

Supporting Report 5.6 Water Demand Input

Available data properties

Water demand data are required both for:

- the present situation, to enable study the current system operation conditions.
- the target dates 2010, 2015 and 2020, that is projection data derived from the knowledge of the current state and expected growth of population and activities in each of the different sub-areas of the study area.

Some data about current consumption are available at PPWSA from two different types of records:

- the telemeters records, which have the following properties:
 - o good time accuracy, since each telemeter – when normally operating – records the current flow and pressure data every minute, day and night.
 - o poor topographical accuracy, since records are available only from the geographical position of the 42 existing telemeters, and empirical assumptions must be made about the exact area covered by each of them. While valves exist which may be closed to isolate each of these areas, valves usually remain open and many interactions exist between the flows in these areas.
 - o partiality, since telemeters have been set up and active progressively up to the present time, and until recently have not been covering the whole distribution area.
 - o poor reliability, since telemeter operation is irregularly interrupted, and data transmitted and recorded are not available in a continuous manner.
- the consumer meter records, which serve as a basis for billing. These records have the following properties:
 - o good topographical accuracy, since they are available virtually for every small distribution area – though data actually are organised and made available only at the sub-district level.
 - o Poor time accuracy, since individual meter measurements are recorded only – as an average – once every 2 months, for billing purposes.
 - o It is an exact representation of the water distribution, that is the part of the water demand *actually covered by PPWSA distribution service*, either directly or through water resellers.
 - o it does not take into account the distribution losses and possible stolen water, which can be known only indirectly from comparison of recorded consumption with global production and telemeter flow data.

Choice of zones and location for water demand insertion

Given the properties of both kinds of water demand data available, it has been decided that:

- the consumer meters data (used for billing) be used in priority to define water demand input points with a sufficient topographical extents and precision.
- The telemeter data will be used in a second stage:
 - o To validate assumptions made while interpreting the data,
 - o to build realistic scenarios including the probable evolution of water demand across the study area, over various time durations and under various situations (average day, peak day).

As consumer meter data are made available at the scale of sub-districts, which is considered to give an appropriate geographical precision, it has been decided that:

- water demand data, and its possible variations, is considered at the sub-district level,
- water demand for each sub-district is inserted at a number of nodes which are selected with the following rationale and method:
 - o water demand node locations must be the most representative points of input from the main distribution network – represented by the model – into the smaller, local distribution sub-networks.

- as the structure of the network, especially at the local scale, is a meshed network, it is not generally possible to identify a single point of input for each sub-area. A variable number of points is selected, according to the local network structure, with the concern to include each major local distribution node and at the same time to limit the complexity related to the number of nodes.
- during the process of choosing the water demand node locations, each of these nodes is given a coefficient to represent its estimated percentage of the water demand estimated for the considered area (that is the sub-district). This coefficient is determined empirically from the observation of the relative density of housing and activities estimated to be served by this node.

As a result of this process:

- amongst existing junction nodes in the model, they have been attributed a water demand
- given the total number of sub-districts covered by the study area, this accounts for an average water demand nodes by sub-district.

Water demand input data are shown below.

P.P. 2004 water demand Input I./s.

N°	Code	Name	J72-407	J74-1270	J74-267	J74-1687	J74-1630	J74-1623	J76-1430	J76-1262	JKT-886	JKA-1868
1	120101	Tonle Basak	0	0	0	0	0	0	0	0	0	0
2	120102	Boeang Kang Kang Muoy	0	0	0	0	0	0	0	0	0	0
3	120103	Boeang Kang Kang Pir	0	0	0	0	0	0	0	0	0	0
4	120104	Boeang Kang Kang Bel	0	0	0	0	0	0	0	0	0	0
5	120105	Oulamk	0	0	0	0	0	0	0	0	0	0
6	120108	Tuol Svay Prey Muoy	0	0	0	0	0	0	0	0	0	0
7	120107	Tuol Svay Prey Pir	0	0	0	0	0	0	0	0	0	0
8	120108	Tumob Tuak	0	0	0	0	0	0	0	0	0	0
9	120109	Tuol Tumpung Pir	0	0	0	0	0	0	0	0	0	0
10	120110	Tuol Tumpung Muoy	0	0	0	0	0	0	0	0	0	0
11	120111	Boeang Talaak	0	0	0	0	0	0	0	0	0	0
12	120112	Phsar Dasum Thkov	0	0	0	0	0	0	0	0	0	0
13	120201	Phsar Thmel Muoy	0	0	0	0	0	0	0	0	0	0
14	120202	Phsar Thmel Pir	0	0	0	0	0	0	0	0	0	0
15	120203	Phsar Thmel Bel	0	0	0	0	0	0	0	0	0	0
16	120204	Boeang Reang	0	0	0	0	0	0	0	0	0	0
17	120205	Phsar Kandal Muoy	0	0	0	0	0	0	0	0	0	0
18	120208	Phsar Kandal Pir	0	0	0	0	0	0	0	0	0	0
19	120207	Chakti Mukh	0	0	0	0	0	0	0	0	0	0
20	120209	Chey Chumneah	0	0	0	0	0	0	0	0	0	0
21	120209	Phsar Chas	0	0	0	0	0	0	0	0	0	0
22	120210	Srah Chak	0	0	0	0	0	0	0	0	0	0
23	120211	Vat Phnum	0	0	0	0	0	0	0	0	0	0
24	120301	Ou Ruessel Muoy	0	0	0	0	0	0	0	0	0	0
25	120302	Ou Ruessel Pir	0	0	0	0	0	0	0	0	0	0
26	120303	Ou Ruessel Bel	0	0	0	0	0	0	0	0	0	0
27	120304	Ou Ruessel Buon	0	0	0	0	0	0	0	0	0	0
28	120305	Monourom	0	0	0	0	0	0	0	0	0	0
29	120308	Miltakphap	0	0	0	0	0	0	0	0	0	0
30	120307	Veal Vong	0	0	0	0	0	0	0	0	0	0
31	120308	Boeang Profil	0	0	0	0	0	0	0	0	0	0
32	120401	Phsar Deou Muoy	0	0	0	0	0	0	0	0	0	0
33	120402	Phsar Deou Pir	0	0	0	0	0	0	0	0	0	0
34	120403	Phsar Deou Bel	0	0	0	0	0	0	0	0	0	0
35	120404	Tuak L'ak Muoy	0	0	0	0	0	0	0	0	0	0
36	120405	Tuak L'ak Pir	0	0	0	0	0	0	0	0	0	0
37	120406	Tuak L'ak Bel	0	0	0	0	0	0	0	0	0	0
38	120407	Boeang Kak Muoy	0	0	0	0	0	0	0	0	0	0
39	120408	Boeang Kak Pir	0	0	0	0	0	0	0	0	0	0
40	120409	Phsar Dasum Kar	0	0	0	0	0	0	0	0	0	0
41	120410	Boeang Salang	0	0	0	0	0	0	0	0	0	0
42	120501	Dangkae	0	0	0	0	0	0	0	0	0	0
43	120502	Trapeang Krasang	0	0	0	0	0	0	0	0	0	0
44	120503	Kouk Roka	0	0	0	0	0	0	0	0	0	0
45	120504	Phleung Chheh Roteh	0	0	0	0	0	0	0	0	0	0
46	120505	Chom Chau	0	0	0	0	0	0	0	0	0	0
47	120508	Katab	0	0	0	0	0	0	0	0	0	0
48	120507	Pong Tuak	0	0	0	0	0	0	0	0	0	0
49	120508	Prey Veang	0	0	0	0	0	0	0	0	0	0
50	120509	Samraong Kraom	0	0	0	0	0	0	0	0	0	0
51	120510	Prey Sa	0	0	0	0	0	0	0	0	0	0
52	120511	Krang Thong	0	0	0	0	0	0	0	0	0	0
53	120512	Krang Pongre	0	0	0	0	0	0	0	0	0	0
54	120513	Prateah Lonn	0	0	0	0	0	0	0	0	0	0
55	120514	Sak Sampov	0	0	0	0	0	0	0	0	0	0
56	120515	Cheung Aak	0	0	0	0	0	0	0	0	0	0
57	120601	Stueng Mean Chay	0	0	0	0	0	0	0	0	0	0
58	120602	Boeang Tumpun	0	0	0	0	0	0	0	0	0	0
59	120603	Preaek Pra	0	0	0	0	0	0	0	0	0	0
60	120604	Chbar Ampov Muoy	0	0	0	0	0	0	0	0	0	0
61	120605	Chbar Ampov Pir	0	0	0	0	0	0	0	0	0	0
62	120606	Chak Angrae Lau	0	0	0	0	0	0	0	0	0	0
63	120607	Chak Angrae Kraom	0	0	0	0	0	0	0	0	0	0
64	120608	Nirouth	0	0	0	0	0	0	0	0	0	0
65	120701	Khmuonh	0	0	0	0	0	0	0	0	0	0
66	120702	Tuol Sangkae	0	0	0	0	0	0	0	0	0	0
67	120703	Svay Pak	0	0	0	0	0	0	0	0	0	0
68	120704	Klourneab Lekh Prannmuoy	0	0	0	0	0	0	0	0	0	0
69	120705	Phnom Penth Thmel	0	0	0	0	0	0	0	0	0	0
70	120706	Ruessel Kasv	0	0	0	0	0	0	0	0	0	0
71	120707	Tuak Thla	0	0	0	0	0	0	0	0	0	0
72	120708	Preaek Lieb	977.12	0	0	0	0	0	0	0	0	0
73	120709	Preaek Ta Sok	0	0	0	0	0	0	0	0	0	0
74	120710	Chreuy Chhangva	0	267.02	267.02	267.02	267.02	267.02	0	0	0	0
75	120711	Chrang Chamreth Muoy	0	0	0	0	0	0	853.78	0	0	0
76	120712	Chrang Chamreth Pir	0	0	0	0	0	0	0	589.25	0	0
KT	811	Takhmao	0	0	0	0	0	0	0	0	1050.0	0
KA	808	Ang Snud	0	0	0	0	0	0	0	0	0	0
			J72-407	J74-1270	J74-267	J74-1687	J74-1630	J74-1623	J76-1430	J76-1262	JKT-886	JKA-1868
			977.12	267.02	267.02	267.02	267.02	267.02	853.78	589.25	1050.77	0.00

P.P. 2010 water demand input l/s.

Table with columns for Code, Name, and a large grid of data values. Includes a 'Peak day, peak hour' section and a 'Total WD per junction' summary row at the bottom.

P.P. 2010 water demand Input l/s.

N°	Code	Name	J74-1270	J74-207	J74-1007	J74-1050	J74-1023	J76-1439	J76-1282	JKT-085	JKA-1056
1	120101	Tonle Basak	0	0	0	0	0	0	0	0	0
2	120102	Boeang Keng Kang Muoy	0	0	0	0	0	0	0	0	0
3	120103	Boeang Keng Kang Pir	0	0	0	0	0	0	0	0	0
4	120104	Boeang Keng Kang Bel	0	0	0	0	0	0	0	0	0
5	120105	Oulomok	0	0	0	0	0	0	0	0	0
6	120106	Tuel Svay Prey Muoy	0	0	0	0	0	0	0	0	0
7	120107	Tuel Svay Prey Pir	0	0	0	0	0	0	0	0	0
8	120108	Tumrob Tuak	0	0	0	0	0	0	0	0	0
9	120109	Tuel Tumpung Pir	0	0	0	0	0	0	0	0	0
10	120110	Tuel Tumpung Muoy	0	0	0	0	0	0	0	0	0
11	120111	Boeang Trabak	0	0	0	0	0	0	0	0	0
12	120112	Phsar Daeum Thkov	0	0	0	0	0	0	0	0	0
13	120201	Phsar Thmei Muoy	0	0	0	0	0	0	0	0	0
14	120202	Phsar Thmei Pir	0	0	0	0	0	0	0	0	0
15	120203	Phsar Thmei Bel	0	0	0	0	0	0	0	0	0
16	120204	Boeang Reang	0	0	0	0	0	0	0	0	0
17	120205	Phsar Kandal Muoy	0	0	0	0	0	0	0	0	0
18	120206	Phsar Kandal Pir	0	0	0	0	0	0	0	0	0
19	120207	Chakto Mukh	0	0	0	0	0	0	0	0	0
20	120208	Chey Chumneah	0	0	0	0	0	0	0	0	0
21	120209	Phsar Chas	0	0	0	0	0	0	0	0	0
22	120210	Srah Chak	0	0	0	0	0	0	0	0	0
23	120211	Val Phnum	0	0	0	0	0	0	0	0	0
24	120301	Ou Ruessel Muoy	0	0	0	0	0	0	0	0	0
25	120302	Ou Ruessel Pir	0	0	0	0	0	0	0	0	0
26	120303	Ou Ruessel Bel	0	0	0	0	0	0	0	0	0
27	120304	Ou Ruessel Buon	0	0	0	0	0	0	0	0	0
28	120305	Monoum	0	0	0	0	0	0	0	0	0
29	120306	Mittakheap	0	0	0	0	0	0	0	0	0
30	120307	Veal Vong	0	0	0	0	0	0	0	0	0
31	120308	Boeang Frolit	0	0	0	0	0	0	0	0	0
32	120401	Phsar Depou Muoy	0	0	0	0	0	0	0	0	0
33	120402	Phsar Depou Pir	0	0	0	0	0	0	0	0	0
34	120403	Phsar Depou Bel	0	0	0	0	0	0	0	0	0
35	120404	Tuak Lak Muoy	0	0	0	0	0	0	0	0	0
36	120405	Tuak Lak Pir	0	0	0	0	0	0	0	0	0
37	120406	Tuak Lak Bel	0	0	0	0	0	0	0	0	0
38	120407	Boeang Kak Muoy	0	0	0	0	0	0	0	0	0
39	120408	Boeang Kak Pir	0	0	0	0	0	0	0	0	0
40	120409	Phsar Daeum Kor	0	0	0	0	0	0	0	0	0
41	120410	Boeang Slnang	0	0	0	0	0	0	0	0	0
42	120501	Dangkae	0	0	0	0	0	0	0	0	0
43	120502	Trapeang Krasang	0	0	0	0	0	0	0	0	0
44	120503	Kouk Roka	0	0	0	0	0	0	0	0	0
45	120504	Phleung Chheh Roteh	0	0	0	0	0	0	0	0	0
46	120505	Chaom Chau	0	0	0	0	0	0	0	0	0
47	120506	Kakab	0	0	0	0	0	0	0	0	0
48	120507	Pong Tuak	0	0	0	0	0	0	0	0	0
49	120508	Prey Vaseang	0	0	0	0	0	0	0	0	0
50	120509	Samraeng Kraom	0	0	0	0	0	0	0	0	0
51	120510	Prey Sa	0	0	0	0	0	0	0	0	0
52	120511	Krang Throng	0	0	0	0	0	0	0	0	0
53	120512	Krang Pongro	0	0	0	0	0	0	0	0	0
54	120513	Pratah Lang	0	0	0	0	0	0	0	0	0
55	120514	Sak Sampov	0	0	0	0	0	0	0	0	0
56	120515	Chueng Aek	0	0	0	0	0	0	0	0	0
57	120601	Shang Mean Chey	0	0	0	0	0	0	0	0	0
58	120602	Boeang Tumpun	0	0	0	0	0	0	0	0	0
59	120603	Preak Pra	0	0	0	0	0	0	0	0	0
60	120604	Chbar Ampov Muoy	0	0	0	0	0	0	0	0	0
61	120605	Chbar Ampov Pir	0	0	0	0	0	0	0	0	0
62	120606	Chak Angraé Lou	0	0	0	0	0	0	0	0	0
63	120607	Chak Angraé Kraom	0	0	0	0	0	0	0	0	0
64	120608	Hirouh	0	0	0	0	0	0	0	0	0
65	120701	Hnamouh	0	0	0	0	0	0	0	0	0
66	120702	Tuel Sangkae	0	0	0	0	0	0	0	0	0
67	120703	Svay Pak	0	0	0	0	0	0	0	0	0
68	120704	Kleummetr Lekh Prammuy	0	0	0	0	0	0	0	0	0
69	120705	Phnom Penh Thmei	0	0	0	0	0	0	0	0	0
70	120706	Ruessel Kaev	0	0	0	0	0	0	0	0	0
71	120707	Tuak This	0	0	0	0	0	0	0	0	0
72	120708	Preak Lieb	0	0	0	0	0	0	0	0	0
73	120709	Preak Ta Sak	0	0	0	0	0	0	0	0	0
74	120710	Chreuy Changva	355.4	355.4	355.4	355.4	355.4	0	0	0	0
75	120711	Chrang Chamreh Muoy	0	0	0	0	0	599.41	0	0	0
76	120712	Chrang Chamreh Pir	0	0	0	0	0	0	1056.6	0	0
KT	811	Takhmao	0	0	0	0	0	0	0	4167.8	0
KA	808	Ang Snuol	0	0	0	0	0	0	0	0	517.02
			J74-1270	J74-207	J74-1007	J74-1050	J74-1023	J76-1439	J76-1282	JKT-085	JKA-1056
			355.40	355.40	355.40	355.40	355.40	599.41	1056.63	4167.57	517.02

P.P. 2018 water demand Input l/s.

Table with columns for N°, Code, Name, and 50 columns of numerical data representing water demand input in l/s for various locations and codes. The table includes a list of codes and names on the left, followed by a grid of numbers. Some cells contain large values like 1260.7, 1891, 923.99, etc.

P.P. 2015 water demand Input l/s.

N°	Code	Name	J74-1270	J74-257	J74-1667	J74-1630	J74-1623	J76-1430	J76-1262	JKT-885	JKA-1688
1	120101	Tomla Basak	0	0	0	0	0	0	0	0	0
2	120102	Boeng Keng Kang Muoy	0	0	0	0	0	0	0	0	0
3	120103	Boeng Keng Kang Pir	0	0	0	0	0	0	0	0	0
4	120104	Boeng Keng Kang Bai	0	0	0	0	0	0	0	0	0
5	120105	Oulankok	0	0	0	0	0	0	0	0	0
6	120106	Tuel Svay Prey Muoy	0	0	0	0	0	0	0	0	0
7	120107	Tuel Svay Prey Pir	0	0	0	0	0	0	0	0	0
8	120108	Tumnob Tuek	0	0	0	0	0	0	0	0	0
9	120109	Tuel Tumpung Pir	0	0	0	0	0	0	0	0	0
10	120110	Tuel Tumpung Muoy	0	0	0	0	0	0	0	0	0
11	120111	Boeng Trabak	0	0	0	0	0	0	0	0	0
12	120112	Phsar Daum Thkov	0	0	0	0	0	0	0	0	0
13	120201	Phsar Thmal Muoy	0	0	0	0	0	0	0	0	0
14	120202	Phsar Thmal Pir	0	0	0	0	0	0	0	0	0
15	120203	Phsar Thmal Bai	0	0	0	0	0	0	0	0	0
16	120204	Boeng Reang	0	0	0	0	0	0	0	0	0
17	120205	Phsar Kandal Muoy	0	0	0	0	0	0	0	0	0
18	120206	Phsar Kandal Pir	0	0	0	0	0	0	0	0	0
19	120207	Chakto Mukh	0	0	0	0	0	0	0	0	0
20	120208	Chey Chumneah	0	0	0	0	0	0	0	0	0
21	120209	Phsar Chas	0	0	0	0	0	0	0	0	0
22	120210	Srah Chek	0	0	0	0	0	0	0	0	0
23	120211	Vat Phnum	0	0	0	0	0	0	0	0	0
24	120301	Ou Ruessel Muoy	0	0	0	0	0	0	0	0	0
25	120302	Ou Ruessel Pir	0	0	0	0	0	0	0	0	0
26	120303	Ou Ruessel Bai	0	0	0	0	0	0	0	0	0
27	120304	Ou Ruessel Buon	0	0	0	0	0	0	0	0	0
28	120305	Monourom	0	0	0	0	0	0	0	0	0
29	120306	Milakheap	0	0	0	0	0	0	0	0	0
30	120307	Veal Vong	0	0	0	0	0	0	0	0	0
31	120308	Boeng Prolli	0	0	0	0	0	0	0	0	0
32	120401	Phsar Depou Muoy	0	0	0	0	0	0	0	0	0
33	120402	Phsar Depou Pir	0	0	0	0	0	0	0	0	0
34	120403	Phsar Depou Bai	0	0	0	0	0	0	0	0	0
35	120404	Tuek Lak Muoy	0	0	0	0	0	0	0	0	0
36	120405	Tuek Lak Pir	0	0	0	0	0	0	0	0	0
37	120406	Tuek Lak Bai	0	0	0	0	0	0	0	0	0
38	120407	Boeng Kak Muoy	0	0	0	0	0	0	0	0	0
39	120408	Boeng Kak Pir	0	0	0	0	0	0	0	0	0
40	120409	Phsar Daum Kor	0	0	0	0	0	0	0	0	0
41	120410	Boeng Salang	0	0	0	0	0	0	0	0	0
42	120501	Dangkao	0	0	0	0	0	0	0	0	0
43	120502	Trapaeng Kraasang	0	0	0	0	0	0	0	0	0
44	120503	Kouk Reka	0	0	0	0	0	0	0	0	0
45	120504	Phleung Chhek Rateh	0	0	0	0	0	0	0	0	0
46	120505	Chaom Chau	0	0	0	0	0	0	0	0	0
47	120506	Kakab	0	0	0	0	0	0	0	0	0
48	120507	Peng Tuek	0	0	0	0	0	0	0	0	0
49	120508	Prey Veasng	0	0	0	0	0	0	0	0	0
50	120509	Samsong Kraom	0	0	0	0	0	0	0	0	0
51	120510	Prey Sa	0	0	0	0	0	0	0	0	0
52	120511	Krang Thnong	0	0	0	0	0	0	0	0	0
53	120512	Krang Pengro	0	0	0	0	0	0	0	0	0
54	120513	Prateah Lang	0	0	0	0	0	0	0	0	0
55	120514	Sak Sampov	0	0	0	0	0	0	0	0	0
56	120515	Cheung Aek	0	0	0	0	0	0	0	0	0
57	120601	Sueng Mean Chey	0	0	0	0	0	0	0	0	0
58	120602	Boeng Tumoun	0	0	0	0	0	0	0	0	0
59	120603	Preak Pra	0	0	0	0	0	0	0	0	0
60	120604	Chbar Ampov Muoy	0	0	0	0	0	0	0	0	0
61	120605	Chbar Ampov Pir	0	0	0	0	0	0	0	0	0
62	120606	Chak Angrae Leu	0	0	0	0	0	0	0	0	0
63	120607	Chak Angrae Kraom	0	0	0	0	0	0	0	0	0
64	120608	Nrouth	0	0	0	0	0	0	0	0	0
65	120701	Klammaoh	0	0	0	0	0	0	0	0	0
66	120702	Tuel Sangkeo	0	0	0	0	0	0	0	0	0
67	120703	Svay Pak	0	0	0	0	0	0	0	0	0
68	120704	Klammae Lekh Prammuy	0	0	0	0	0	0	0	0	0
69	120705	Phnom Penh Thmal	0	0	0	0	0	0	0	0	0
70	120706	Ruessel Kav	0	0	0	0	0	0	0	0	0
71	120707	Tuek Thla	0	0	0	0	0	0	0	0	0
72	120708	Preak Lieb	0	0	0	0	0	0	0	0	0
73	120709	Preak Ta Sek	0	0	0	0	0	0	0	0	0
74	120710	Chrouy Changva	655.34	655.34	655.34	655.34	655.34	0	0	0	0
75	120711	Chrang Chamreh Muoy	0	0	0	0	0	918.57	0	0	0
76	120712	Chrang Chamreh Pir	0	0	0	0	0	0	1589.1	0	0
KT	811	Takhmao	0	0	0	0	0	0	0	5483.4	0
KA	808	Ang Snuol	0	0	0	0	0	0	0	0	1425.2
			J74-1270	J74-257	J74-1667	J74-1630	J74-1623	J76-1430	J76-1262	JKT-885	JKA-1688
			655.34	655.34	655.34	655.34	655.34	918.57	1589.08	5483.40	1425.20

P.P. 2012 water demand Input I/3.

N°	Code	Name	J74-1270	J74-207	J74-1007	J74-1030	J74-1023	J75-1430	J76-1202	JKT-056	JKA-1000
1	120101	Tonle Basak	0	0	0	0	0	0	0	0	0
2	120102	Boeang Kang Muoy	0	0	0	0	0	0	0	0	0
3	120103	Boeang Kang Kang Pir	0	0	0	0	0	0	0	0	0
4	120104	Boeang Kang Kang Bel	0	0	0	0	0	0	0	0	0
5	120105	Oulampik	0	0	0	0	0	0	0	0	0
6	120106	Tuel Svay Prey Muoy	0	0	0	0	0	0	0	0	0
7	120107	Tuel Svay Prey Pir	0	0	0	0	0	0	0	0	0
8	120108	Tumlob Tuek	0	0	0	0	0	0	0	0	0
9	120109	Tuel Tumpung Pir	0	0	0	0	0	0	0	0	0
10	120110	Tuel Tumpung Muoy	0	0	0	0	0	0	0	0	0
11	120111	Boeang Traesak	0	0	0	0	0	0	0	0	0
12	120112	Phsar Daoum Thkov	0	0	0	0	0	0	0	0	0
13	120201	Phsar Thmal Muoy	0	0	0	0	0	0	0	0	0
14	120202	Phsar Thmal Pir	0	0	0	0	0	0	0	0	0
15	120203	Phsar Thmal Bel	0	0	0	0	0	0	0	0	0
16	120204	Boeang Rteang	0	0	0	0	0	0	0	0	0
17	120205	Phsar Kandal Muoy	0	0	0	0	0	0	0	0	0
18	120206	Phsar Kandal Pir	0	0	0	0	0	0	0	0	0
19	120207	Chakto Mukh	0	0	0	0	0	0	0	0	0
20	120208	Chey Chummeah	0	0	0	0	0	0	0	0	0
21	120209	Phsar Chas	0	0	0	0	0	0	0	0	0
22	120210	Srah Chak	0	0	0	0	0	0	0	0	0
23	120211	Val Phnum	0	0	0	0	0	0	0	0	0
24	120301	Ou Ruessel Muoy	0	0	0	0	0	0	0	0	0
25	120302	Ou Ruessel Pir	0	0	0	0	0	0	0	0	0
26	120303	Ou Ruessel Bel	0	0	0	0	0	0	0	0	0
27	120304	Ou Ruessel Buon	0	0	0	0	0	0	0	0	0
28	120305	Monourom	0	0	0	0	0	0	0	0	0
29	120306	Mittakphaap	0	0	0	0	0	0	0	0	0
30	120307	Veal Vong	0	0	0	0	0	0	0	0	0
31	120308	Boeang Froit	0	0	0	0	0	0	0	0	0
32	120401	Phsar Depou Muoy	0	0	0	0	0	0	0	0	0
33	120402	Phsar Depou Pir	0	0	0	0	0	0	0	0	0
34	120403	Phsar Depou Bel	0	0	0	0	0	0	0	0	0
35	120404	Tuek L'ak Muoy	0	0	0	0	0	0	0	0	0
36	120405	Tuek L'ak Pir	0	0	0	0	0	0	0	0	0
37	120406	Tuek L'ak Bel	0	0	0	0	0	0	0	0	0
38	120407	Boeang Kak Muoy	0	0	0	0	0	0	0	0	0
39	120408	Boeang Kak Pir	0	0	0	0	0	0	0	0	0
40	120409	Phsar Daoum Kor	0	0	0	0	0	0	0	0	0
41	120410	Boeang Salang	0	0	0	0	0	0	0	0	0
42	120501	Dangkao	0	0	0	0	0	0	0	0	0
43	120502	Trapeang Kraeang	0	0	0	0	0	0	0	0	0
44	120503	Kouk Roka	0	0	0	0	0	0	0	0	0
45	120504	Phleum Chheh Roteh	0	0	0	0	0	0	0	0	0
46	120505	Chsam Chau	0	0	0	0	0	0	0	0	0
47	120506	Kakab	0	0	0	0	0	0	0	0	0
48	120507	Pong Tuek	0	0	0	0	0	0	0	0	0
49	120508	Prey Veseng	0	0	0	0	0	0	0	0	0
50	120509	Samraong Kraom	0	0	0	0	0	0	0	0	0
51	120510	Prey Sa	0	0	0	0	0	0	0	0	0
52	120511	Krang Thnong	0	0	0	0	0	0	0	0	0
53	120512	Krang Pongre	0	0	0	0	0	0	0	0	0
54	120513	Pratho Lang	0	0	0	0	0	0	0	0	0
55	120514	Sak Sampov	0	0	0	0	0	0	0	0	0
56	120515	Cheung Aek	0	0	0	0	0	0	0	0	0
57	120601	Stuang Mean Chey	0	0	0	0	0	0	0	0	0
58	120602	Boeang Tumpun	0	0	0	0	0	0	0	0	0
59	120803	Preaek Pra	0	0	0	0	0	0	0	0	0
60	120804	Chbar Ampov Muoy	0	0	0	0	0	0	0	0	0
61	120805	Chbar Ampov Pir	0	0	0	0	0	0	0	0	0
62	120806	Chak Angrae Lau	0	0	0	0	0	0	0	0	0
63	120807	Chak Angrae Kraom	0	0	0	0	0	0	0	0	0
64	120808	Nirouth	0	0	0	0	0	0	0	0	0
65	120701	Khmounh	0	0	0	0	0	0	0	0	0
66	120702	Tuel Sangkae	0	0	0	0	0	0	0	0	0
67	120703	Svay Pak	0	0	0	0	0	0	0	0	0
68	120704	Klounmae Lakh Prammuoy	0	0	0	0	0	0	0	0	0
69	120705	Phnum Penh Thmal	0	0	0	0	0	0	0	0	0
70	120706	Ruessel Keav	0	0	0	0	0	0	0	0	0
71	120707	Tuek Thla	0	0	0	0	0	0	0	0	0
72	120708	Preaek Lieb	0	0	0	0	0	0	0	0	0
73	120709	Preaek Ta Sak	0	0	0	0	0	0	0	0	0
74	120710	Chrouy Chanvra	1098.5	1098.5	1098.5	1098.5	1098.5	0	0	0	0
75	120711	Chrang Chanvreh Muoy	0	0	0	0	1351.1	0	0	0	0
76	120712	Chrang Chanvrah Pir	0	0	0	0	0	2300.8	0	0	0
KT	811	Takhmao	0	0	0	0	0	0	6374.3	0	0
KA	808	Ang Snuol	0	0	0	0	0	0	0	2952.4	0
		080200 (Kien Svay (part))	J74-1270	J74-207	J74-1007	J74-1030	J74-1023	J75-1430	J76-1202	JKT-056	JKA-1000
			1098.49	1098.49	1098.49	1098.49	1098.49	1351.14	2300.80	6374.30	2952.39