

ภาคผนวก

ก. ตารางแสดงการจัดแบ่งกลุ่มสินค้าคงคลังตามลำดับความสำคัญ						
รายการ	% Annual Expenditure	% Annual Profit	% Return on cost	% Weighted สะสม	% จำนวนสะสม	กลุ่ม
1RRQW09	6.1402	6.4701	1.1857	4.6537	0.712	A
2RRV32R	5.5435	5.8413	1.0064	8.8337	1.316	A
3RRVW04	3.0382	3.2014	2.2059	11.6761	2.641	A
4RRV180	3.6275	3.8224	0.8962	14.4906	3.179	A
5RRVD2R	3.3374	3.5167	0.8410	17.0855	3.684	A
6RRQWOR	3.2619	3.4371	0.7996	19.6143	4.164	A
7RRVD1R	2.4420	2.5732	2.0129	21.9789	5.373	A
8RRVD1R	2.8261	2.9780	0.9375	24.2514	5.936	A
9RRQW09	2.8575	3.0110	0.6618	26.4537	6.333	A
10RRQ20S	2.6028	2.7426	0.6480	28.4748	6.722	A
11RRVD23	2.4426	2.5738	0.5928	30.3664	7.078	A
12RRA520	2.3841	2.5122	0.6480	32.2359	7.467	A
13RRVD30	2.2628	2.3844	0.5515	33.9890	7.798	A
14RRVW0C	2.2243	2.3438	0.4963	35.6971	8.096	A
15RMVD65	2.2134	2.3324	0.4274	37.3747	8.353	A
16RRVD2R	2.2018	2.3201	0.3033	39.0028	8.535	A

17RRVD30	2.0788	2.1905	0.4825	40.6054	8.825	A
18RRVW04	2.0773	2.1889	0.3447	42.1609	9.032	A
19RRV183	1.7663	1.8612	0.9237	43.6938	9.586	A
20RRVD3R	1.9775	2.0837	0.2757	45.1572	9.752	A
21RRA52H	1.7744	1.8697	0.6618	46.6084	10.149	A
22RRVD3R	1.7804	1.8760	0.6204	48.0499	10.522	A
23RRQ304	1.6822	1.7725	0.7721	49.4739	10.985	A
24RSY04R	1.7096	1.8015	0.4274	50.8021	11.242	A
25RRQW09	1.7080	1.7998	0.4136	52.1245	11.490	A
26RRQ306	1.7055	1.7972	0.3860	53.4360	11.722	A
27RRVD1R	1.5839	1.6690	0.4963	54.7000	12.020	A
28RRVD3R	1.6668	1.7563	0.2757	55.9479	12.186	A
29RRQ046	1.5403	1.6231	0.2895	57.1126	12.359	A
30RRVW04	0.3671	0.3869	2.7160	58.2726	13.990	A
31RRVD2R	0.3066	0.3231	2.7850	59.4135	15.662	A
32RRQWOR	1.4151	1.4912	0.3447	60.5099	15.869	A
33RRVD2R	1.4019	1.4772	0.3447	61.5970	16.076	A
34RRQ30S	1.3651	1.4385	0.3309	62.6541	16.275	A
35RRVD3R	1.0738	1.1314	0.4550	63.5504	16.548	A

36RRVD2R	1.2054	1.2702	0.1654	64.4416	16.647	A
37RRVW0L	1.1083	1.1678	0.3447	65.3251	16.854	A
38RRV52R	0.9006	0.9490	0.7307	66.1932	17.293	A
39RRVW0C	0.9346	0.9849	0.5791	67.0345	17.641	A
40RRQW00	0.8079	0.8513	0.4963	67.7602	17.939	A
41RRVD2R	0.9114	0.9603	0.2757	68.4842	18.104	A
42RMVH60	0.9272	0.9771	0.1654	69.1824	18.204	A
43RRQ30A	0.9251	0.9748	0.1654	69.8792	18.303	A
44RRV18B	0.8133	0.8570	0.3722	70.5673	18.527	A
45RRH80C	0.5792	0.6103	0.6480	71.1850	18.916	A
46RRV183	0.5626	0.5928	0.6342	71.7865	19.296	A
47RRVD30	0.4796	0.5053	0.7583	72.3719	19.752	A
48RMVD65	0.5405	0.5695	0.5928	72.9444	20.108	A
49RSY101	0.7196	0.7583	0.1379	73.4894	20.190	A
50RRI301	0.0158	0.0083	1.0340	73.8409	21.432	A
51RRVD39	0.0549	0.0289	0.9651	74.1862	22.591	A
52RRA52H	0.0145	0.0076	0.9030	74.4934	23.676	A
53RRA520	0.0807	0.0425	0.7859	74.7901	24.619	A
54RSY031	0.0914	0.0482	0.7721	75.0868	25.546	A

55RMVE60	0.0670	0.0353	0.7996	75.3821	26.507	B
56RSY031	0.0921	0.0485	0.7652	75.6768	27.426	B
57RRV183	0.0561	0.0296	0.7927	75.9652	28.378	B
58RRQWOR	0.1626	0.0857	0.6480	76.2511	29.156	B
59RRV188	0.0563	0.0297	0.7790	76.5350	30.091	B
60RRI301	0.0075	0.0040	0.8272	76.8140	31.085	B
61RRV18D	0.1865	0.0983	0.5859	77.0895	31.788	B
62RRA52H	0.1467	0.0773	0.6342	77.3640	32.550	B
63RRQ306	0.0183	0.0097	0.7927	77.6362	33.502	B
64RRVD30	0.0225	0.0119	0.7859	77.9078	34.445	B
65RRVD30	0.0154	0.0081	0.7927	78.1786	35.397	B
66RRV183	0.1714	0.0903	0.5859	78.4477	36.101	B
67RRV109	0.1628	0.0858	0.5928	78.7153	36.813	B
68RMVH45	0.0093	0.0049	0.7721	78.9767	37.740	B
69RRVW0R	0.0079	0.0042	0.7652	79.2351	38.659	B
70RRVD2R	0.0279	0.0147	0.7307	79.4907	39.537	B
71RSY031	0.0696	0.0367	0.6756	79.7458	40.348	B
72RRA520	0.1885	0.0993	0.5101	79.9969	40.960	B
73RRV18D	0.0111	0.0058	0.7376	80.2475	41.846	B

74RMVH60	0.0792	0.0417	0.6480	80.4976	42.624	B
75RRB000	0.2739	0.1443	0.3860	80.7441	43.088	B
76RRQW0T	0.1402	0.0739	0.5515	80.9882	43.750	B
77RSY031	0.1367	0.0720	0.5515	81.2309	44.412	B
78RRVD3R	0.1099	0.0579	0.5859	81.4734	45.116	B
79RRVW0G	0.0600	0.0316	0.6480	81.7152	45.894	B
80RRQ306	0.0163	0.0086	0.7031	81.9566	46.738	B
81RRVB3Z	0.0094	0.0050	0.7100	82.1973	47.591	B
82RRVH13	0.4083	0.2151	0.1930	82.4373	47.823	B
83RRVW0R	0.1195	0.0629	0.5653	82.6771	48.502	B
84RRV18Z	0.1346	0.0709	0.5446	82.9165	49.156	B
85RRQ30A	0.5381	0.2835	0.0172	83.1537	49.280	B
86RSY021	0.0853	0.0450	0.5997	83.3903	50.000	B
87RRA52H	0.0927	0.0488	0.5859	83.6255	50.704	B
88RRVW0R	0.1006	0.0530	0.5722	83.8595	51.391	B
89RRQ30R	0.0189	0.0100	0.6756	84.0929	52.202	B
90RRQW0R	0.0522	0.0275	0.5928	84.3129	52.914	B
91RSY041	0.0506	0.0266	0.5928	84.5323	53.626	B
92RRQ86R	0.0407	0.0215	0.5997	84.7497	54.346	B

93RMVD65	0.0771	0.0406	0.5515	84.9667	55.008	B
94RRVW01	0.0283	0.0149	0.5859	85.1742	55.712	B
95RRQ30A	0.0438	0.0231	0.5653	85.3815	56.391	B
96RSY0416	0.0635	0.0335	0.5377	85.5880	57.037	B
97RIGWOR	0.1662	0.0876	0.3998	85.7928	57.517	B
98RRV32R	0.1371	0.0722	0.4343	85.9965	58.038	B
99RRQW0R	0.0136	0.0072	0.5928	86.2000	58.750	B
100RSY041	0.1074	0.0566	0.4688	86.4024	59.313	B
101RRQ30A	0.0142	0.0075	0.5791	86.6015	60.008	B
102RRVW01	0.0671	0.0354	0.5101	86.8004	60.621	B
103RRA52H	0.0603	0.0318	0.5170	86.9987	61.242	B
104RSY031	0.0379	0.0200	0.5446	87.1965	61.896	B
105RRQ20R	0.0100	0.0053	0.5791	87.3939	62.591	B
106RRA52H	0.1129	0.0595	0.4412	87.5895	63.121	B
107RSY041	0.1042	0.0549	0.4481	87.7837	63.659	B
108RMVD65	0.3531	0.1860	0.1241	87.9769	63.808	B
109RSY041	0.0962	0.0507	0.4550	88.1699	64.354	B
110RRV180	0.0370	0.0195	0.5308	88.3628	64.992	B
111RRVD2R	0.0019	0.0010	0.5722	88.5543	65.679	B

112RRG024	0.3003	0.1582	0.1861	88.7455	65.902	B
113RRQW04	0.0385	0.0203	0.5239	88.9367	66.532	B
114RBB000	0.0378	0.0199	0.5170	89.1253	67.152	B
115RRQW0R	0.0354	0.0187	0.5170	89.3129	67.773	B
116RRVDZR	0.0821	0.0432	0.4481	89.4975	68.311	B
117RRV18D	0.0212	0.0112	0.5170	89.6790	68.932	B
118RRVD1R	0.0144	0.0076	0.5239	89.8598	69.561	B
119RRVD30	0.1527	0.0805	0.3447	90.0404	69.975	B
120RRV53D	0.0183	0.0096	0.5170	90.2206	70.596	C
121RRV18R	0.1293	0.0681	0.3722	90.4003	71.043	C
122RRVW00	0.0542	0.0286	0.4688	90.5799	71.606	C
123RRVD2R	0.1073	0.0565	0.3998	90.7593	72.086	C
124RRQ040	0.2559	0.1348	0.2068	90.9383	72.335	C
125RRVD30	0.0705	0.0372	0.4412	91.1157	72.864	C
126RRA52R	0.0064	0.0034	0.5239	91.2930	73.493	C
127RRVD3R	0.0635	0.0334	0.4412	91.4674	74.023	C
128RRVD2R	0.0292	0.0154	0.4825	91.6408	74.603	C
129RRV18D	0.0494	0.0260	0.4481	91.8114	75.141	C
130RRVW04	0.1316	0.0693	0.3378	91.9806	75.546	C

131RRVD1R	0.0256	0.0135	0.4688	92.1478	76.109	C
132RRVW04	0.0304	0.0160	0.4619	92.3149	76.664	C
133RRI130	0.0382	0.0201	0.4481	92.4807	77.202	C
134RRV52R	0.0108	0.0057	0.4825	92.6462	77.782	C
135RRVD2R	0.1329	0.0700	0.3171	92.8090	78.162	C
136RRVD31	0.0757	0.0399	0.3860	92.9703	78.626	C
137RRVD1R	0.0799	0.0421	0.3791	93.1310	79.081	C
138RRVD39	0.0121	0.0064	0.4619	93.2902	79.636	C
139RRV180	0.0247	0.0130	0.4343	93.4456	80.157	C
140RRP115	0.0797	0.0420	0.3585	93.5994	80.588	C
141RRVD2R	0.1313	0.0692	0.2895	93.7523	80.936	C
142RRVD2R	0.0649	0.0342	0.3722	93.9043	81.383	C
143RRVD2R	0.0713	0.0376	0.3585	94.0545	81.813	C
144RRQW00	0.0417	0.0220	0.3860	94.2011	82.277	C
145RRVD25	0.1196	0.0630	0.2757	94.3444	82.608	C
146RRVD3R	0.0419	0.0221	0.3722	94.4865	83.055	C
147RRQ309	0.0194	0.0102	0.3998	94.6282	83.535	C
148RRQ00P	0.0489	0.0258	0.3585	94.7687	83.965	C
149RRB000	0.1750	0.0922	0.1930	94.9082	84.197	C

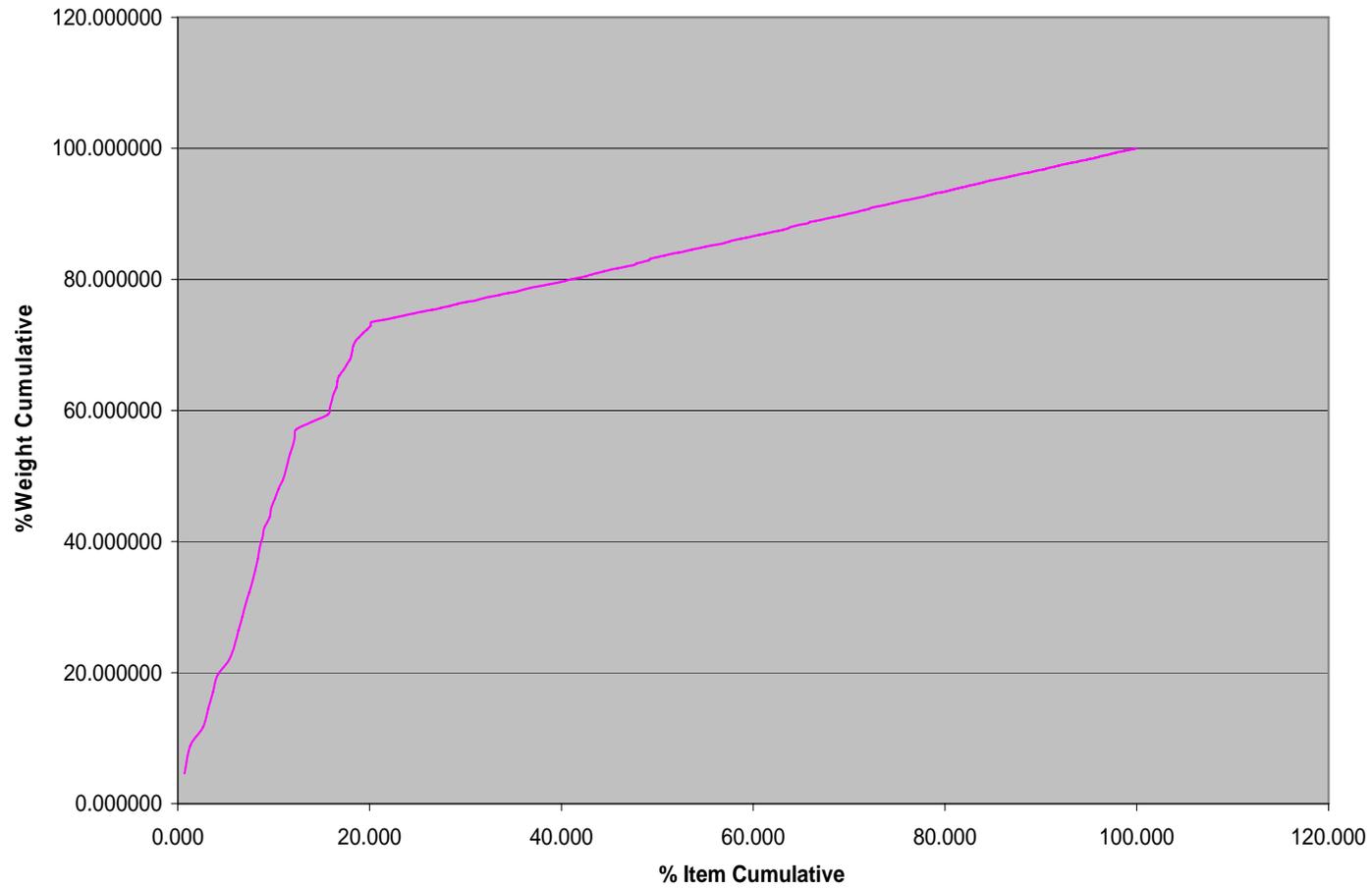
150RRQ306	0.0274	0.0145	0.3791	95.0464	84.652	C
151RRVD30	0.0106	0.0056	0.3998	95.1843	85.133	C
152RRV180	0.0372	0.0196	0.3447	95.3152	85.546	C
153RRQW00	0.0102	0.0054	0.3791	95.4459	86.002	C
154RRQW0R	0.0251	0.0132	0.3516	95.5739	86.424	C
155RRV196	0.0595	0.0313	0.3033	95.7006	86.788	C
156RRVW01	0.0313	0.0165	0.3378	95.8266	87.194	C
157RRV32R	0.0286	0.0151	0.3309	95.9492	87.591	C
158RRV18B	0.0604	0.0318	0.2895	96.0717	87.939	C
159RRV53R	0.0154	0.0081	0.3447	96.1932	88.353	C
160RRVH13	0.0554	0.0292	0.2895	96.3136	88.700	C
161RRQ20R	0.0330	0.0174	0.3171	96.4335	89.081	C
162RRVD34	0.0081	0.0043	0.3447	96.5518	89.495	C
163RRG02V	0.0557	0.0293	0.2826	96.6700	89.835	C
164RRVW0R	0.0048	0.0025	0.3447	96.7869	90.248	C
165RRV18D	0.0790	0.0416	0.2482	96.9036	90.546	C
166RRVI2Z	0.0674	0.0355	0.2482	97.0154	90.844	C
167RRV535	0.1010	0.0532	0.1999	97.1254	91.085	C
168RRVD2R	0.0040	0.0021	0.3240	97.2352	91.474	C

169RRVD3R	0.0093	0.0049	0.3171	97.3449	91.854	C
170RRV18Z	0.1093	0.0576	0.1792	97.4517	92.070	C
171RRV180	0.0064	0.0033	0.3102	97.5578	92.442	C
172RRQ3OA	0.0245	0.0129	0.2826	97.6625	92.782	C
173RRQWOR	0.0017	0.0009	0.3102	97.7667	93.154	C
174RRB000	0.0377	0.0199	0.2620	97.8702	93.469	C
175RRV32R	0.0038	0.0020	0.3033	97.9730	93.833	C
176RRV5Z2	0.0476	0.0251	0.2413	98.0739	94.123	C
177RRVW04	0.0082	0.0043	0.2826	98.1716	94.462	C
178RRVD2R	0.0187	0.0099	0.2688	98.2693	94.785	C
179RRVW0L	0.0062	0.0033	0.2826	98.3661	95.124	C
180RRVE60	0.0051	0.0027	0.2757	98.4603	95.455	C
181RMV08R	0.0868	0.0458	0.1654	98.5528	95.654	C
182RRBW01	0.0425	0.0224	0.2206	98.6446	95.919	C
183RRV185	0.1054	0.0555	0.1379	98.7358	96.085	C
184RRQW00	0.0830	0.0437	0.1517	98.8221	96.267	C
185RRV109	0.0072	0.0038	0.2482	98.9079	96.565	C
186RRVW04	0.0073	0.0039	0.2413	98.9914	96.854	C
187RRQ199	0.0355	0.0187	0.1999	99.0734	97.094	C

188RRVD3R	0.0513	0.0270	0.1792	99.1552	97.310	C
189RSY041	0.0378	0.0199	0.1930	99.2358	97.541	C
190RRVD2R	0.0256	0.0135	0.2068	99.3157	97.790	C
191RRV535	0.0769	0.0405	0.1379	99.3948	97.955	C
192RRV180	0.0181	0.0095	0.2068	99.4715	98.204	C
193RSY081	0.0064	0.0034	0.2206	99.5478	98.469	C
194RRV53R	0.0098	0.0052	0.2068	99.6209	98.717	C
195RRVD3R	0.0121	0.0064	0.1930	99.6905	98.949	C
196RSY081	0.0058	0.0030	0.1999	99.7596	99.189	C
197RRVD3R	0.0081	0.0043	0.1930	99.8274	99.421	C
198RRVD30	0.0067	0.0035	0.1792	99.8900	99.636	C
199RRVD2R	0.0050	0.0026	0.1723	99.9496	99.843	C
200RRVE60	0.0156	0.0082	0.1310	100.0000	100.000	C

ข. กราฟแสดงการแบ่งกลุ่มสินค้าคงคลังตามลำดับความสำคัญ

กราฟแสดงการแบ่งประเภทสินค้าคงคลัง



ค. ตารางแสดงการคำนวณหาต้นทุนรวมและปริมาณการสั่งซื้ออย่างประหยัด (EOQ Model)							
ลำดับที่	รายการ	ปริมาณสินค้า	ราคาต่อหน่วย	EOQ	TC ใหม่	TC เก่า	ROP
1	1RRQW09	100	143,288	1	30280.31	77241.54	21
2	2RRV32R	78	152,400	1	27824.40	81339.00	16
3	3RRVW04	148	38,108	3	19454.53	41759.28	31
4	4RRV180	80	112,000	1	23952.00	60432.00	17
5	5RRVD2R	90	109,800	2	29681.10	59602.50	19
6	6RRQWOR	52	112,866	1	19715.59	60107.45	11
7	7RRVD1R	120	33,568	3	16602.74	36596.47	25
8	8RRVD1R	69	83,408	2	22595.71	45326.64	14
9	9RRQW09	65	119,472	1	22407.85	63835.26	14
10	10RRQ20S	64	111,138	1	21390.78	59522.42	13
11	11RRVD23W	41	114,000	1	18133.50	60385.50	9
12	12RRA520	53	101,800	1	18724.80	54381.00	11
13	13RRVD30	43	113,532	1	18394.02	60143.10	9
14	14RRVW0C	48	124,000	1	20250.00	53190.00	10
15	15RMVD65	60	143,295	1	24101.05	34297.11	13
16	16RRVD2R	31	200,850	1	25577.48	25577.48	6
17	17RRVD30	46	119,200	1	19444.20	28227.90	10

18	18RRVW04	23	166,756	1	20812.75	36372.49	5
19	19RRV183	67	52,908	2	16127.71	29542.89	14
20	20RRVD3R	44	198,430	1	27335.51	27335.51	9
21	21RRA52H	55	74,189	2	19605.79	40092.10	11
22	22RRVD3R	35	79,400	1	13625.40	42171.00	7
23	23RRQ304	40	60,284	1	12419.44	32433.18	8
24	24RSY04R	36	110,680	1	17017.38	25691.76	8
25	25RRQW09	63	114,260	1	21559.37	28595.74	13
26	26RRQ306	25	122,242	1	16514.59	27312.68	5
27	27RRVD1R	48	88,300	1	16555.02	21986.05	10
28	28RRVD3R	21	167,253	1	20555.14	36320.77	4
29	29RRQ046	19	147,200	1	18170.70	32015.40	4
30	30RRVW04	166	3,740	9	6333.48	7505.85	35
31	31RRVD2R	174	3,046	10	5841.28	6583.47	36
32	32RRQWOR	39	113,600	1	17783.10	26605.20	8
33	33RRVD2R	41	112,540	1	17982.39	26540.28	9
34	34RRQ30S	34	114,154	1	17067.94	26256.38	7
35	35RRVD3R	53	65,300	2	17611.35	23056.65	11
36	36RRVD2R	36	201,594	1	26426.98	26426.98	8

37	37RRVW0L	21	88,966	1	12452.48	20115.46	4
38	38RRV52R	45	34,102	2	10535.37	12906.17	9
39	39RRVW0C	58	44,660	2	13725.20	16957.05	12
40	40RRQW00	37	45,040	2	12181.53	15993.42	8
41	41RRVD2R	22	91,450	1	12864.03	20629.57	5
42	42RMVH60	12	155,074	1	17904.16	33027.32	3
43	43RRQ30A	13	154,721	1	18022.12	33108.73	3
44	44RRV18B	32	60,449	1	11200.52	14985.04	7
45	45RRH80C	56	24,732	2	9445.52	10614.79	12
46	46RRV183	48	24,544	2	8788.61	10092.91	10
47	47RRVD30	46	17,499	2	7175.89	10600.97	10
48	48RMVD65	47	25,226	2	8852.61	14599.66	10
49	49RSY101	19	144,414	1	17882.35	17882.35	4
50	50RRI301	135	37,092	3	18469.66	40553.53	28
51	51RRVD39	140	1,377	13	3516.47	3682.64	29
52	52RRA52H	105	38,799	3	17454.56	41856.36	22
53	53RRA520	103	2,487	8	4048.34	6074.89	21
54	54RSY031	103	2,866	8	4362.07	6859.21	21

จ. ตารางแสดงการคำนวณหาต้นทุนรวมและการสั่งซื้อด้วยวิธี Newsboy Model																			
รายการ	ปริมาณความต้องการใช้ (หน่วย)												รวม (หน่วย)	เฉลี่ย (หน่วย)	ค่าความ แปรปรวน	ค่าเบี่ยงเบน มาตรฐาน	ค่า Q	Total Cost	ROP
	ม.ค.	ก.พ.	มี.ค.	เม.ย.	พ.ค.	มิ.ย.	ก.ค.	ส.ค.	ก.ย.	ต.ค.	พ.ย.	ธ.ค.							
1RRQW09	9	9	9	10	9	9	8	8	8	7	7	7	100	8.333	0.107	0.327	9	256105	19
2RRV32R	7	7	7	8	8	8	6	6	6	5	5	5	78	6.500	0.192	0.439	7	203526	20
3RRVW04	13	13	12	12	12	12	12	13	13	12	12	12	148	12.333	0.018	0.134	13	100927	17
4RRV180	8	8	8	7	7	7	6	6	6	6	5	6	80	6.667	0.133	0.365	7	164683	18
5RRVD2R	8	8	8	8	9	9	8	7	7	6	6	6	90	7.500	0.144	0.380	8	180325	19
6RRQWOR	5	5	5	5	4	4	4	5	5	4	3	3	52	4.333	0.128	0.358	5	10321	16
7RRVD1R	10	11	11	9	9	8	9	10	10	11	11	11	120	10.000	0.100	0.316	11	7399	20
8RRVD1R	7	7	7	6	5	5	6	6	5	5	5	5	69	5.750	0.120	0.346	6	9753	17
9RRQW09	6	6	5	5	5	4	4	5	6	6	6	7	65	5.417	0.137	0.370	6	12701	17
10RRQ20S	7	7	6	6	6	5	5	5	5	4	4	4	64	5.333	0.198	0.445	6	12000	19
11RRVD23W	4	4	4	3	4	4	3	3	3	3	3	3	41	3.417	0.071	0.267	4	8666	12
12RRA520	5	5	4	4	3	3	4	4	5	5	5	6	53	4.417	0.168	0.410	5	9623	17
13RRVD30	4	4	4	3	3	4	4	4	4	3	3	3	43	3.583	0.068	0.260	4	9447	12
14RRVW0C	5	5	6	5	4	4	4	3	3	3	3	3	48	4.000	0.250	0.500	5	11173	20
15RMVD65	5	5	6	6	5	5	5	4	5	4	5	5	60	5.000	0.067	0.258	5	14811	13
16RRVD2R	4	4	3	3	3	2	2	2	2	2	2	2	31	2.583	0.223	0.472	3	12020	17

17RRVD30	5	5	5	4	4	4	4	3	3	3	3	3	46	3.833	0.167	0.408	5	10807	17
18RRVW04	2	2	1	1	2	2	3	3	2	2	2	1	23	1.917	0.214	0.462	3	8493	16
19RRV183	6	6	6	5	5	6	5	5	5	6	6	6	67	5.583	0.044	0.209	6	7146	12
20RRVD3R	5	5	4	4	4	4	3	4	3	3	3	2	44	3.667	0.197	0.444	4	15035	18
21RRA52H	6	6	6	5	5	4	4	5	4	4	3	3	55	4.583	0.235	0.485	5	7798	20
22RRVD3R	4	4	4	3	3	3	3	3	2	2	2	2	35	2.917	0.198	0.445	4	6551	17
23RRQ304	4	4	4	4	4	3	3	3	2	3	3	3	40	3.333	0.117	0.342	4	5385	14
24RSY04R	4	4	3	3	3	2	2	3	3	3	3	3	36	3.000	0.111	0.333	4	8465	13
25RRQW09	7	7	6	6	7	5	5	4	4	4	4	4	63	5.250	0.290	0.538	6	12412	22
26RRQ306	3	3	2	2	3	3	2	2	2	1	1	1	25	2.083	0.277	0.526	3	6555	19
27RRVD1R	5	5	4	4	5	4	4	4	3	3	3	4	48	4.000	0.125	0.354	5	8446	15
28RRVD3R	2	2	2	1	1	2	2	2	2	1	2	2	21	1.750	0.107	0.327	2	7552	12
29RRQ046	2	2	2	3	2	2	1	1	1	1	1	1	19	1.583	0.259	0.509	2	6497	18
30RRVW04	15	15	16	16	15	14	14	13	12	12	12	12	166	13.833	0.167	0.408	15	2784	27
31RRVD2R	15	15	15	16	16	15	14	14	14	14	13	13	174	14.500	0.063	0.251	15	2619	22
32RRQWOR	3	3	4	5	4	3	4	3	3	2	2	3	39	3.250	0.212	0.460	4	8656	18
33RRVD2R	4	4	5	5	4	4	3	3	3	2	2	2	41	3.417	0.315	0.561	4	9168	21
34RRQ30S	4	4	3	3	3	2	2	3	3	3	2	2	34	2.833	0.167	0.408	4	8677	16
35RRVD3R	5	5	4	5	5	6	5	4	4	4	3	3	53	4.417	0.168	0.410	5	6779	17

36RRVD2R	2	2	1	3	3	4	4	3	2	3	4	5	36	3.000	0.389	0.624	4	11543	23
37RRVW0L	2	2	2	1	1	1	2	2	2	2	2	2	21	1.750	0.107	0.327	2	4813	12
38RRV52R	3	4	4	4	4	4	4	3	3	4	4	4	45	3.750	0.050	0.224	4	4194	11
39RRVW0C	6	6	6	5	5	5	5	4	4	4	4	4	58	4.833	0.132	0.364	5	5405	16
40RRQW00	3	3	3	4	4	4	3	3	3	3	2	2	37	3.083	0.133	0.365	4	4453	15
41RRVD2R	2	2	2	2	2	3	2	2	2	1	1	1	22	1.833	0.167	0.408	3	5891	15
42RMVH60	1	1	1	1	1	1	1	1	1	1	1	1	12	1.000	0.000	0.000	1	4439	1
43RRQ30A	2	1	1	1	1	1	1	1	1	1	1	1	13	1.083	0.071	0.266	2	6428	10
44RRV18B	3	3	3	3	3	2	2	2	3	3	3	2	32	2.667	0.083	0.289	3	4601	12
45RRH80C	5	5	5	6	6	5	5	4	4	4	4	3	56	4.667	0.155	0.393	5	3707	17
46RRV183	5	5	4	4	4	4	4	4	4	4	3	3	48	4.000	0.083	0.289	4	3378	13
47RRVD30	4	4	4	3	3	4	4	4	4	4	4	4	46	3.833	0.036	0.190	4	3065	10
48RMVD65	4	4	4	5	4	4	4	4	3	3	4	4	47	3.917	0.062	0.249	4	3672	12
49RSY101	3	3	2	2	2	1	1	1	1	1	1	1	19	1.583	0.364	0.603	3	7563	20
50RRI301	12	12	12	11	11	10	11	11	11	12	11	11	135	11.250	0.031	0.177	12	1926	17
51RRVD39	13	13	12	12	12	12	11	11	11	11	11	11	140	11.667	0.048	0.218	12	2131	19
52RRA52H	10	10	10	9	9	9	8	8	8	8	8	8	105	8.750	0.079	0.280	9	1909	18
53RRA520	10	10	9	9	9	8	8	8	8	8	8	8	103	8.583	0.067	0.259	9	2223	17
54RSY031	9	9	9	9	9	8	8	8	9	9	8	8	103	8.583	0.028	0.168	9	2286	14

17RRVD30	5122.00	5122.00	5122.00	4128.50	4128.50	4128.50	4128.50	3135.00	3135.00	3135.00	3135.00	3135.00	47555.00
18RRVW04	2933.50	2933.50	1544.00	1544.00	2933.50	2933.50	4323.00	4323.00	2933.50	2933.50	2933.50	1544.00	33812.50
19RRV183	2800.50	2800.50	2800.50	2359.50	2359.50	2800.50	2359.50	2359.50	2359.50	2800.50	2800.50	2800.50	31401.00
20RRVD3R	5115.00	6768.50	6768.50	6768.50	6768.50	6768.50	6768.50	5115.00	5115.00	6768.50	6768.50	6768.50	76261.50
21RRA52H	3862.50	3862.50	3862.50	3244.50	3244.50	2626.50	2626.50	3244.50	2626.50	2626.50	2008.50	2008.50	35844.00
22RRVD3R	2800.50	2800.50	2800.50	2139.00	2139.00	2139.00	2139.00	2139.00	1477.50	1477.50	1477.50	1477.50	25006.50
23RRQ304	2164.50	2164.50	2164.50	2164.50	2164.50	1662.00	1662.00	1662.00	1159.50	1662.00	1662.00	1662.00	21954.00
24RSY04R	3844.50	3844.50	2922.00	2922.00	2922.00	1999.50	1999.50	2922.00	2922.00	2922.00	2922.00	2922.00	35064.00
25RRQW09	6818.50	6818.50	5866.50	5866.50	6818.50	4914.50	4914.50	3962.50	3962.50	3962.50	3962.50	3962.50	61830.00
26RRQ306	3210.00	3210.00	2191.50	2191.50	3210.00	3210.00	2191.50	2191.50	2191.50	1173.00	1173.00	1173.00	27316.50
27RRVD1R	3834.50	3834.50	3098.50	3098.50	3834.50	3098.50	3098.50	3098.50	2362.50	2362.50	2362.50	3098.50	37182.00
28RRVD3R	2942.50	2942.50	2942.50	1548.50	1548.50	2942.50	2942.50	2942.50	2942.50	1548.50	2942.50	2942.50	31128.00
29RRQ046	2607.50	2607.50	2607.50	3834.00	2607.50	2607.50	1381.00	1381.00	1381.00	1381.00	1381.00	1381.00	25157.50
30RRVW04	619.50	619.50	650.50	650.50	619.50	588.50	588.50	557.50	526.50	526.50	526.50	526.50	7000.00
31RRVD2R	537.00	537.00	537.00	562.50	562.50	537.00	511.50	511.50	511.50	511.50	486.00	486.00	6291.00
32RRQWOR	2994.00	2994.00	3940.50	4887.00	3940.50	2994.00	3940.50	2994.00	2994.00	2047.50	2047.50	2994.00	38767.50
33RRVD2R	3906.50	3906.50	4844.50	4844.50	3906.50	3906.50	2968.50	2968.50	2968.50	2030.50	2030.50	2030.50	40312.00
34RRQ30S	3906.50	3906.50	3009.00	3009.00	3009.00	2057.50	2057.50	3009.00	3009.00	3009.00	2057.50	2057.50	34205.00
35RRVD3R	2874.50	2874.50	2330.50	2874.50	2874.50	3418.50	2874.50	2330.50	2330.50	2330.50	1786.50	1786.50	30686.00

