1960 GROMMET, NONMETALLIC:	EA	888.00	
370.	5310-00-489-5663 NUT, STAMPED:	EA	50.00	
371.	5310-00-761-6882 NUT, PLAIN, HEXAGON:	EA	145.00	
372.	5305-00-068-0500 SCREW, CAP, HEXAGON HEAD:	EA	200.00	
373.	2920-00-399-5303 WIRING HARNESS, BRANCHED:	EA	50,000.00	
374.	2590-00-423-3622 WIRING HARNESS:	EA	7,365.00	
375.	2590-01-008-1441 LEAD, ELECTRICAL:	EA	265.00	
376.	2920-01-073-4328 CABLE ASSEMBLY, SPECIAL PURPOSE,ELECTRICAL, BRANCHED:	EA	47,500.00	
377.	2920-00-507-7779 LEAD ASSEMBLY, ELECTRICAL:	EA	9,565.00	
378.	2590-00-499-1782 LEAD, ELECTRICAL:	EA	1,350.00	
379.	2815-00-410-1232 LEAD, ELECTRICAL:	EA	15,000.00	
380.	5305-00-253-5618 SCREW, DRIVE:	EA	35.00	
381.	5310-00-167-0816 WASHER, FLAT:	EA	15.00	
382.	9905-01-026-9951 PLATE, IDENTIFICATION:	EA	1,500.00	
383.	6645-00-420-5072 METER, TIME TOTALIZING ELECTRICAL	EA	11,300.00	

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384.	4730-00-933-3138 ADAPTER, STRAIGHT, PIPE TO TUBE:	EA	300.00	
385.	4710-00-150-6187 TUBE ASSEMBLY, METAL:	EA	2,740.00	
386.	5340-00-738-4968 CLAMP, LOOP:	EA	160.00	
387.	AE3660120E0310 HOSE ASSEMBLY	EA	6,500.00	
<b>ระบบไฟฟ้า</b>				
1.	5360-00-679-4964 SPRING, HELICAL, COMPRESSION:	EA	2,400.00	
2.	5360-00-679-4966 SPRING, HELICAL, COMPRESSION:	EA	1,000.00	
3.	3110-00-144-8518 BEARING, BALL, ANNULAR	EA	3,000.00	
4.	3120-00-510-4115 BEARING, WASHER, THRUST	EA	500.00	
5.	3120-01-013-3629 BEARING SET, SLEEVE	EA	11,000.00	
6.	2910-00-064-6262 NOZZLE, FUEL INJECTOR	EA	2,100.00	
7.	A-3002-1 FILTER ELEMENT, FLUI ELEMENT	EA	1,750.00	
8.	2910-00-801-1154 ..PARTS KIT FUEL INLET FILTER	EA	4,900.00	
9.	LE8855A ...FULCRUM LEVER	EA	9,500.00	
10.	2910-00-722- 3536 ..HEAD ASSEMBLY, FUEL	EA	125,000.00	
11.	2910-00-785-6350 ..TAPPET ASSEMBLY, FUE	EA	98,000.00	
12.	3110-00-554 5968 ..BEARING, BALL, ANNULA CAMSHAFT	EA	2,500.00	
13.	2950-00-397-3412 PARTS KIT	EA	18,000.00	
14.	2950-00-397-3363 TURBINE WHEEL ASSEMBLY	EA	95,000.00	
15.	5307-00-492-3217 STUD, PLAIN	EA	400.00	
16.	134058 RING, RETAINING	EA	500.00	
17.	157631 STUD, PLAIN	EA	320.00	
18.	4310-00-423-3892 IMPELLER, FAN AXIAL	EA	15,000.00	
19.	2920-699-6288 FAN, ELECTRICAL ROTATING EQUIPMENT	EA	60,000.00	
20.	5910-567-3285 CAPACITOR, FIXED, PAPER, DIELECTRIC	EA	50,000.00	
21.	5910-649-3166 CAPACITOR, FIXED, PAPER, DIELECTRIC	EA	30,000.00	
22.	3110-109-1180 BEARING, BALL, ANNULAR	EA	3,000.00	
23.	2920-040-0440 ARMATURE ASSEMBLY	EA	200,000.00	
24.	5340-843-8606 RING, RETAINING	EA	190.00	
25.	2920-699-6290 SHAFT ASSEMBLY, GENERATOR DRIVE	EA	30,000.00	
26.	2920-986-0251 PARTS KIT	EA	24,000.00	
27.	5330-811-4108 PACKING, PREFORMED	EA	900.00	
28.	1290-698-3713 RECEPTACLE ASSEMBLY	EA	4,900.00	
29.	5935-396-0068 GASKET	EA	105.00	
30.	5935-772-2334 SHELL	EA	8,400.00	
31.	5315-616-5519 KEY, WOODRUFF	EA	100.00	
32.	10898760 MOTOR ASSY	EA	255,000.00	
33.	5330-684-2422 PACKING, PREFORMED	EA	20.00	
34.	5977-897-7482 BRUSH, ELECTRICAL CONTACT	EA	1,100.00	

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35.	2920-00-445-0865 RELAY, ELECTROMAGNET	EA	12,000.00	
36.	5330-01-024-9686 PACKING,PREFORMED	EA	200.00	
37.	2920-00-825-4563 ARMATURE, MOTOR	EA	8,300.00	
38.	2920-01-138-7194 DRIVE, ENGINE, ELECTRICAL	EA	3,800.00	
39.	1852888 BRUSH, ELECTRICAL	EA	480.00	
40.	5310-00-297-7319 WASHER, FLAT	EA	105.00	
41.	2920-00-993-4233 WINDING, MOTOR FIELD	EA	4,800.00	

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