

Annex I1.3.3 Domestic Water Use and Projection (1/2)

No.	Specification	Unit	OKU				OKI				Muaraenim				Lahat			
			2000	2005	2010	2020	2000	2005	2010	2020	2000	2005	2010	2020	2000	2005	2010	2020
I.	Population																	
	1. Total Population	person	1,164,800	1,263,000	1,365,000	1,568,000	883,300	1,083,000	1,189,000	1,403,000	736,700	795,000	873,000	1,028,000	687,300	717,000	763,000	853,000
	2. Service Ratio	-	0.05	0.06	0.07	0.09	0.03	0.03	0.04	0.06	0.09	0.10	0.11	0.13	0.07	0.08	0.09	0.11
	3. Population Served	person	58,200	70,200	95,600	141,100	26,500	30,700	47,600	84,200	66,300	89,300	96,000	133,600	48,100	57,700	68,700	93,800
II.	Household Connection																	
	1. Service Ratio	-	0.78	0.80	0.80	0.80	0.63	0.72	0.80	0.80	0.66	0.73	0.80	0.80	0.70	0.75	0.80	0.80
	2. Population Served	person	45,200	56,200	76,500	112,900	16,600	22,100	38,100	67,400	43,500	65,200	76,800	106,900	33,500	43,300	55,000	75,000
	3. Per Capita Daily Use (PCDU)	l/p/d	110	120	130	150	110	120	130	150	126	135	140	150	91	105	120	150
	4. Total Demand	l/s	58	78	115	196	21	31	57	117	63	102	124	186	35	53	76	130
III.	Public Hydrant Service																	
	1. Service Ratio	-	0.22	0.20	0.20	0.20	0.37	0.28	0.20	0.20	0.34	0.27	0.20	0.20	0.30	0.25	0.20	0.20
	2. Population Served	person	13,000	14,000	19,100	28,200	9,900	8,600	9,500	16,800	22,800	24,100	19,200	26,700	14,600	14,400	13,700	18,800
	3. PCDU	l/p/d	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	4. Total Demand	l/s	5	5	7	10	3	3	3	6	8	8	7	9	5	5	5	7
IV.	Rural Water Demand																	
	1. Population Ratio	-	0.95	0.94	0.93	0.91	0.97	0.97	0.96	0.94	0.91	0.90	0.89	0.87	0.93	0.92	0.91	0.89
	2. Rural Population	person	1,106,600	1,192,800	1,269,400	1,426,900	856,800	1,052,300	1,141,400	1,318,800	670,400	705,700	777,000	894,400	639,200	659,300	694,300	759,200
	3. PCDU	l/p/d	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	4. Total Demand	l/s	256	276	294	330	198	244	264	305	155	163	180	207	148	153	161	176
	Total Domestic Water Demand	l/s	319	359	416	536	222	278	324	428	226	273	311	402	188	211	242	313
	Total Domestic Water Demand ex. Rural	l/s	63	83	122	206	24	34	60	123	71	110	131	195	40	58	81	137
V.	Non-Domestic Demand (ex. rural)																	
	1. Ratio to D.Demand	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2. Water Demand	l/s	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VI.	1. Total Water Demand (ex. rural)	l/s	63	83	122	206	24	34	60	123	71	110	131	195	40	58	81	137
	2. Unaccounted-for Water Ratio	-	0.27	0.25	0.24	0.20	0.30	0.28	0.25	0.20	0.36	0.32	0.28	0.20	0.23	0.22	0.22	0.2
	3. Average Water Demand	l/s	80	104	151	247	31	44	75	148	97	145	168	234	49	71	99	164
	4. Daily Max. Water Demand (f=1.1)	l/s	88	114	166	272	34	48	83	163	107	160	185	257	54	78	109	180
	Existing System Capacity	l/s	200	320	-	-	142.5	175	-	-	197	350	-	-	235	290	-	-
VII.	Raw Water Intake Demand (ex. rural)	l/s	84	109	159	260	33	46	79	156	102	153	177	246	52	75	104	173

Annex I1.3.3 Domestic Water Use and Projection (2/2)

No.	Specification	Unit	MURA				MUBA				Palembang				Rejang Lebong			
			2000	2005	2010	2020	2000	2005	2010	2020	2000	2005	2010	2020	2000	2005	2010	2020
I.	Population																	
	1. Total Population	person	660,000	717,000	794,000	946,000	1,261,900	1,422,000	1,609,000	1,984,000	1,523,200	1,598,000	1,752,000	2,058,000	349,000	378,000	404,000	456,000
	2. Service Ratio	-	0.08	0.08	0.09	0.11	0.01	0.04	0.07	0.13	0.31	0.55	0.70	0.90	0.17	0.18	0.19	0.21
	3. Population Served	person	52,800	57,800	71,500	104,100	12,600	51,600	112,600	257,900	472,200	878,900	1,226,400	1,852,200	59,300	68,000	76,800	95,800
II.	Household Connection																	
	1. Service Ratio	-	0.75	0.80	0.80	0.80	0.94	0.94	0.94	0.94	0.74	0.80	0.85	0.95	0.59	0.65	0.70	0.80
	2. Population Served	person	39,400	46,200	57,200	83,300	11,800	48,500	105,800	242,400	351,200	703,100	1,042,400	1,759,600	34,900	44,200	53,800	76,600
	3. Per Capita Daily Use (PCDU)	l/p/d	112	120	130	150	163	170	180	200	210	220	230	250	100 #	110	125	155
	4. Total Demand	l/s	51	64	86	145	22	95	220	561	854	1790	2775	5091	40	56	78	137
III.	Public Hydrant Service																	
	1. Service Ratio	-	0.25	0.20	0.20	0.20	0.06	0.06	0.06	0.06	0.26	0.20	0.15	0.05	0.41	0.35	0.30	0.20
	2. Population Served	person	13,400	11,600	14,300	20,800	800	3,100	6,800	15,500	121,000	175,800	184,000	92,600	24,400	23,800	23,000	19,200
	3. PCDU	l/p/d	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	4. Total Demand	l/s	5	4	5	7	0	1	2	5	42	61	64	32	8	8	8	7
IV.	Rural Water Demand																	
	1. Population Ratio	-	0.92	0.92	0.91	0.89	0.99	0.96	0.93	0.87	0.69	0.45	0.30	0.10	0.83	0.82	0.81	0.79
	2. Rural Population	person	607,200	659,200	722,500	841,900	1,249,300	1,370,400	1,496,400	1,726,100	1,051,000	719,100	525,600	205,800	289,700	310,000	327,200	360,200
	3. PCDU	l/p/d	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	4. Total Demand	l/s	141	153	167	195	289	317	346	400	243	166	122	48	67	72	76	83
	Total Domestic Water Demand	l/s	197	221	258	347	311	413	568	966	1,139	2,017	2,961	5,171	115	136	162	227
	Total Domestic Water Demand ex. Rural	l/s	56	68	91	152	22	96	222	566	896	1,851	2,839	5,123	48	64	86	144
V.	Non-Domestic Demand (ex. rural)																	
	1. Ratio to D.Demand	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2. Water Demand	l/s	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VI.	1. Total Water Demand (ex. rural)	l/s	56	68	91	152	22	96	222	566	896	1,851	2,839	5,123	48	64	86	144
	2. Unaccounted-for Water Ratio	-	0.16	0.16	0.16	0.16	0.22	0.21	0.21	0.20	0.37	0.33	0.29	0.20	0.20	0.20	0.20	0.20
	3. Average Water Demand	l/s	65	79	106	176	27	116	269	679	1,228	2,462	3,662	6,148	58	77	103	173
	4. Daily Max. Water Demand (f=1.1)	l/s	72	87	117	194	30	128	296	747	1,351	2,708	4,028	6,763	64	85	113	190
	Existing System Capacity	l/s	130	200	-	-	75	195	-	-	1,823	3,023	-	-	223	238	-	-
VII.	Raw Water Intake Demand (ex. rural)	l/s	68	83	112	185	28	122	283	715	1,293	2,592	3,855	6,472	61	81	108	182

#: Average of Lahat and MURA.