

Lampiran Pengumuman:	446.Peng/SCM/PLN-NPS/2024
Tanggal	:22 April 2024

BILL OF QUANTITY (BOQ)

Pengadaan Kontrak Payung Material Consumable PLTU Ropa Periode 1 Juni 2024 - 31 Mei 2025

No	ITEM BARANG/JASA	Jumlah	Satuan
1.	THINNER, A SPESIAL, 1 LITER/CAN	100	CAN
2.	RELAY, ELECTROMAGNETIC, OMRON LY4N, 220/240 VAC, 10 A, 28 VDC	40	EACH
3.	SOCKET RELAY, RELAY, ELECTROMAGNETIC, OMRON LY4, 220/240 VAC, 10 A, 28 VDC	40	EACH
4.	RELAY,ELECTROMAGNETIC, OMRON LY2N-J, 220/240 VAC, 10 A, 28 VDC	20	EACH
5.	SOCKET RELAY, RELAY,ELECTROMAGNETIC, OMRON LY2, 220/240 VAC, 10 A, 28 VDC	20	EACH
6.	LAMP, PILOT, INDICATOR LAMP, YELLOW	20	EACH
7.	LAMP, PILOT, INDICATOR LAMP, GREEN	20	EACH
8.	LAMP, PILOT, INDICATOR LAMP, RED	20	EACH
9.	LAMP, TL PHILIPS, 36 W	200	EACH
10.	ARMATURE LAMP, DUST PROOF; WATER PROOF; TL 2 X 36 W	50	EACH
11.	BALLAST,LAMP, PHILIPS, BALLAST EB-C 236 TLD, 36 W, 220 V	50	EACH
12.	PUSH BUTTON, SWITCH, DIMENSION: 22 mm SINGLE SWITCH; COLOUR: RED; SB2-ES542	15	EACH
13.	PUSH BUTTON, SWITCH, DIMENSION: 22 mm SINGLE SWITCH; COLOUR: GREEN; SB2-EA31	15	EACH
14.	PUSH BUTTON, TWIST RELEASE, RED EMERGENCY STOP, DIMENSION: 40 mm MUSHROOM HEAD; SUITS: 22 mm; CONTACT: 1NO;1NC; CURRENT RATING 10A, 600 VAC	10	EACH
15.	CARBON, BRUSH, TYPE D 172, 25x32x60 MM, GRAPHITE/RESIN BONED GRAPHITE	48	EACH
16.	CARBON, BRUSH, HOLDER SPRING GENERATOR, SHAPE; LEAF, STAINLESS STEEL	20	EACH
17.	TAPE,PIPE, 1/2; 10; PTFE; USE TO SEAL TAPE THREADED JOINTS ON METAL OR PLASTIC PIPE FITTING	150	ROLL
18.	MASK, NOSE AND MOUTH, 3 PLY NON WOVEN, ONEMED	70000	EACH
19.	GLOVES,PURPOSE,GENERAL, DOTING, COTTON	7500	PAIR
20.	RAG, WIPING, COLOUR, COTTON	1200	Kg
21.	SACK, PLASTIC, 50 KG	800	EACH
22.	CABLE,TIES , 200x 2,5 MM , WHITE	60	PACK
23.	TAPE,ELECTRICAL, HIGH VOLTAGE, RUBBER, SCOTCH 23	30	ROLL
24.	TAPE,ELECTRICAL, HEAT RESISTANT, ¾ IN, 19 MM X 20 , 1 M X 0.18 MM, SCOTCH 27	20	ROLL
25.	SANDPAPER GRINDING WHEEL, MODERN FLAP DISC, ALUMINIUM, OXIDE P80, Ø100X16 MM, MAX 15,200 RPM, MAX 80m/s	200	EACH
26.	WHEEL, ABRASIVE, POLISHING, 16 X 100 X 6 MM, 4 IN	200	EACH
27.	STEEL WIRE, BRUSH, LENGHT 27 CM, WIDE 3 CM, HIGH 3 CM, MATERIAL BAJA DAN KAYU	5	EACH
28.	WHEEL,CUTTING, CUTTING DISC; REFF : WD, T41 WA60, CUTTING FOR STAINLESS STEEL IRON & STEEL, 105X1.2X16 MM, 4" X 3/64" X 5/8", 4"	600	EACH
29.	PENETRANT, WELD NDT, SPOTCHECK, MAGNAFLUX, 400ML/CAN, SKC-S CLEANER/REMOVER	12	CAN
30.	PENETRANT, WELD NDT, SPOTCHECK, MAGNAFLUX, 400ML/CAN, SKL-SP2 PENETRANT	12	CAN
31.	PENETRANT, WELD NDT, SPOTCHECK, MAGNAFLUX, 400ML/CAN, SKD-S2 DEVELOPER	12	CAN
32.	PENETRANT, BELT DRESSING & CONDITIONER, 340 GR, PERMATE	80	CAN
33.	PENETRANT, CONTACT CLEANER, PRECISION	30	CAN
34.	PENETRANT, OIL SPRAY, RUST RELEASE, 333 ML/CAN, WD-40	150	CAN
35.	PAPER,ABRASIVE, 320	50	SHT
36.	PAPER,ABRASIVE, 1000	100	SHT
37.	PAPER,ABRASIVE, 500	150	SHT
38.	PAPER, ABRASIVE, ROLL, 120	50	m
39.	PAPER, ABRASIVE, ROLL, 150	50	m
40.	PAPER, ABRASIVE, ROLL, 180	50	m
41.	BRUSH, PAINT, 5 ", HANDLE WOOD	50	EACH
42.	BRUSH, PAINT, 1 ", HANDLE WOOD	50	EACH
43.	BRUSH, PAINT, 2 ", HANDLE WOOD	200	EACH
44.	BRUSH, PAINT, 3 ", HANDLE WOOD	100	EACH
45.	RUBBER, COUPLING, H 95	50	EACH
46.	COUPLING RUBBER, BOLT, M8, F1, 8 X 50	50	EACH
47.	COUPLING RUBBER, BOLT, M10, F2, 10 X 56	50	EACH

48.	COUPLING RUBBER, BOOSTER PUMP, IDD 200 FCL	25	EACH
49.	COUPLING RUBBER, BOLT, M24, F5, 25 X 100	25	EACH
50.	COUPLING RUBBER, BOLT, M24, F6, 28 X 116	25	EACH
51.	COUPLING, SHAFT, LK-110, RUBBER	15	EACH
52.	COUPLING RUBBER, BOLT, M20, F4, 20 X 85	50	EACH
53.	COUPLING, SHAFT, FCL 315, RUBBER	25	EACH
54.	COUPLING, SHAFT, FCL 112, RUBBER	25	EACH
55.	RUBBER, COUPLING, ROTEX GR-48	8	EACH
56.	RUBBER, COUPLING, LK-90	15	EACH
57.	COUPLING RUBBER, BOLT, M12, F3, 14 X 64	50	EACH
58.	RUBBER, COUPLING, LK-105	15	EACH
59.	CABLE,SCUN, 16 MM, TYPE Y	25	EACH
60.	CABLE,SCUN, 10 MM, TYPE Y	25	EACH
61.	CABLE,SCUN, 12 MM, TYPE RING	25	EACH
62.	CABLE,SCUN, 8 MM, TYPE Y	25	EACH
63.	CABLE,SCUN, 14 MM, TYPE Y	25	EACH
64.	CABLE,SCUN, 12 MM, TYPE Y	25	EACH
65.	CABLE,SCUN, 6 MM, TYPE Y	25	EACH
66.	CABLE,SCUN, 35	25	EACH
67.	CABLE,SCUN JOINTING 2.5 MM X 2.5 MM	25	EACH
68.	CABLE,SCUN JOINTING 1.5 MM X 1.5 MM	25	EACH
69.	CABLE,SCUN, Y 25	25	EACH
70.	CABLE,SCUN, 150	15	EACH
71.	CABLE,SCUN, 120	50	EACH
72.	CABLE,SCUN, 50	25	EACH
73.	CABLE,SCUN, 16-8	25	EACH
74.	CABLE,SCUN, 10-6	25	EACH
75.	RELAY, LY2N, 110 VAC, 10 A, 28 VDC	20	EACH
76.	RELAY, LY4N, 110 VAC, 10 A, 28 VDC	20	EACH
77.	LAMP, PILOT, AD22-221DSF, AC/DC 110V (GREEN, RED & YELLOW)	15	EACH
78.	CIRCUIT BREAKER,LEAK,ELECTRIC, MINIATURE CIRCUIT BREAKER (MCB); 220V; 6 A, 1 PHASE + N	10	EACH
79.	CIRCUIT BREAKER,LEAK,ELECTRIC, MINIATURE CIRCUIT BREAKER (MCB); 220V; 10 A, 1 PHASE + N	10	EACH
80.	CIRCUIT BREAKER,LEAK,ELECTRIC, MINIATURE CIRCUIT BREAKER (MCB),16 A, SINGLE PHASE	10	EACH
81.	CIRCUIT BREAKER,LEAK,ELECTRIC, MINIATURE CIRCUIT BREAKER (MCB),20 A, SINGLE PHASE	10	EACH
82.	CIRCUIT BREAKER,LEAK,ELECTRIC, MINIATURE CIRCUIT BREAKER (MCB); 220V; 32 A, 1 PHASE + N	10	EACH
83.	CIRCUIT BREAKER,LEAK,ELECTRIC, MCB, 10 A, 3 PHASE	10	EACH
84.	CIRCUIT BREAKER,LEAK,ELECTRIC, MCB, 16 A, 3 PHASE	10	EACH
85.	SPRAY GUN,PAINT, PYLOX, WHITE, 300CC/ CAN	20	CAN
86.	SPRAY GUN,PAINT, PYLOX, BLACK, 300CC/ CAN	20	CAN
87.	SPRAY GUN,PAINT, PYLOX, BLUE, 300CC/ CAN	20	CAN
88.	STEEL WIRE, BRUSH, LENGHT 27 CM, WIDE 3 CM, HIGH 3 CM, MATERIAL BAJA DAN KAYU	10	EACH
89.	BELT,V, SPC 5300 LW, HEIGHT: 18 MM, TOP WIDTH: 22 MM, LENGTH : 5300 MM, OPTIBELT	24	EACH
90.	BELT, V, HEIGHT: 18 MM, TOP WIDTH: 22 MM, LENGTH: 5500 MM, SPC 5500 LW, OPTIBELT	24	EACH
91.	BELT,V, SPB 2473 LW, HEIGHT: 13 MM, TOP WIDTH: 17 MM, LENGTH : 2473 MM, OPTIBELT	32	EACH
92.	BELT,V, SPC 4600 LW, HEIGHT: 18 MM, TOP WIDTH: 22 MM, LENGTH : 4600 MM, OPTIBELT	48	EACH
93.	BELT,V, A-42, HEIGHT: 5/16 ", TOP WIDTH: 1/2 ", INSIDE LENGTH: 42 " OUTSIDE LENGTH: 44, OPTIBELT "	20	EACH
94.	BELT,V, B-106, HEIGHT: 7/16, TOP WIDTH: 21/32, INSIDE LENGTH: 106" OUTSIDE LENGTH: 109", OPTIBELT	42	EACH
95.	BELT,V, B-58, HEIGHT: 7/16", TOP WIDTH: 21/32", INSIDE LENGTH: 58" OUTSIDE LENGTH: 61 IN, OPTIBELT	6	EACH
96.	BELT,V, A-45, HEIGHT 5/16 ", TOP WIDTH 1/2 ", INSIDE LENGTH 45", OUTSIDE LENGTH 47, OPTIBELT "	20	EACH
97.	ROD,WELDING, CAST IRON, CI-A1, CIN 1, 3.2 X 350 MM	40	Kg
98.	ROD,WELDING, 2,6 X 350 MM, RB-26, SMAW AWS A5.1 E6013	30	Kg
99.	ROD,WELDING, 2,6 X 350 MM, LB-52, SMAW AWS A5.1 E7016	50	Kg
100.	ROD,WELDING, 3,2 X 350 MM MM, LB-52, SMAW AWS A5.1 E7016	60	Kg
101.	ROD,WELDING, RB 26, 3.2 X 10 MM, AWS A5.1 E6013	60	Kg
102.	ROD,WELDING, NSN 308, 3.2 MM	30	Kg

103.	ROD,WELDING, ER. 805-B2, E8018-B2, GTAW/SMAW	30	Kg
104.	ROD,WELDING, TG-S50, GTAW	30	Kg
105.	ROD,WELDING, E. 7016, E7018, SMAW	30	Kg
106.	ROD,WELDING, ER. 316 L. E 316 L, GTAW/SMAW	30	Kg
107.	ROD,WELDING, E. 309-16, SMAW	30	Kg
108.	ROD,WELDING, STAINLESS STEEL, 2.4 * 1000 MM, TG-S308L, AWS A5.9 ER308L	30	Kg
109.	ROD, WELDING, STAINLESS STEEL, 2.4 * 1000 MM, TG-S309L, AWS A5.9 ER309L	30	Kg
110.	BOLT, HEXAGONAL, M12X70 MM, MAT : STAINLESS STEEL	100	EACH
111.	BOLT, HEXAGONAL, M16X35 MM, MAT : STAINLESS STEEL	50	EACH
112.	BOLT, HEXAGONAL, + NUT, RING, M10, 50 MM, STAINLESS STEEL	100	EACH
113.	BOLT, HEXAGONAL, M10, 40 MM, STAINLESS STEEL	50	EACH
114.	BOLT, STAINLESSTEEL, L, 6 X 20 MM, STAINLES STEEL	100	EACH
115.	BOLT, HEXAGONAL, M8 X 40 MM, STAINLESS STEEL	100	EACH
116.	BOLT, HEXAGONAL, M8; LENGH : 30 MM, MAT: STAINLESSTEEL	100	EACH
117.	BOLT, HEXAGONAL, M10 X 60 MM, STAINLESS STEEL	50	EACH
118.	BOLT, HEXAGONAL, + NUT, M16 X 60 MM, CARBON STEEL	50	EACH
119.	BOLT, HEXAGONAL, NUTS, M16 X 140 MM, MAT : STAINLESS STEEL	100	EACH
120.	BOLT, HEXAGONAL, M12 X 50 MM, STAINLESS STEEL	50	EACH
121.	BOLT, HEXAGONAL, + NUT, M6 X 30 MM, STAINLESS STEEL	100	EACH
122.	BOLT, HEXAGONAL, + NUT, M8 X 55 MM, STAINLESS STEEL	100	EACH
123.	BOLT, HEXAGONAL, + NUT, M12 X 40 MM, BAJA STEEL	100	EACH
124.	BOLT, HEXAGONAL, + NUT, M16 X 50 MM, BAJA STEEL	50	EACH
125.	BOLT, HEXAGONAL, + NUT, M12 X 40 MM, STAINLESS STEEL	100	EACH
126.	BOLT, HEXAGONAL, & NUT, M12 X 50 (BOLT, NUT, RING PLAT) MM, BAJA	50	EACH
127.	BOLT, HEXAGONAL, + NUT, M14 X 50 MM, BAJA STEEL	100	EACH
128.	BOLT, HEXAGONAL, + NUT, M14 X 60 MM, BAJA STEEL	50	EACH
129.	BOLT, HEXAGONAL, + NUT, M16 X 45 MM, BAJA STEEL	50	EACH
130.	BOLT, HEXAGONAL, + NUT, M12 X 60 MM, CARBON STEEL	50	EACH
131.	BOLT, HEXAGONAL, + NUT, M8 X 60 MM, STEEL/GALVANIS	50	EACH
132.	BOLT, HEXAGONAL, + NUT, M8 X 50 MM, STEEL/GALVANIS	50	EACH
133.	BOLT, HEXAGONAL, + NUT, M8 X 40 MM, CARBON STEEL	50	EACH
134.	BOLT, HEXAGONAL, M14 X 40 MM, CARBON STEEL	100	EACH
135.	BOLT, HEXAGONAL, NUT & RING, M16, 120 MM, MAT : STAINLESS STEEL 304/316	100	EACH
136.	BOLT, HEXAGONAL, M24 X 100 MM, STEEL/GALVANIS	50	EACH
137.	BOLT, HEXAGONAL, M10, 50 MM, BAJA STEEL	50	EACH
138.	BOLT, HEXAGONAL, M16, 120 MM, MAT : CARBON STEEL	50	EACH
139.	BOLT, HEXAGONAL, M6 X 20 MM, STAINLESS STEEL	100	EACH
140.	BOLT, HEXAGONAL, M6 X 80 MM, STAINLESS STEEL	100	EACH
141.	BOLT, HEXAGONAL, M12 X 10 MM, STAINLESS STEEL	100	EACH
142.	BOLT, HEXAGONAL, M8 X 45 MM, STAINLESS STEEL	100	EACH
143.	BOLT, HEXAGONAL, + NUT, RING, M24 X 70 MM, CARBON STEEL	50	EACH
144.	BOLT, HEXAGONAL, M16 x 50, STAINLESS STEEL	50	EACH
145.	BOLT, RUBBER KOPLING, M12 x 65, ID RUBBER: 17 mm, OD RUBBER: 29,5 x 18 mm	50	EACH
146.	BOLT, HEXAGONAL, NUTS, M12 X 70 MM, CARBON STEEL	50	EACH
147.	BOLT, HEXAGONAL, M8 X 50 MM, STAINLESS STEEL	50	EACH
148.	BOLT, HEXAGONAL, M16X40 MM, MAT : STAINLESS STEEL	50	EACH
149.	BOLT, HEXAGONAL, M16X35 MM, MAT : BAJA STEEL	50	EACH
150.	BOLT, + NUT, RING M16 x 20, STAINLESS STEEL 304	100	EACH
151.	BOLT, HEXAGONAL, + NUT, M12 X 80 MM, STAINLESS STEEL	100	EACH
152.	BOLT, HEAD SCREW, + NUT, M4 X 12 MM, STAINLESS STEEL	100	EACH
153.	BOLT, HEAD SCREW, + NUT, M5 X 60 MM, STAINLESS STEEL	100	EACH
154.	U BOLT, 3"	100	EACH
155.	BOLT, L, FULL DRAT, 10X 50 MM, BAJA STEEL	100	EACH
156.	U BOLT, 1½"	50	EACH
157.	U BOLT, 1"	50	EACH
158.	BOLT, L, FULL DRAT, 8 X 50 MM, BAJA STEEL	100	EACH
159.	U BOLT, 2"	100	EACH

160.	U BOLT, ½"	50	EACH
161.	BOLT, HEXAGONAL, + NUT, M16 x 40, STAINLESS STEEL	100	EACH
162.	U BOLT, 2½"	50	EACH
163.	U BOLT, ¾"	50	EACH
164.	BOLT, L, FULL DRAT, 12 X 60 MM, BAJA STEEL	100	EACH
165.	BOLT, HEXAGONAL, NUTS, M10 X 70 MM, BAJA STEEL	50	EACH
166.	BOLT, HEXAGONAL, + WASHER & NUT, M16 X 70 MM, SUS 304	100	EACH
167.	BOLT, HEX HEAD, M30 X 230 MM, STAINLESS STEEL, FULL THREAD, INCLUDE NUT	40	EACH
168.	BOLT, SOCK HEAD,, M8 X 40 MM, IINCLUDE WASHER, SPRING	50	EACH
169.	BOLT, HEX HEAD, M22 X 120 MM, STAINLESS STEEL, FULL THREAD, INCLUDE NUT	40	EACH
170.	BOLT, SOCK HEAD,, M12 X 54 MM, IINCLUDE WASHER, SPRING	100	EACH
171.	BOLT, SOCK HEAD,, M16 X 35 MM, BAUT L, FOR SPREADER	100	EACH
172.	BOLT, SOCK HEAD,, M12 X 36 MM, IINCLUDE WASHER, SPRING	100	EACH
173.	BOLT, HEXAGONAL, M12 X 40 MM, FULL DRAT + MUR + RING PLAT, ID FAN	50	EACH
174.	BOLT LONG DARAT, SS, M10 x 250 MM + NUT	50	EACH
175.	BOLT, STAINLESS STEEL, M12 X 58 MM	50	EACH
176.	BOLT, HEXAGONAL, + NUT, M24 X 160 MM, CARBON STEEL	20	EACH
177.	BOLT, HEXAGONAL, + NUT, M20 X 160 MM, CARBON STEEL	50	EACH
178.	PACKING STICK, GLAND, 3 MM, UNISTAT 6303, PURE GRAPHITE WIRE	2	ROLL
179.	PACKING STICK, GLAND, 10 MM, PTFE (PURE TEFLON)	1.5	ROLL
180.	PACKING STICK, GLAND, 8 MM, GRAPHITE, MERKEL UNISTAT 6303 PTFE	2.5	ROLL
181.	PACKING STICK, GLAND, 10 MM, GRAPHITE, MERKEL UNISTAT 6303 PTFE	3	ROLL
182.	PACKING STICK, GLAND, 4 MM, UNISTAT 6303, PURE GRAPHITE WIRE	3	ROLL
183.	PACKING STICK, GLAND, 12 MM, ASBESTOS	10	ROLL
184.	PACKING STICK, GLAND, 12 MM, PTFE (PURE TEFLON) MM	2.5	ROLL
185.	PACKING STICK, GLAND, 10 MM, ASBESTOS	2.5	ROLL
186.	PACKING STICK, GLAND, PURE GRAPHITE WIRE, 8 MM	1.5	ROLL
187.	PACKING STICK, GLAND, PURE GRAPHITE WIRE, 10 MM	1.5	ROLL
188.	PAINT, GARDEX PREMIUM GLOSS, WHITE, 0,9 LITER	20	CAN
189.	PAINT, GARDEX PREMIUM GLOSS, RED, KODE WARNA 3000, 0.9 LITER	40	CAN
190.	PAINT, GARDEX PREMIUM GLOSS, JOTUN, GREEN, SIGNAL GREEN 7075(RAL 6032) 0,9 LITER	20	CAN
191.	PAINT, GARDEX PREMIUM GLOSS, BLUE, JOTUN RAL 5017 TRAFFIC BLUE, 0,9 LITER	20	CAN
192.	PAINT, GARDEX PREMIUM GLOSS 149, GREY, 0.9	20	CAN
193.	PAINT, GARDEX PREMIUM GLOSS, BLACK; 363, 0,9 LITER	20	CAN
194.	PAINT, GARDEX PREMIUM GLOSS, JOTUN; YELLOW, 0,9 LITER	20	CAN
195.	PAINT, RUST BULLET COATING, ANTI KARAT, 0.9 L	40	CAN
196.	PORTABLE GAS CYLINDER, HI-COOK, 230 GR-GC 020	20	CAN
197.	RUBBER PACKING, 5 MM, DENSITY 1200	10	SHT
198.	RUBBER PACKING, 3 MM, DENSITY 1200	10	SHT
199.	GASKET,PURPOSE,GENERAL, 0.5 MM, TBA FIREFLY	10	SHT
200.	GASKET,PURPOSE,GENERAL, 1 MM, TBA FIREFLY	10	SHT
201.	GASKET,PURPOSE,GENERAL, 0.8 MM, TBA FIREFLY	10	SHT
202.	PACKING TOMBO, 1303, 2 MM	6	SHT
203.	PACKING TOMBO, 1303, 1 MM	6	SHT
204.	PACKING TOMBO, 1303, 5 MM	10	SHT
205.	PACKING TOMBO, 1303, 3 MM	10	SHT
206.	ADHESIVE, AICA AIBON, 1 KG, NETTO 700 GR	10	CAN
207.	ADHESIVE, PIPE PVC, 500 ML/CAN	20	CAN
208.	ADHESIVE, RETAINING COMPOUND, 50 ML	10	CAN
209.	ADHESIVE, THREADLOCKER, 50 ML/EA	10	CAN
210.	ADHESIVE, CYANOACRYLATE, W-20, 50 G	50	CAN
211.	ADHESIVE, EPOXY HARDENER, 48 G, FOR METAL STEEL	20	CAN
212.	ADHESIVE, RUBBER CEMENT, 0.7 L/CAN, FOR CONVEYOR	15	CAN
213.	SEALING COMPOUND, RED SILICONE, 85 G/EA, GASKET, HIGH TEMPERATURE	50	EACH
214.	TAPE,PIPE, APLICATION FOR : PVC; FIBERGLASS; ALL METAL PIPES;, FIBERGLASS COATED POLYURETHANE, ATMOS BANDAGE	20	EACH

215.	FASTENER,KIT,CLAMP,FLEXCO CONVEYOR BELT FASTENERS; PLATE FASTENERS STEEL, 190C; ITEM CODE: 20013; FLEXCO-LOK BELT TAPE	15	PACK
216.	FLEXCO QUICK-FIT, 140E	30	PACK
217.	ACCU, WATER, 1000 ML/BOTTLE	50	CAN
218.	CLAMP, ACCU CLAMP, N120, BRASS	20	EACH
219.	CLAMP, HOSE, 2 "	20	EACH
220.	CLAMP, HOSE, 1 IN	20	EACH
221.	CLAMP, HOSE, 1/2 IN	20	EACH
222.	CLAMP, HOSE, 3/8 IN	20	EACH
223.	NIPPLE, NIPPLE GREASE, 12 MM	20	EACH
224.	NIPPLE, NIPPLE GREASE, 8 MM	20	EACH
225.	NIPPLE, NIPPLE GREASE, 10 MM	20	EACH
226.	NIPPLE, NIPPLE GREASE, 6 MM	20	EACH
227.	SEAL; RUBBER, VITTON, 4 MM	10	EACH
228.	FAN, ID1 20 (UTUH), ID2 18 (DIAMETER SHAFT DIKURANGI SPI) MM, OD1 15 (TOTAL), OD2 98 (TANPA KIPAS) MM, PLASTIC; FAN SCREW FEEDER DAN SPREADER	12	EACH
229.	FAN, MOTOR TEFLON, DIAMETER SHAFT 75 MM, DIAMETER FAN 335 MM	10	EACH
230.	RESIN, UNSATURATED POLYESTER, BOILING POINT RANGE 145-148 DEG C, FREEZING POINT -30.6 DEG C, DENSITY 1.11-1.23 GCM3, APPEARANCE PALE YELLOW, PURPLE PINK, WHITE OR BLUE, ETERSET 2597 PT-5, 1 KG	25	EACH
231.	FAN, MOTOR, 90-4.6, 24 MM DIA SHAFT, DIA FAN 106 MM, DIA BLADE 150 MM, BLADE IN 6 PARTS	12	EACH
232.	TAPE,ELECTRICAL, UNIBELL GENERAL, BLACK, 20 M, 0.13 MM X 16 MM X 20 M	30	EACH
233.	POLYURETHANE, PLUG UNTUK TUBING CONDENSOR, 17 (OD1) X 23 (OD2) X 55 (LENGHT) MM	150	EACH
234.	FIBER, SHEET, SERAT, AQUAPROF FIBERGLASS MATT CM	3	ROLL
235.	ADHESIVE, EPOXY HARDENER, NON SAG, WOOD,STEEL, 800 GRAM/CAN	10	CAN