

APPENDIX 3 LONG LIST CITIES

Table A3-1 Long List Cities (No.1-No.62: “abc” city name order)

Capital: National Capital City
 Others: CR: Capital Region City
 SMC: Second Large Mega City EQ: Earthquake
 NUT: Naypyitau Union Territory TS: Tsunami
 NCR: Philippines Capital Region FL: Flood
 CYW: Cyclone (Typhoon/Monsoon)-Wind
 CYS: Cyclone (Typhoon/Monsoon)-Surge
 IA: Major Industrial Area
 Infra: Key Regional Infrastructure

No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
1	BRN01	Brunei Muara	4.930	114.950	21,484	Capital	4	0	0	0	0	3	2
2	BRN02	Kuala Belait	4.584	114.221	21,163		2	0	0	0	0	2	0
3	BRN03	Seria	4.610	114.331	21,082		2	0	0	0	0	2	0
4	BRN04	Tutong	4.810	114.640	13,049		4	0	0	0	0	2	0
5	KHM01	Bättâmbâng	13.092	103.196	140,533		2	0	8	0	0	0	0
6	KHM02	Kâmpóng Cham	11.992	105.464	47,300		2	0	10	0	0	0	0
7	KHM03	Kâmpóng Chhnâng	12.254	104.668	43,130		2	0	10	0	0	0	0
8	KHM04	Kâmpóng Spœ	11.462	104.521	46,850		2	0	8	0	0	0	0
9	KHM05	Kâmpóng Thum	12.711	104.889	31,871		2	0	10	0	0	0	2
10	KHM06	Kâmpôt	10.610	104.180	38,819		2	0	8	0	0	2	0
11	KHM07	Kaôh Kông	11.607	102.982	23,377		2	0	4	0	0	3	0
12	KHM08	Kêb	10.542	104.319	4,678		2	0	8	0	0	0	0
13	KHM09	Kràchéh	12.487	106.017	29,033		2	0	6	0	0	0	0
14	KHM10	Pailin	12.855	102.609	15,674		2	0	0	0	0	0	0
15	KHM11	Paôy Pêt	13.655	102.561	89,549		2	0	6	0	0	2	0
16	KHM12	Phnom Pénh	11.570	104.920	1,242,992	Capital	2	0	10	0	0	1	3
17	KHM13	Pôuthisât	12.539	103.919	25,650		2	0	8	0	0	0	0
18	KHM14	Preăh Vihéar	13.807	104.979	10,679		2	0	6	0	0	0	0
19	KHM15	Prey Vêng	11.486	105.325	14,548		2	0	10	0	0	1	0
20	KHM16	Sâmpaông	14.175	103.507	18,694		2	0	6	0	0	0	0
21	KHM17	Siêm Réab	13.358	103.855	168,662		2	0	0	0	0	0	2
22	KHM18	Sihanoukville	10.620	103.524	89,447		2	0	0	0	0	3	2
23	KHM19	Sisôphôn	13.585	102.974	61,631		2	0	6	0	0	0	0
24	KHM20	Stôeng Trêng	13.526	105.970	17,022		2	0	6	0	0	0	0
25	KHM21	Suông	11.912	105.652	42,340		2	0	8	0	0	0	0
26	KHM22	Svay Riêng	11.080	105.800	17,029		2	0	10	0	0	3	0
27	KHM23	Ta Khmau	11.482	104.945	80,141		2	0	10	0	0	1	2
28	KHM24	Takéo	10.988	104.783	14,456		2	0	10	0	0	2	0
29	IDN01	Balikpapan	-1.275	116.838	605,096		2	0	0	0	0	0	3
30	IDN02	Banda Aceh	5.550	95.320	249,499		8	10	8	0	0	0	1
31	IDN03	Bandar Lampung	-5.410	105.258	1,167,101		8	10	0	0	0	0	2
32	IDN04	Bandung City	-6.910	107.600	657,769		8	0	0	0	0	1	2
33	IDN05	Banjar City	-7.374	108.542	51,766		8	0	8	0	0	0	0
34	IDN06	Batam	1.140	104.006	1,141,816		4	0	0	0	0	3	0
35	IDN07	Batu	-7.883	112.533	198,608		6	0	0	0	0	0	0
36	IDN08	Bau-bau	-5.470	122.598	139,157		2	0	0	0	0	0	0
37	IDN09	Bekasi City	-6.220	106.970	682,878		8	0	0	0	0	3	1
38	IDN10	Binjai	3.611	98.492	261,490		6	0	0	0	0	0	1
39	IDN11	Bitung	1.443	125.193	202,204		6	0	0	0	0	0	2
40	IDN12	Blitar	-8.096	112.169	136,903		6	0	8	0	0	0	0
41	IDN13	Bogor City	-6.593	106.793	249,933		8	0	0	0	0	0	0
42	IDN14	Bontang	0.121	117.480	155,880		2	0	0	0	0	1	0
43	IDN15	Bukittinggi	-0.310	100.370	118,260		8	0	0	0	0	0	0
44	IDN16	Cimahi City	-6.897	107.536	160,317		10	0	0	0	0	0	2
45	IDN17	Cirebon City	-6.710	108.560	80,983		8	0	0	0	0	2	0
46	IDN18	Denpasar	-8.650	115.220	880,600		8	10	0	0	0	0	1
47	IDN19	Depok City	-6.390	106.830	526,004		8	0	0	0	0	1	0
48	IDN20	Dumai	1.680	101.450	280,109		6	0	0	0	0	0	2
49	IDN21	Gorontalo	0.537	123.061	197,970		6	0	8	0	0	0	0
50	IDN22	Gunungsitoli	1.279	97.608	134,196		8	2	0	0	0	0	0
51	IDN23	Jakarta Barat	-6.180	106.830	2,430,410	Capital	8	0	0	0	0	1	2
52	IDN24	Jakarta Pusat	-6.180	106.830	910,381	Capital	8	0	0	0	0	1	2
53	IDN25	Jakarta Selatan	-6.180	106.830	2,164,070	Capital	8	0	0	0	0	1	2
54	IDN26	Jakarta Timur	-6.180	106.830	2,817,994	Capital	8	0	0	0	0	1	2
55	IDN27	Jakarta Utara	-6.180	106.830	1,729,444	Capital	8	0	0	0	0	1	2
56	IDN28	Kediri	-7.810	112.010	278,072		6	0	8	0	0	0	0
57	IDN29	Kendari	-3.973	122.515	308,439		2	8	0	0	0	0	0
58	IDN30	Kota Ambon	-3.694	128.181	395,423		10	6	0	0	0	0	0
59	IDN31	Kota Banjar Baru	-3.451	114.816	227,500		2	0	0	0	0	0	0
60	IDN32	Kota Banjarmasin	-3.324	114.592	666,223		2	0	8	0	0	0	2
61	IDN33	Kota Bengkulu	-3.793	102.262	342,876		10	10	0	0	0	0	0
62	IDN34	Kota Bima	-8.452	118.725	156,400		6	0	0	0	0	0	0

BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team

Table A3-2 Long List Cities (No.63-No.124: “abc” city name order)

Capital: National Capital City
 Others: CR: Capital Region City
 SMC: Second Large Mega City
 NUT: Naypyitau Union Territory
 NCR: Philippines Capital Region
 EQ: Earthquake
 TS: Tsunami
 FL: Flood
 CYW: Cyclone (Typhoon/Monsoon)-Wind
 CYS: Cyclone (Typhoon/Monsoon)-Surge
 IA: Major Industrial Area
 Infra: Key Regional Infrastructure

No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
63	IDN35	Kota Cilegon	-5.970	106.001	405,303		8	0	0	0	0	3	0
64	IDN36	Kota Jambi	-1.592	103.617	568,062		4	0	8	0	0	0	0
65	IDN37	Kota Jayapura	-2.530	140.717	275,694		8	6	0	0	0	0	1
66	IDN38	Kota Kupang	-10.179	123.598	368,199		6	0	0	0	0	0	0
67	IDN39	Kota Magelang	-7.464	110.223	120,373		6	0	0	0	0	0	0
68	IDN40	Kota Mataram	-8.587	116.129	441,064		4	10	0	0	0	0	0
69	IDN41	Kota Pekalongan	-6.885	109.675	293,704		6	0	6	0	0	0	0
70	IDN42	Kota Pontianak	-0.026	109.341	598,097		2	0	0	0	0	0	2
71	IDN43	Kota Salatiga	-7.334	110.506	181,193		6	0	0	0	0	0	0
72	IDN44	Kota Semarang	-6.970	110.420	1,672,999		6	0	8	0	0	3	3
73	IDN45	Kota Serang	-6.110	106.150	631,101		8	0	0	0	0	1	0
74	IDN46	Kota Singkawang	0.910	108.980	202,196		2	0	0	0	0	0	0
75	IDN47	Kota Sorong	-0.867	131.250	218,800		6	2	0	0	0	0	2
76	IDN48	Kota Sungai Penuh	-2.069	101.415	86,220		8	0	0	0	0	0	0
77	IDN49	Kota Surakarta	-7.570	110.820	510,077		6	0	8	0	0	0	2
78	IDN50	Kota Tangerang	-6.180	106.630	1,999,894		8	0	10	0	0	3	2
79	IDN51	Kota Tangerang Selatan	-6.180	106.630	1,492,999		8	0	10	0	0	3	2
80	IDN52	Kota Tegal	-6.860	109.130	244,998		6	0	8	0	0	0	0
81	IDN53	Kota Tual	-5.627	132.752	65,882		4	8	0	0	0	0	0
82	IDN54	Kotamobagu	0.729	124.310	117,019		6	0	0	0	0	0	0
83	IDN55	Langsa	4.477	97.964	162,814		8	0	0	0	0	0	0
84	IDN56	Lhokseumawe	5.179	97.149	187,455		6	10	0	0	0	0	0
85	IDN57	Lubuk Linggau	-3.300	102.857	216,270		8	0	0	0	0	0	0
86	IDN58	Madiun	-7.624	111.534	174,373		6	0	8	0	0	0	0
87	IDN59	Makassar	-5.133	119.415	1,408,072		2	10	0	0	0	2	2
88	IDN60	Malang	-7.989	112.627	845,973		6	0	0	0	0	0	0
89	IDN61	Manado	1.493	124.842	423,257		6	0	0	0	0	0	1
90	IDN62	Medan	3.590	98.670	2,191,140		6	0	0	0	0	3	2
91	IDN63	Metro	-5.118	105.312	161,830		8	0	6	0	0	0	0
92	IDN64	Mojokerto	-7.470	112.430	124,719		6	0	8	0	0	1	0
93	IDN65	Padang	-0.951	100.356	876,670		8	10	0	0	0	0	1
94	IDN66	Padang Panjang	-0.466	100.399	49,536		8	0	0	0	0	0	0
95	IDN67	Padangsidempuan	1.378	99.271	206,496		8	0	0	0	0	0	0
96	IDN68	Pagar Alam	-4.045	103.228	132,498		8	0	0	0	0	0	0
97	IDN69	Palangka Raya	-2.210	113.920	244,500		2	0	6	0	0	0	0
98	IDN70	Palembang	-2.990	104.750	1,558,494		6	0	10	0	0	0	2
99	IDN71	Palopo	-2.994	120.196	160,819		4	0	0	0	0	0	0
100	IDN72	Palu	-0.900	119.851	362,202		8	10	8	0	0	1	0
101	IDN73	Pangkalpinang	-2.131	106.115	191,994		4	0	0	0	0	0	0
102	IDN74	Pare-pare	-4.009	119.629	135,192		2	10	6	0	0	0	0
103	IDN75	Pariaman	-0.609	100.136	82,636		8	10	0	0	0	0	0
104	IDN76	Pasuruan	-7.639	112.907	193,329		6	0	6	0	0	0	0
105	IDN77	Payakumbuh	-0.225	100.632	123,654		6	0	6	0	0	0	0
106	IDN78	Pekanbaru	0.508	101.440	1,011,467		6	0	8	0	0	0	2
107	IDN79	Pematangsiantar	2.965	99.062	245,104		6	0	0	0	0	0	0
108	IDN80	Prabumulih	-3.433	104.240	174,477		6	0	0	0	0	0	0
109	IDN81	Probolinggo	-7.753	113.215	226,777		6	0	0	0	0	0	0
110	IDN82	Sabang	5.880	95.336	32,739		4	4	0	0	0	2	0
111	IDN83	Samarinda	-0.500	117.150	797,006		2	0	8	0	0	0	0
112	IDN84	Sawahlunto	-0.597	100.735	58,972		8	0	4	0	0	0	0
113	IDN85	Sibolga	1.740	98.780	86,166		8	10	0	0	0	0	0
114	IDN86	Solok	-0.789	100.655	63,541		8	0	0	0	0	0	0
115	IDN87	Subulussalam	2.645	98.014	73,708		8	0	0	0	0	0	0
116	IDN88	Sukabumi City	-6.920	106.920	84,668		8	0	0	0	0	0	0
117	IDN89	Surabaya	-7.240	112.740	2,833,924		6	0	10	0	0	3	2
118	IDN90	Tanjungbalai	2.970	99.801	164,675		6	0	6	0	0	0	0
119	IDN91	Tanjungpinang	0.918	104.446	199,723		4	0	0	0	0	0	0
120	IDN92	Tarakan	3.308	117.583	218,800		2	0	0	0	0	0	0
121	IDN93	Tasikmalaya City	-7.329	108.219	175,982		8	0	0	0	0	0	0
122	IDN94	Tebing Tinggi	3.327	99.158	154,804		6	0	0	0	0	0	0
123	IDN95	Temate	0.789	127.386	207,789		6	0	0	0	0	0	0
124	IDN96	Tidore Kepulauan	0.665	127.431	95,813		6	0	0	0	0	0	0

BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team

Table A3-3 Long List Cities (No.125-No.186: “abc” city name order)

Capital: National Capital City
 Others: CR: Capital Region City
 SMC: Second Large Mega City
 NUT: Naypyitau Union Territory
 NCR: Philippines Capital Region
 EQ: Earthquake
 TS: Tsunami
 FL: Flood
 CYW: Cyclone (Typhoon/Monsoon)-Wind
 CYS: Cyclone (Typhoon/Monsoon)-Surge
 IA: Major Industrial Area
 Infra: Key Regional Infrastructure

No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
125	IDN97	Tomohon	1.323	124.841	98,686		6	0	0	0	0	0	0
126	IDN98	Yogyakarta	-7.796	110.369	400,467		6	0	0	0	0	0	2
127	LAO01	Anouvong (Xaysomboun SR)	18.899	103.093	23,700		4	0	0	2	0	0	0
128	LAO02	Bolikhanh (bolikh)	18.561	103.723	49,400		4	0	4	4	0	0	2
129	LAO03	Huoiyai (Bokeo)	20.268	100.416	70,200		6	0	6	0	0	2	0
130	LAO04	Lamarm (Sekong)	15.348	106.724	35,000		2	0	6	6	0	0	0
131	LAO05	Luangprabang (luang)	19.892	102.136	90,300		4	0	10	0	0	0	2
132	LAO06	Nambak (luang)	20.632	102.462	68,900		6	0	6	0	0	0	0
133	LAO07	Namtha (Luangnamtha)	20.998	101.407	54,100		6	0	8	0	0	0	0
134	LAO08	Nonghed (xiengk)	19.496	103.987	37,600		4	0	0	4	0	0	0
135	LAO09	Outhoomphone (sav)	16.675	104.982	91,100		2	0	0	0	0	1	0
136	LAO10	Pakse (cham)	15.121	105.802	77,900		2	0	10	0	0	0	2
137	LAO11	Paksong (cham)	15.177	106.239	81,200		2	0	0	4	0	0	0
138	LAO12	Pakxane (bolikh)	18.395	103.656	45,000		4	0	8	6	0	0	1
139	LAO13	Parkai (xaya)	18.219	101.410	68,200		6	0	6	0	0	0	0
140	LAO14	Phongsaly (Phongsaly)	21.685	102.105	23,300		4	0	0	0	0	0	0
141	LAO15	Phonsavan (Pek / xiengk)	19.450	103.192	75,600		4	0	0	6	0	0	0
142	LAO16	Samakxixay (Attapeu/Attapeu)	14.812	106.830	36,400		2	0	6	4	0	0	0
143	LAO17	Saravane (Saravane)	15.716	106.422	100,900		2	0	6	6	0	0	0
144	LAO18	Savannakhet (Kaysone Phomvihane)	16.570	104.750	125,700		2	0	8	0	0	2	0
145	LAO19	Thalhek (kham)	17.399	104.804	90,800		2	0	10	6	0	2	0
146	LAO20	Thoulakhom (Vien Prov)	18.436	102.532	53,400		6	0	6	0	0	0	0
147	LAO21	Vangvieng (Vien Prov)	18.922	102.448	55,500		4	0	0	0	0	0	0
148	LAO22	Vientiane City	17.970	102.610	820,900	Capital	4	0	10	0	0	3	2
149	LAO23	Xamneua (huaphanh)	20.413	104.048	56,900		4	0	0	6	0	1	0
150	LAO24	Xanakham (Vien Prov)	17.913	101.678	40,000		4	0	8	0	0	0	0
151	LAO25	Xay (Oudomxay)	20.692	101.982	79,500		6	0	0	0	0	0	0
152	LAO26	Xayaboury (xaya)	19.256	101.711	75,700		4	0	8	0	0	0	0
153	MYS01	Alor Gajah	2.382	102.209	17,688		4	0	0	0	0	2	1
154	MYS02	Alor Setar	6.110	100.370	186,433		2	2	10	0	0	3	0
155	MYS03	Ampang Jaya	3.150	101.770	478,613		4	0	0	0	0	3	0
156	MYS04	Batu Pahat	1.850	102.930	124,269		4	0	6	0	0	2	0
157	MYS05	Dungun	4.755	103.416	50,206		2	0	4	0	0	2	0
158	MYS06	George Town (penang CC)	5.421	100.341	500,000		4	10	6	0	0	3	1
159	MYS07	Johor Bahru	1.480	103.750	642,944		2	0	0	0	0	3	2
160	MYS08	Kajang	2.980	101.770	205,694		4	0	6	0	0	3	0
161	MYS09	Kemaman	4.235	103.421	63,159		2	0	6	0	0	3	2
162	MYS10	Kluang (Keluang)	2.030	103.318	134,150		4	0	4	0	0	3	0
163	MYS11	Kota Bharu	6.120	102.240	251,801		2	0	8	0	0	3	0
164	MYS12	Kota Kinabalu	5.970	116.070	306,920		4	0	0	0	0	3	3
165	MYS13	Kuala Lumpur	3.160	101.701	1,768,000	Capital	4	0	0	0	0	3	1
166	MYS14	Kuala Terengganu	5.330	103.140	255,518		2	0	6	0	0	3	0
167	MYS15	Kuantan	3.812	103.327	288,727		2	0	6	0	0	3	2
168	MYS16	Kuching	3.820	103.340	422,240		2	0	0	0	0	3	2
169	MYS17	Kulai	1.661	103.604	48,546		2	0	0	0	0	3	2
170	MYS18	Kulim	5.371	100.506	117,488		4	0	0	0	0	3	0
171	MYS19	Langkawi	6.321	99.849	94,777		2	4	0	0	0	2	1
172	MYS20	Miri	4.421	114.013	169,005		2	0	0	0	0	2	1
173	MYS21	Muar	2.049	102.571	103,238		4	0	2	0	0	1	0
174	MYS22	Nilai	2.820	101.800	31,468		4	0	0	0	0	3	1
175	MYS23	Parit Raja	1.863	103.109	16,953		4	0	0	0	0	3	0
176	MYS24	Pasir Gudang	1.450	103.890	90,742		4	0	0	0	0	2	1
177	MYS25	Petaling Jaya	3.100	101.620	432,619		4	0	0	0	0	3	2
178	MYS26	Port Dickson	2.530	101.800	68,923		4	0	0	0	0	3	0
179	MYS27	Port Kelang	3.040	101.450	626,699		4	0	10	0	0	3	2
180	MYS28	Selayang Baru	3.261	101.652	174,628		4	0	0	0	0	3	1
181	MYS29	Seremban	2.710	101.950	290,709		4	0	0	0	0	3	0
182	MYS30	Shah Alam	3.070	101.560	314,440		4	0	8	0	0	3	2
183	MYS31	Sibu	2.300	111.830	167,427		2	0	8	0	0	2	0
184	MYS32	Subang Jaya	3.150	101.530	447,183		4	0	0	0	0	3	2
185	MYS33	Sungai Petani (Kuala Muda)	5.650	100.480	174,962		4	0	0	0	0	3	0
186	MYS34	Taiping	4.860	100.720	199,489		4	6	0	0	0	3	0

BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team

Table A3-4 Long List Cities (No.187-No.248: “abc” city name order)

Capital: National Capital City
 Others: CR: Capital Region City
 SMC: Second Large Mega City EQ: Earthquake
 NUT: Naypyitau Union Territory TS: Tsunami
 NCR: Philippines Capital Region FL: Flood
 CYW: Cyclone (Typhoon/Monsoon)-Wind
 CYS: Cyclone (Typhoon/Monsoon)-Surge
 IA: Major Industrial Area
 Infra: Key Regional Infrastructure

No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
187	MYS35	Tawau	4.260	117.880	213,745		4	0	0	0	0	3	0
188	MYS36	Teluk Intan	4.023	101.022	60,716		4	0	8	0	0	0	0
189	MMR01	Ahlon-WY	16.782	96.128	55,482	2MC(Yangon)	4	8	10	10	2	3	1
190	MMR02	Amarapura	21.903	96.049	237,618		10	0	10	0	0	3	0
191	MMR03	Ann	19.795	94.048	119,714		6	0	6	6	0	0	0
192	MMR04	Aunglan	19.359	95.217	235,222		6	0	8	0	0	0	0
193	MMR05	Aungmyethazan	21.993	96.097	265,779		10	0	8	0	0	3	0
194	MMR06	Ayadaw	22.285	95.451	155,769		10	0	0	0	0	0	0
195	MMR07	Bago	17.336	96.484	491,434		6	0	10	8	0	1	0
196	MMR08	Bahan-WY	16.815	96.156	96,732	2MC(Yangon)	4	8	10	10	2	3	2
197	MMR09	Banmauk	24.400	95.858	112,668		10	0	0	6	0	0	0
198	MMR10	Bawlahe	19.174	97.337	10,996		8	0	6	0	0	0	0
199	MMR11	Bhamo	24.255	97.234	135,877		4	0	8	6	0	0	0
200	MMR12	Bilin	17.211	97.230	181,075		6	0	6	6	0	0	0
201	MMR13	Bogale	16.295	95.397	322,665		4	8	0	8	2	0	0
202	MMR14	Bokpyin	11.263	98.761	81,718		2	2	0	0	2	0	0
203	MMR15	Bothtaung-EY	16.772	96.170	40,995	2MC(Yangon)	4	8	10	10	2	3	1
204	MMR16	Budalin	22.389	95.149	123,539		10	0	0	0	0	0	0
205	MMR17	Buthidaung	20.875	92.525	55,545		8	0	4	8	0	0	0
206	MMR18	Chanayethazan (mandalay)	21.975	96.095	197,175		10	0	8	0	0	3	0
207	MMR19	Chanmyathazi	21.939	96.096	283,781		10	0	8	0	0	3	0
208	MMR20	Chauk	20.903	94.821	185,189		8	0	10	0	0	0	0
209	MMR21	Chaung-U	21.957	95.274	105,955		8	0	6	0	0	0	0
210	MMR22	Chaungzon	16.351	97.550	122,126		4	10	0	0	0	1	0
211	MMR23	Chipwi	25.886	98.130	20,039		10	0	0	0	0	0	0
212	MMR24	Cocokyun-SY	14.128	93.373	1,940	2MC(Yangon)	2	4	0	4	2	0	0
213	MMR25	Dagon Seikkan Myothit-EY	16.840	96.273	167,448	2MC(Yangon)	6	4	0	6	2	3	1
214	MMR26	Dagon-WY	16.795	96.147	25,082	2MC(Yangon)	4	8	10	10	2	3	1
215	MMR27	Daik-U	17.790	96.670	202,530		6	0	6	6	0	0	0
216	MMR28	Dala-SY	16.759	96.143	172,857	2MC(Yangon)	4	8	10	10	2	2	1
217	MMR29	Danubyu	17.255	95.596	179,353		6	0	8	6	0	0	0
218	MMR30	Dawbon-EY	16.782	96.184	75,325	2MC(Yangon)	4	8	10	10	2	3	1
219	MMR31	Dawei	14.077	98.190	146,964		2	10	8	0	0	0	0
220	MMR32	Dedaye	16.408	95.885	202,926		4	0	0	8	0	0	0
221	MMR33	Demoso	19.538	97.159	79,201		8	0	0	0	0	0	0
222	MMR34	Detkhinathiri	19.719	96.067	51,328	Capital (NUT)	8	0	0	0	0	0	0
223	MMR35	East Dagon Myothit-EY	16.913	96.213	165,628	2MC(Yangon)	6	2	8	10	2	3	2
224	MMR36	Einme	16.896	95.180	194,101		6	0	8	8	0	0	0
225	MMR37	Falam	22.911	93.680	48,077		10	0	0	4	0	0	0
226	MMR38	Gangaw	22.174	94.136	133,295		10	0	8	6	0	0	0
227	MMR39	Gwa	17.594	94.580	66,015		6	8	0	4	2	0	0
228	MMR40	Gyobingauk	18.230	95.653	117,433		6	0	4	8	0	0	0
229	MMR41	Hakha	22.640	93.605	48,352		10	0	0	6	0	0	0
230	MMR42	Hinthada	17.650	95.458	338,435		6	0	10	8	0	2	0
231	MMR43	Hkamti	25.992	95.695	47,658		10	0	2	4	0	0	0
232	MMR44	Hlaingbwe	17.126	97.819	265,883		6	0	2	0	0	0	0
233	MMR45	Hlaingtharya-NY	16.854	96.069	687,867	2MC(Yangon)	4	8	6	8	2	3	2
234	MMR46	Hlaing-WY	16.848	96.125	160,307	2MC(Yangon)	4	8	8	10	2	3	2
235	MMR47	Hlegu-NY	17.099	96.227	270,741	2MC(Yangon)	6	0	6	6	0	1	0
236	MMR48	Hmawbi-NY	17.100	96.042	244,607	2MC(Yangon)	6	0	0	6	0	1	0
237	MMR49	Homalin	24.864	94.911	258,206		10	0	6	6	0	0	0
238	MMR50	Hopang	23.425	98.750	61,100		6	0	4	0	0	0	0
239	MMR51	Hopong	20.797	97.170	112,348		8	0	0	0	0	0	0
240	MMR52	Hpa-An	16.881	97.637	421,575		4	0	6	0	0	2	0
241	MMR53	Hpakant	25.613	96.312	331,708		10	0	4	4	0	0	0
242	MMR54	Hpapun	18.065	97.445	35,085		8	0	4	0	0	0	0
243	MMR55	Hpasawng	18.871	97.316	25,594		8	0	4	0	0	0	0
244	MMR56	Hpruso	19.413	97.123	29,374		8	0	0	0	0	0	0
245	MMR57	Hsawlaw	26.153	98.271	6,518		8	0	0	0	0	0	0
246	MMR58	Hsenwi	23.307	97.974	56,662		4	0	8	0	0	0	0
247	MMR59	Hsihseng	20.158	97.251	153,032		10	0	0	0	0	0	0
248	MMR60	Hsipaw	22.619	97.298	176,158		4	0	8	0	0	0	0

BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team

Table A3-5 Long List Cities (No.249-No.310: “abc” city name order)

Capital: National Capital City
 Others: CR: Capital Region City
 SMC: Second Large Mega City EQ: Earthquake
 NUT: Naypyitau Union Territory TS: Tsunami
 NCR: Philippines Capital Region FL: Flood
 CYW: Cyclone (Typhoon/Monsoon)-Wind
 CYS: Cyclone (Typhoon/Monsoon)-Surge
 IA: Major Industrial Area
 Infra: Key Regional Infrastructure

No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
249	MMR61	Htantabin (Tanugoo District)	18.840	96.499	117,276		6	0	6	0	0	0	0
250	MMR62	Htantabin-NY	18.840	96.499	145,792	2MC(Yangon)	6	0	6	0	0	0	0
251	MMR63	Indaw	24.223	96.142	120,266		10	0	6	6	0	0	0
252	MMR64	Ingapu	17.810	95.269	214,384		6	0	6	0	0	0	0
253	MMR65	Injyangyang	25.830	97.727	1,732		8	0	0	0	0	0	0
254	MMR66	Insein-NY	16.902	96.096	305,283	2MC(Yangon)	6	8	8	10	2	3	2
255	MMR67	Kalaw	20.624	96.559	186,083		10	0	0	0	0	0	0
256	MMR68	Kale	23.193	94.030	348,573		10	0	6	8	0	0	0
257	MMR69	Kalewa	23.200	94.300	56,432		10	0	6	4	0	0	0
258	MMR70	Kamayut-WY	16.828	96.132	84,569	2MC(Yangon)	4	8	10	10	2	3	2
259	MMR71	Kamma	19.029	95.096	75,195		6	0	8	6	0	0	0
260	MMR72	Kanbalu	23.203	95.519	295,561		10	0	0	0	0	0	0
261	MMR73	Kangyidaunt	16.933	94.895	177,990		6	0	8	6	0	0	0
262	MMR74	Kani	22.433	94.848	134,541		10	0	8	0	0	0	0
263	MMR75	Kanpetlet	21.193	94.057	21,493		8	0	0	4	0	0	0
264	MMR76	Katha	24.182	96.332	167,734		10	0	0	6	0	0	0
265	MMR77	Kawa	17.090	96.461	197,363		6	0	8	6	0	0	0
266	MMR78	Kawhmu	16.546	96.062	119,050		4	0	6	6	0	0	0
267	MMR79	Kawkareik	16.556	98.240	278,280		6	0	4	0	0	0	0
268	MMR80	Kawlin	23.790	95.683	145,297		10	0	8	0	0	0	0
269	MMR81	Kawnglangphu	27.058	98.360	11,655		4	0	0	0	0	0	0
270	MMR82	Kawthaung	9.982	98.549	140,020		2	2	0	0	0	0	0
271	MMR83	Kayan-SY	16.905	96.560	158,019	2MC(Yangon)	6	0	0	8	0	0	0
272	MMR84	Kengtung	21.292	99.604	171,620		8	0	0	0	0	0	0
273	MMR85	Khin-U	22.770	95.621	146,457		10	0	6	0	0	0	0
274	MMR86	Konkyan	23.829	98.539	60,062		8	0	0	0	0	0	0
275	MMR87	Kungyangon=SY	16.439	96.012	111,632	2MC(Yangon)	4	2	8	8	0	0	0
276	MMR88	Kunhing	21.301	98.424	53,403		6	0	6	0	0	0	0
277	MMR89	Kunlong	23.407	98.645	58,774		6	0	2	0	0	0	0
278	MMR90	Kutkai	23.459	97.943	174,652		4	0	0	0	0	0	0
279	MMR91	Kyaiklat	16.444	95.726	193,340		4	0	6	8	0	0	0
280	MMR92	Kyaikmaraw	16.370	97.724	195,810		4	0	6	0	0	1	0
281	MMR93	Kyaikto	17.309	97.011	184,532		6	10	4	8	0	0	0
282	MMR94	Kyainseikgyi	16.041	98.123	196,911		4	0	8	0	0	0	0
283	MMR95	Kyangin	18.340	95.239	96,083		6	0	8	8	0	0	0
284	MMR96	Kyaukkyi	18.328	96.772	113,329		6	0	0	6	0	0	0
285	MMR97	Kyaukme	22.542	97.037	172,109		4	0	0	0	0	0	0
286	MMR98	Kyaukpadaung	20.842	95.132	261,908		8	0	0	0	0	0	0
287	MMR99	Kyaukpyu	19.424	93.554	165,352		6	10	6	6	2	0	2
288	MMR100	Kyaukse	21.613	96.130	257,907		10	0	6	0	0	0	1
289	MMR101	Kyauktada-WY	16.774	96.162	29,853	2MC(Yangon)	4	8	10	10	2	3	1
290	MMR102	Kyauktaga (Bago District)	18.159	96.614	251,212		6	0	0	6	0	0	0
291	MMR103	Kyauktan-SY	16.634	96.324	167,448	2MC(Yangon)	6	6	6	6	0	1	1
292	MMR104	Kyauktaw	20.844	92.973	173,100		8	0	8	8	0	0	0
293	MMR105	Kyaunggon	17.108	95.190	163,035		6	0	8	8	0	0	0
294	MMR106	Kyethi	21.925	97.819	74,364		4	0	0	0	0	0	0
295	MMR107	Kyimyindaing-WY	16.815	96.122	111,514	2MC(Yangon)	4	8	10	10	2	3	2
296	MMR108	Kyonpyaw	17.300	95.200	235,727		6	0	8	8	0	0	0
297	MMR109	Kyunhla	23.320	95.532	104,087		10	0	0	0	0	0	0
298	MMR110	Kyunsu	12.471	98.455	171,753		2	8	6	0	0	1	0
299	MMR111	Labutta	16.146	94.759	315,218		4	6	0	8	2	0	0
300	MMR112	Lahe	26.326	95.441	48,526		10	0	0	2	0	0	0
301	MMR113	Laihka	21.270	97.665	48,831		6	0	0	0	0	0	0
302	MMR114	Langkho	20.342	98.004	33,481		6	0	8	0	0	0	0
303	MMR115	Lanmadaw-WY	16.780	96.142	47,160	2MC(Yangon)	4	8	10	10	2	2	1
304	MMR116	Lashio	22.953	97.747	323,405		4	0	0	0	0	0	0
305	MMR117	Latha-WY	16.777	96.151	25,057	2MC(Yangon)	4	8	10	10	2	3	1
306	MMR118	Laukkaing	23.692	98.764	94,850		8	0	0	0	0	0	0
307	MMR119	Launglon	13.978	98.121	118,317		2	10	0	0	0	0	0
308	MMR120	Lawksawk	21.247	96.865	164,730		8	0	6	0	0	0	0
309	MMR121	Lemyethna	17.600	95.175	103,024		6	0	6	6	0	0	0
310	MMR122	Leshi (Lay Shi)	25.445	94.951	16,322		10	0	0	0	0	0	0

BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team

Table A3-6 Long List Cities (No.311-No.372: “abc” city name order)

			Capital: National Capital City Others: CR: Capital Region City SMC: Second Large Mega City NUT: Naypyitau Union Territory NCR: Philippines Capital Region				EQ: Earthquake TS: Tsunami FL: Flood	CYW: Cyclone (Typhoon/Monsoon)-Wind CYS: Cyclone (Typhoon/Monsoon)-Surge IA: Major Industrial Area Infra: Key Regional Infrastructure					
No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
311	MMR123	Letpadan	17.779	95.745	177,407		6	0	4	6	0	0	0
312	MMR124	Lewe	19.635	96.110	284,393	Capital	8	0	8	0	0	0	0
313	MMR125	Loikaw	19.674	97.210	128,401		8	0	8	0	0	0	0
314	MMR126	Loilem	20.925	97.566	124,557		6	0	0	0	0	0	0
315	MMR127	Mabein	23.473	96.629	47,398		8	0	4	0	0	0	0
316	MMR128	Machanbaw	27.284	97.589	8,858		10	0	6	0	0	0	0
317	MMR129	Madaya	22.210	96.106	258,001		10	0	6	0	0	0	0
318	MMR130	Magway	20.140	94.927	289,247		8	0	10	0	0	0	0
319	MMR131	Mahaangmyay	21.959	96.091	241,113		10	0	8	0	0	3	0
320	MMR132	Mahlaing	21.099	95.647	139,427		10	0	0	0	0	0	0
321	MMR133	Manaung	18.854	93.729	56,966		6	10	0	6	2	0	0
322	MMR134	Mansi	24.120	97.293	52,945		4	0	0	4	0	0	0
323	MMR135	Mantong	23.252	97.120	38,601		4	0	0	0	0	0	0
324	MMR136	Matman	21.962	98.866	19,732		8	0	0	0	0	0	0
325	MMR137	Matupi	21.605	93.441	51,351		8	0	0	4	0	0	0
326	MMR138	Maubin	16.730	95.649	314,093		4	0	8	8	0	0	0
327	MMR139	Maungdaw	20.819	92.368	40,785		6	10	0	8	4	0	0
328	MMR140	Mawkaik	20.231	97.724	33,810		8	0	4	0	0	0	0
329	MMR141	Mawlaik	23.635	94.412	51,314		10	0	6	4	0	0	0
330	MMR142	Mawlamyine	16.485	97.626	289,388		4	10	4	0	0	2	0
331	MMR143	Mawlamyinegyun	16.379	95.263	311,340		4	0	0	8	2	0	0
332	MMR144	Mayangon-WY	16.866	96.143	198,113	2MC(Yangon)	4	8	8	10	2	3	2
333	MMR145	Meiktila	20.882	95.863	309,663		10	0	10	0	0	1	0
334	MMR146	Mese	18.671	97.664	6,319		8	0	0	0	0	0	0
335	MMR147	Minbu	20.172	94.875	188,182		8	0	8	0	0	0	0
336	MMR148	Minbya	20.365	93.273	169,208		8	0	6	8	4	0	0
337	MMR149	Mindat	21.372	93.974	42,600		8	0	0	4	0	0	0
338	MMR150	Mindon	19.346	94.732	59,357		6	0	6	0	0	0	0
339	MMR151	Mingaladon-NY	17.046	96.139	331,586	2MC(Yangon)	6	0	4	6	0	1	1
340	MMR152	Mingalar Taungnyunt-EY	16.789	96.168	132,494	2MC(Yangon)	4	8	10	10	2	3	1
341	MMR153	Mingin	22.878	94.494	104,363		10	0	8	0	0	0	0
342	MMR154	Minhla (Thayarwady District)	17.974	95.709	122,491		4	0	4	8	0	0	0
343	MMR155	Minhla (Thayet District)	17.974	95.709	146,082		4	0	4	8	0	0	0
344	MMR156	Mogaung	25.303	96.940	132,608		10	0	8	6	0	0	0
345	MMR157	Mogoke	22.921	96.505	167,149		8	0	0	0	0	0	0
346	MMR158	Mohnyin	24.779	96.373	209,292		10	0	0	6	0	0	0
347	MMR159	Momaik	24.256	97.346	62,914		4	0	0	4	0	0	0
348	MMR160	Monghyak	20.878	99.923	30,556		6	0	8	0	0	0	0
349	MMR161	Monghsat	20.505	99.247	104,649		4	0	4	0	0	0	0
350	MMR162	Monghsu	21.905	98.360	72,752		4	0	0	0	0	0	0
351	MMR163	Mongkhet	21.750	99.464	44,528		8	0	4	0	0	0	0
352	MMR164	Mongkung	21.611	97.527	74,294		4	0	6	0	0	0	0
353	MMR165	Mongla	21.673	100.019	43,068		8	0	6	0	0	0	0
354	MMR166	Mongmao	22.967	98.967	70,683		8	0	0	0	0	0	0
355	MMR167	Mongmit	23.114	96.670	63,330		8	0	6	0	0	0	0
356	MMR168	Mongnai	20.514	97.871	39,436		6	0	4	0	0	0	0
357	MMR169	Mongpan	20.319	98.354	32,756		6	0	0	0	0	0	0
358	MMR170	Mongping	21.350	99.026	68,833		6	0	0	0	0	0	0
359	MMR171	Mongton	20.304	98.900	70,089		4	0	0	0	0	0	0
360	MMR172	Mongyai	22.424	98.039	59,376		4	0	0	0	0	0	0
361	MMR173	Mongyang	21.842	99.687	107,645		8	0	0	0	0	0	0
362	MMR174	Mongyawng	21.182	100.359	79,890		6	0	0	0	0	1	0
363	MMR175	Monyo	18.027	95.512	127,570		6	0	8	6	0	0	0
364	MMR176	Monywa	22.122	95.140	372,095		10	0	10	0	0	0	0
365	MMR177	Mrauk-U	20.592	93.188	189,630		8	10	0	8	4	0	0
366	MMR178	Mudon	16.258	97.725	190,737		4	2	0	0	0	0	0
367	MMR179	Muse	23.990	97.902	165,022		4	0	8	6	0	0	0
368	MMR180	Myaing	21.613	94.854	225,771		8	0	0	0	0	0	0
369	MMR181	Myanaung	18.287	95.318	218,581		6	0	10	8	0	0	0
370	MMR182	Myaung	21.833	95.421	106,411		10	0	10	0	0	0	0
371	MMR183	Myaungmya	16.599	94.930	298,637		6	0	0	8	0	2	0
372	MMR184	Myawaddy	16.688	98.511	210,540		6	0	6	0	0	1	0

BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team

Table A3-7 Long List Cities (No.373-No.434: “abc” city name order)

Capital: National Capital City
 Others: CR: Capital Region City
 SMC: Second Large Mega City EQ: Earthquake
 NUT: Naypyitau Union Territory TS: Tsunami
 NCR: Philippines Capital Region FL: Flood
 CYW: Cyclone (Typhoon/Monsoon)-Wind
 CYS: Cyclone (Typhoon/Monsoon)-Surge
 IA: Major Industrial Area
 Infra: Key Regional Infrastructure

No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
373	MMR185	Myebon	20.047	93.374	137,193		8	10	4	6	4	0	0
374	MMR186	Myeik	12.441	98.610	284,489		2	4	8	0	0	2	0
375	MMR187	Myingyan	21.457	95.392	276,096		10	0	10	0	0	2	0
376	MMR188	Myinmu	21.925	95.576	106,986		10	0	10	0	0	0	0
377	MMR189	Myitkyina	25.387	97.390	317,604		10	0	8	8	0	0	0
378	MMR190	Myittha	21.424	96.131	195,629		10	0	8	0	0	0	0
379	MMR191	Myothit	20.199	95.447	159,511		8	0	6	0	0	0	0
380	MMR192	Namhkan	23.837	97.682	113,821		4	0	6	6	0	0	0
381	MMR193	Namhsan	22.964	97.161	72,204		4	0	0	0	0	0	0
382	MMR194	Namphan	22.603	99.098	116,180		8	0	0	0	0	0	0
383	MMR195	Namtu	23.094	97.400	50,423		4	0	8	0	0	0	0
384	MMR196	Nansang	20.889	97.720	116,961		6	0	0	0	0	0	0
385	MMR197	Nanyun	26.980	96.167	51,980		10	0	0	2	0	0	0
386	MMR198	Natmauk	20.353	95.400	206,996		8	0	6	0	0	0	0
387	MMR199	Natogyi	21.424	95.654	177,078		10	0	0	0	0	0	0
388	MMR200	Nattalin	18.428	95.547	172,141		6	0	0	8	0	0	0
389	MMR201	Nawngkhio	22.330	96.799	149,842		6	0	0	0	0	0	0
390	MMR202	Ngape	20.075	94.468	52,142		8	0	4	2	0	0	0
391	MMR203	Ngapudaw	16.545	94.692	324,479		6	10	2	6	2	0	0
392	MMR204	Ngazun	21.897	95.685	124,233		10	0	8	0	0	0	0
393	MMR205	Nogmung	27.505	97.818	7,123		8	0	4	0	0	0	0
394	MMR206	North Dagon Myothit-EY	16.878	96.191	203,948	2MC(Yangon)	6	8	8	10	2	3	2
395	MMR207	North Okkalapa-EY	16.919	96.163	333,293	2MC(Yangon)	6	2	0	8	2	3	2
396	MMR208	Nyaungdon	17.049	95.634	215,906		6	0	8	6	0	0	0
397	MMR209	Nyaunglebin	17.953	96.722	199,483		6	0	8	6	0	0	0
398	MMR210	Nyaungshwe	20.660	96.932	189,407		10	0	8	0	0	0	0
399	MMR211	Nyaung-U	21.195	94.910	239,947		8	0	10	0	0	0	0
400	MMR212	Okpho	18.130	95.672	126,662		6	0	6	8	0	0	0
401	MMR213	Oktwin	18.833	96.414	159,828		6	0	0	2	0	0	0
402	MMR214	Ottarathiri	19.891	96.043	81,620	Capital (NUT)	10	0	0	0	0	0	0
403	MMR215	Pabedan-WY	16.777	96.156	33,336	2MC(Yangon)	4	8	10	10	2	3	1
404	MMR216	Padaung	18.718	95.154	144,214		6	0	8	6	0	1	0
405	MMR217	Pakokku	21.335	95.082	290,139		8	0	0	0	0	0	0
406	MMR218	Palaw	12.975	98.646	129,992		2	2	2	0	0	0	0
407	MMR219	Pale	21.934	94.875	144,006		10	0	0	0	0	0	0
408	MMR220	Paletwa	21.304	92.855	97,053		8	0	4	6	0	0	0
409	MMR221	Pangsang	22.180	99.151	105,972		8	0	2	0	0	0	0
410	MMR222	Pangwaun	23.035	99.316	97,097		10	0	0	0	0	0	0
411	MMR223	Pantanaw	16.982	95.466	264,596		6	0	8	6	0	0	0
412	MMR224	Patheingyi	16.779	94.733	380,985		6	0	10	10	0	2	0
413	MMR225	Patheingyi	22.013	96.154	263,725		10	0	8	0	0	3	0
414	MMR226	Pauk	21.452	94.474	171,514		8	0	8	6	0	0	0
415	MMR227	Paukkhaung	18.903	95.548	124,856		6	0	0	6	0	0	0
416	MMR228	Pauktaw	20.181	93.068	145,957		8	10	2	8	4	1	0
417	MMR229	Paung	16.617	97.457	218,459		6	2	0	0	0	0	0
418	MMR230	Paungbyin	24.268	94.817	112,694		10	0	6	6	0	0	0
419	MMR231	Paungde	18.489	95.507	137,561		6	0	0	8	0	0	0
420	MMR232	Pazundaung-EY	16.780	96.174	48,455	2MC(Yangon)	4	8	10	10	2	3	1
421	MMR233	Pekon	19.863	97.008	103,590		8	0	2	0	0	0	0
422	MMR234	Pindaya	20.942	96.663	79,303		8	0	0	0	0	0	0
423	MMR235	Pinlaung	20.124	96.782	192,257		10	0	0	0	0	0	0
424	MMR236	Pinlebu	24.081	95.370	111,968		10	0	6	4	0	0	0
425	MMR237	Pobbathiri	19.806	96.183	116,491	Capital (NUT)	8	0	8	0	0	0	0
426	MMR238	Ponnagyun	20.332	93.004	129,753		8	10	2	6	4	2	0
427	MMR239	Putao	27.299	97.416	61,075		10	0	2	4	0	0	0
428	MMR240	Pwintbyu	20.363	94.669	163,692		8	0	8	0	0	1	0
429	MMR241	Pyapon	16.284	95.683	314,122		4	0	0	8	2	0	0
430	MMR242	Pyawbwe	20.595	96.051	260,293		10	0	4	0	0	0	0
431	MMR243	Pyay	18.822	95.221	251,643		6	0	8	8	0	2	0
432	MMR244	Pyigyidagun	21.902	96.104	237,698		10	0	6	0	0	3	0
433	MMR245	Pyinmana	19.736	96.209	187,565	Capital (NUT)	8	0	8	0	0	0	0
434	MMR246	Pyinoolwin	22.014	96.456	255,508		8	0	0	0	0	0	0

BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team

Table A3-8 Long List Cities (No.435-No.496: “abc” city name order)

Capital: National Capital City
 Others: CR: Capital Region City
 SMC: Second Large Mega City
 NUT: Naypyitau Union Territory
 NCR: Philippines Capital Region

EQ: Earthquake
 TS: Tsunami
 FL: Flood

CYW: Cyclone (Typhoon/Monsoon)-Wind
 CYS: Cyclone (Typhoon/Monsoon)-Surge
 IA: Major Industrial Area
 Infra: Key Regional Infrastructure

No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
435	MMR247	Pyu	18.484	96.436	257,273		8	0	6	6	0	0	0
436	MMR248	Ramree	19.092	93.862	97,891		6	10	0	4	2	0	0
437	MMR249	Rathedaung	20.488	92.754	111,974		8	10	0	8	4	0	0
438	MMR250	Sagaing	21.880	95.962	307,194		10	0	10	0	0	3	1
439	MMR251	Salin	20.577	94.659	236,033		8	0	6	0	0	1	0
440	MMR252	Salingyi	21.974	95.088	121,808		8	0	8	0	0	0	0
441	MMR253	Sanchaung-EY	16.804	96.137	99,619	2MC(Yangon)	4	8	10	10	2	3	1
442	MMR254	Saw	21.150	94.156	68,697		8	0	0	4	0	0	0
443	MMR255	Seikgyi Kanaungto-SY	16.758	96.116	34,003	2MC(Yangon)	4	8	10	10	2	1	1
444	MMR256	Seikkan-WY	16.770	96.155	2,826	2MC(Yangon)	4	8	10	10	2	3	1
445	MMR257	Seikphyu	20.907	94.792	102,769		8	0	10	0	0	0	0
446	MMR258	Shadaw	19.632	97.521	6,742		6	0	0	0	0	0	0
447	MMR259	Shwebo	22.570	95.698	266,807		10	0	0	0	0	0	0
448	MMR260	Shwedaung	18.705	95.214	121,671		6	0	10	8	0	1	0
449	MMR261	Shwegu	24.207	96.806	94,784		8	0	8	6	0	0	0
450	MMR262	Shwegyin	17.923	96.878	107,462		6	0	8	6	0	0	0
451	MMR263	Shwepyithar-NY	16.955	96.083	343,526		4	0	6	8	2	3	2
452	MMR264	Sidoktaya	20.447	94.246	47,526		8	0	0	4	0	0	0
453	MMR265	Sinbaungwe	19.727	95.166	117,844		6	0	6	0	0	0	0
454	MMR266	Singu	22.550	95.999	157,585		10	0	8	0	0	0	0
455	MMR267	Sintgaing	21.731	96.104	148,918		10	0	6	0	0	0	1
456	MMR268	Sittwe	20.137	92.886	147,899		8	10	0	10	4	0	0
457	MMR269	South Dagon Myothit=EY	16.840	96.226	371,646	2MC(Yangon)	6	4	8	10	2	3	1
458	MMR270	South Okkalapa-EY	16.846	96.180	161,126	2MC(Yangon)	4	8	8	10	2	3	2
459	MMR271	Sumpabum	26.544	97.568	2,546	2MC(Yangon)	10	0	0	0	0	0	0
460	MMR272	Tabayin	22.685	95.321	140,815		10	0	4	0	0	0	0
461	MMR273	Tachileik	20.453	99.884	177,313		4	0	6	0	0	0	0
462	MMR274	Tada-U	21.819	95.974	138,617		10	0	8	0	0	3	1
463	MMR275	Taikkyi-NY	17.313	95.963	277,268	2MC(Yangon)	6	0	4	8	0	0	0
464	MMR276	Tamu	24.211	94.315	114,869		10	0	0	6	0	0	0
465	MMR277	Tamwe-EY	16.810	96.176	165,313	2MC(Yangon)	4	8	10	10	2	3	1
466	MMR278	Tanai	26.358	96.717	60,019		10	0	6	6	0	0	0
467	MMR279	Tangyan	22.498	98.397	172,805		4	0	0	0	0	0	0
468	MMR280	Tanintharyi	12.087	99.011	106,853		2	0	4	0	0	0	0
469	MMR281	Tatkon	20.130	96.203	217,093	Capital	10	0	6	0	0	2	0
470	MMR282	Taungdwingyi	20.002	95.546	259,860		8	0	0	0	0	0	0
471	MMR283	Taunggyi	20.775	97.036	438,056		8	0	0	0	0	0	0
472	MMR284	Taungoo	18.940	96.433	262,056		6	0	8	0	0	0	0
473	MMR285	Taungtha	21.276	95.445	216,642		8	0	0	0	0	1	0
474	MMR286	Taze	22.944	95.374	165,110		10	0	6	0	0	0	0
475	MMR287	Tedim	23.371	93.656	87,623		10	0	0	6	0	0	0
476	MMR288	Thabaung	17.047	94.806	154,400		6	0	8	8	0	0	0
477	MMR289	Thabeikkyin	22.886	95.975	163,702		10	0	6	0	0	0	0
478	MMR290	Thaketa-EY	16.793	96.203	220,556	2MC(Yangon)	6	8	10	10	2	3	1
479	MMR291	Thanatpin	17.289	96.577	145,287		6	0	8	6	0	0	0
480	MMR292	Thanbyuzayat	15.967	97.733	170,536		4	2	0	0	0	0	0
481	MMR293	Thandaunggyi	19.073	96.675	96,052		8	0	0	0	0	0	0
482	MMR294	Thandwe	18.471	94.372	133,484		6	10	8	6	2	0	0
483	MMR295	Thanlyin-SY	16.764	96.252	268,063	2MC(Yangon)	6	4	2	8	2	3	2
484	MMR296	Thantlang	22.698	93.428	50,374		10	0	0	6	0	0	0
485	MMR297	Thaton	16.920	97.368	238,106		6	0	0	4	0	0	0
486	MMR298	Thayarwady	17.654	95.786	151,104		6	0	8	8	0	0	0
487	MMR299	Thayet	19.322	95.177	104,347		6	0	8	0	0	0	0
488	MMR300	Thayetchaung	13.867	98.265	105,662		2	10	0	0	0	0	0
489	MMR301	Thazi	20.850	96.058	202,680		10	0	6	0	0	1	0
490	MMR302	Thegon	18.647	95.417	130,957		6	0	6	6	0	0	0
491	MMR303	Thingangyun-EY	16.831	96.193	209,486	2MC(Yangon)	6	8	10	10	2	3	2
492	MMR304	Thongwa-SY	16.759	96.523	157,876	2MC(Yangon)	6	0	0	8	0	0	0
493	MMR305	Tigyain	23.755	96.148	129,955		10	0	8	6	0	0	0
494	MMR306	Tilin	21.696	94.093	48,866		8	0	2	6	0	0	0
495	MMR307	Tonzang	23.603	93.692	31,878		10	0	6	4	0	0	0
496	MMR308	Toungup	18.858	94.243	158,341		6	10	0	6	4	0	0

BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team

Table A3-9 Long List Cities (No.497-No.558: “abc” city name order)

Capital: National Capital City

Others: CR: Capital Region City

SMC: Second Large Mega City

NUT: Nanyipitau Union Territory

NCR: Philippines Capital Region

EQ: Earthquake

TS: Tsunami

FL: Flood

CYW: Cyclone (Typhoon/Monsoon)-Wind

CYS: Cyclone (Typhoon/Monsoon)-Surge

IA: Major Industrial Area

Infra: Key Regional Infrastructure

No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
497	MMR309	Twantay-SY	16.707	95.930	226,836	2MC(Yangon)	4	0	0	8	0	1	0
498	MMR310	Waingmaw	25.351	97.443	125,544		10	0	6	6	0	0	0
499	MMR311	Wakema	16.604	95.180	289,106		6	0	6	8	0	0	0
500	MMR312	Waw	17.477	96.682	176,014		6	0	8	6	0	0	0
501	MMR313	Wetlet	22.367	95.788	196,216		10	0	8	0	0	0	0
502	MMR314	Wundwin	21.097	96.030	229,760		10	0	0	0	0	1	0
503	MMR315	Wuntho	23.898	95.689	73,395		10	0	0	0	0	0	0
504	MMR316	Yamethin	20.431	96.137	258,091		10	0	4	0	0	0	0
505	MMR317	Yankin-EY	16.836	96.162	70,946	2MC(Yangon)	4	8	8	10	2	3	2
506	MMR318	Ye	15.252	97.854	263,624		4	2	6	0	0	0	0
507	MMR319	Yebyu	14.246	98.203	122,633		2	0	8	0	0	0	0
508	MMR320	Yedashe	19.157	96.342	213,593		6	0	4	0	0	0	0
509	MMR321	Yegyi	17.345	95.121	194,100		6	0	8	8	0	0	0
510	MMR322	Yenangyaung	20.458	94.873	134,227		8	0	10	0	0	0	0
511	MMR323	Yesagyo	21.633	95.242	215,352		8	0	8	0	0	0	0
512	MMR324	Ye-U	22.769	95.430	118,290		10	0	8	0	0	0	0
513	MMR325	Yinmabin	22.078	94.900	141,480		10	0	0	0	0	0	0
514	MMR326	Ywangan	21.163	96.442	82,532		8	0	0	0	0	0	2
515	MMR327	Zabuthir	19.764	96.061	110,459	Capital (NUT)	8	0	0	0	0	0	0
516	MMR328	Zalun	17.478	95.557	168,203		6	0	8	8	0	1	0
517	MMR329	Zeyarthiri	19.862	96.309	111,293	Capital (NUT)	8	0	0	0	0	0	0
518	MMR330	Zigon	18.338	95.623	67,523		6	0	0	8	0	0	0
519	PHL01	Alaminos	16.155	119.980	85,025		8	4	0	6	6	2	0
520	PHL02	Angeles city	15.145	120.589	326,336		10	0	8	8	0	3	2
521	PHL03	Antipolo	14.590	121.170	677,741		10	0	0	8	0	2	1
522	PHL04	Bacolod city	10.630	122.970	511,820		8	0	0	8	0	0	1
523	PHL05	Bacoar city	14.413	120.974	520,216		10	10	0	8	0	3	1
524	PHL06	Bago city	10.490	122.989	163,045		8	0	0	6	0	0	0
525	PHL07	Baguio city	16.415	120.589	318,676		8	0	0	8	0	2	0
526	PHL08	Bais city	9.592	123.123	74,722		8	0	0	4	0	0	0
527	PHL09	Balanga	14.679	120.541	87,920		10	10	8	8	0	1	0
528	PHL10	Batac	18.056	120.564	53,542		8	2	0	8	2	0	1
529	PHL11	Batangas city	13.756	121.058	305,607		10	10	0	8	0	3	2
530	PHL12	Bayawan	9.363	122.806	114,074		8	0	0	4	0	0	0
531	PHL13	Baybay	10.674	124.804	102,841		10	0	0	6	0	0	0
532	PHL14	Bayugan	8.716	125.755	99,361		10	0	0	4	0	0	0
533	PHL15	Binan	14.333	121.082	283,396		10	0	0	8	0	3	1
534	PHL16	Bislig	8.187	126.354	96,578		10	4	0	6	0	0	0
535	PHL17	Bogo	11.048	124.004	69,911		6	0	0	4	0	0	0
536	PHL18	Borongan	11.609	125.436	64,457		10	2	0	6	0	0	0
537	PHL19	Butuan city	8.948	125.541	309,709		10	4	8	6	2	0	0
538	PHL20	Cabadbaran	9.122	125.533	69,241		10	4	4	6	2	2	0
539	PHL21	Cabanatuan city	15.487	120.973	272,676		10	0	10	8	0	0	0
540	PHL22	Cabuyao city	14.251	121.134	248,436		10	0	8	10	0	3	0
541	PHL23	Cadiz city	10.953	123.275	151,500		8	0	0	6	0	0	0
542	PHL24	Cagayan de oro city	8.485	124.651	602,088		8	0	8	6	0	1	2
543	PHL25	Calamba	14.206	121.156	389,377		10	0	0	8	0	3	0
544	PHL26	Calapan	13.413	121.178	124,173		10	10	6	8	0	0	0
545	PHL27	Calbayog city	12.069	124.596	172,778		10	0	0	6	0	0	0
546	PHL28	Caloocan city	14.757	121.042	1,489,040	CR (NCR)	10	8	0	10	0	3	1
547	PHL29	Candon	17.191	120.448	57,884		10	2	2	8	2	0	0
548	PHL30	Canlaon city	10.387	123.219	50,627		6	0	0	6	0	0	0
549	PHL31	Carcar	10.104	123.640	107,323		6	0	0	6	0	1	0
550	PHL32	Catbalogan	11.778	124.883	94,317		10	0	0	8	0	0	0
551	PHL33	Cauayan	16.936	121.766	122,335		4	0	8	8	0	0	0
552	PHL34	Cavite city	14.479	120.897	101,120		10	10	10	8	0	3	1
553	PHL35	Cebu city	10.320	123.900	866,171		8	0	0	8	0	3	3
554	PHL36	Cotabato city	7.222	124.252	271,786		8	0	8	4	0	0	0
555	PHL37	Dagupan city	16.043	120.333	163,676		8	10	8	6	2	0	0
556	PHL38	Danao city	10.520	124.027	119,252		8	0	0	6	0	1	0
557	PHL39	Dapitan city	8.651	123.421	77,441		8	0	0	2	0	0	0
558	PHL40	Dasmariñas	14.315	120.966	575,817		10	0	0	8	0	3	0

BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team

Table A3-10 Long List Cities (No.559-No.620: “abc” city name order)

Capital: National Capital City

Others: CR: Capital Region City

SMC: Second Large Mega City

NUT: Naypyitau Union Territory

NCR: Philippines Capital Region

EQ: Earthquake

TS: Tsunami

FL: Flood

CYW: Cyclone (Typhoon/Monsoon)-Wind

CYS: Cyclone (Typhoon/Monsoon)-Surge

IA: Major Industrial Area

Infra: Key Regional Infrastructure

No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
559	PHL41	Davao city	7.110	125.630	1,449,296		10	2	8	6	0	3	3
560	PHL42	Digos	6.750	125.355	149,891		10	8	0	4	0	0	0
561	PHL43	Dipolog city	8.587	123.340	120,460		8	0	0	4	0	0	0
562	PHL44	Dumaguete city	9.307	123.305	120,883		6	0	0	6	0	0	0
563	PHL45	El salvador	8.559	124.517	44,848		8	0	0	4	0	0	2
564	PHL46	Escalante	10.841	123.499	93,005		6	0	0	6	0	0	0
565	PHL47	Gapan	15.308	120.946	101,488		10	0	0	8	0	0	0
566	PHL48	General santos city	6.110	125.179	538,086		8	0	8	6	0	0	3
567	PHL49	Gingoog city	8.824	125.102	117,908		10	4	0	4	0	0	0
568	PHL50	Guihulungan	10.118	123.270	93,675		6	0	0	4	0	0	0
569	PHL51	Himamaylan	10.097	122.870	103,006		8	0	0	4	0	0	0
570	PHL52	Ilagan city	8.229	124.241	135,174		8	0	2	6	0	0	0
571	PHL53	Iligan city	8.229	124.241	322,821		8	0	2	6	0	0	0
572	PHL54	Iloilo city	10.697	122.569	424,619		8	0	0	8	0	0	2
573	PHL55	Imus city	14.406	120.939	301,624		10	10	0	8	0	3	1
574	PHL56	Iriga city	13.421	123.410	105,919		10	0	8	8	0	1	0
575	PHL57	Isabela	10.204	122.988	97,857		8	0	6	6	0	0	0
576	PHL58	Kabankalan	9.992	122.812	167,666		8	0	8	4	0	0	0
577	PHL59	Kidapawan	7.011	125.091	125,447		10	0	0	4	0	0	0
578	PHL60	Koronadal	6.500	124.844	158,273		8	0	0	4	0	0	0
579	PHL61	La carlota city	10.425	122.921	63,852		8	0	0	6	0	0	0
580	PHL62	Lamitan	6.661	122.138	68,996		8	0	0	0	0	0	0
581	PHL63	Laoag city	18.200	120.590	104,904		8	2	8	8	2	0	2
582	PHL64	Lapu-lapu city	10.321	123.970	350,467		8	0	0	8	0	3	3
583	PHL65	Las pinas	14.444	120.993	552,573	CR (NCR)	10	10	10	10	0	3	2
584	PHL66	Legazpi city	13.147	123.754	182,201		10	0	8	8	0	0	2
585	PHL67	Ligao	13.242	123.537	104,914		10	0	0	8	0	0	1
586	PHL68	Lipa city	13.941	121.160	283,468		10	0	2	8	0	3	0
587	PHL69	Lucena city	13.941	121.623	246,392		10	10	0	8	0	0	0
588	PHL70	Maasin	10.134	124.846	81,250		10	2	0	6	0	0	0
589	PHL71	Mabalacat city	15.220	120.574	215,610		10	0	8	8	0	3	2
590	PHL72	Makati	14.555	121.024	529,039	CR (NCR)	10	10	10	10	0	3	3
591	PHL73	Malabon	14.670	120.964	353,337	CR (NCR)	10	10	10	10	0	3	2
592	PHL74	Malaybalay	8.155	125.128	153,085		10	0	0	4	0	0	0
593	PHL75	Malolos	14.850	120.810	234,945		10	10	10	8	0	3	0
594	PHL76	Mandaluyong	14.579	121.036	328,699	CR (NCR)	10	10	10	10	0	3	3
595	PHL77	Mandaue city	10.330	123.930	331,320		8	0	0	8	0	3	3
596	PHL78	Manila	14.620	120.970	1,652,171	Capital	10	10	10	10	0	3	2
597	PHL79	Marawi city	8.000	124.290	187,106		8	0	8	4	0	0	0
598	PHL80	Marikina	14.650	121.103	424,150	CR (NCR)	10	2	0	10	0	2	1
599	PHL81	Masbate	12.369	123.619	85,227		10	0	0	6	0	0	0
600	PHL82	Mati	6.952	126.218	126,143		10	2	0	6	0	0	0
601	PHL83	Meycauayan	14.749	120.973	199,154		10	10	10	10	0	3	1
602	PHL84	Muntinlupa	14.410	121.047	459,941	CR (NCR)	10	4	8	8	0	3	1
603	PHL85	Muñoz-science city	15.714	120.903	75,462		8	0	4	8	0	0	0
604	PHL86	Naga (cebu)	13.622	123.194	101,571		10	0	10	10	0	1	0
605	PHL87	Naga city (bicol)	10.208	123.758	174,931		6	0	0	6	0	2	1
606	PHL88	Navotas	14.667	120.941	249,131	CR (NCR)	10	10	10	10	0	3	2
607	PHL89	Olongapo city	14.820	120.280	221,178		10	10	8	8	0	3	3
608	PHL90	Ormoc city	11.006	124.608	191,200		10	0	0	8	0	1	0
609	PHL91	Oroquieta city	8.484	123.806	68,945		8	0	0	4	0	0	0
610	PHL92	Ozamis city	8.149	123.850	131,527		8	0	0	4	0	0	0
611	PHL93	Pagadian city	7.823	123.438	186,852		8	0	0	4	0	0	0
612	PHL94	Palayan city	15.583	121.116	37,219		8	0	6	6	0	0	0
613	PHL95	Panabo	7.308	125.683	174,364		10	8	4	6	0	1	1
614	PHL96	Paranaque	14.477	121.020	588,126	CR (NCR)	10	10	6	10	0	3	2
615	PHL97	Pasay city	14.536	121.001	392,869	CR (NCR)	10	10	10	10	0	3	3
616	PHL98	Pasig	14.576	121.086	669,773	CR (NCR)	10	4	8	10	0	3	2
617	PHL99	Passi	11.107	122.643	79,663		8	0	0	6	0	0	0
618	PHL100	Pateros	14.542	121.064	6,417	CR (NCR)	10	10	10	10	0	3	2
619	PHL101	Puerto princesa city	9.741	118.737	222,673		4	0	0	0	0	0	2
620	PHL102	Quezon city	14.674	121.044	2,761,720	CR (NCR)	10	6	10	10	0	3	1

BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team

Table A3-11 Long List Cities (No.621-No.682: “abc” city name order)

Capital: National Capital City
 Others: CR: Capital Region City
 SMC: Second Large Mega City EQ: Earthquake
 NUT: Naypyitau Union Territory TS: Tsunami
 NCR: Philippines Capital Region FL: Flood
 CYW: Cyclone (Typhoon/Monsoon)-Wind
 CYS: Cyclone (Typhoon/Monsoon)-Surge
 IA: Major Industrial Area
 Infra: Key Regional Infrastructure

No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
621	PHL103	Roxas city	11.583	122.750	156,197		8	0	6	6	0	0	0
622	PHL104	Sagay city	10.944	123.425	140,740		6	0	0	4	0	0	0
623	PHL105	Samal	14.769	120.543	95,874		10	10	8	8	0	2	0
624	PHL106	San carlos city (Ilocos)	15.927	120.348	175,103		8	0	8	8	2	0	0
625	PHL107	San carlos city (NegroOc)	10.483	123.421	129,981		6	0	0	4	0	0	0
626	PHL108	San fernando (C Luzon)	16.616	120.317	285,912		10	2	6	8	2	2	0
627	PHL109	San fernando (Ilocos)	15.030	120.690	114,963		10	0	10	8	0	2	0
628	PHL110	San jose city	10.749	121.941	129,424		8	0	0	6	0	0	0
629	PHL111	San jose del monte	14.814	121.045	454,553		10	0	0	10	0	3	0
630	PHL112	San juan	14.600	121.037	121,430	CR (NCR)	10	10	10	10	0	3	3
631	PHL113	San pablo city	14.064	121.323	248,890		10	0	8	8	0	1	0
632	PHL114	San pedro	14.350	121.038	294,310		10	0	8	8	0	3	1
633	PHL115	Santa rosa	14.285	121.088	284,670		10	0	8	10	0	3	0
634	PHL116	Santiago	16.689	121.547	132,804		4	0	8	8	0	0	0
635	PHL117	Silay city	10.798	122.975	120,999		8	0	0	6	0	0	2
636	PHL118	Sipalay	9.749	122.403	67,403		8	0	0	2	0	0	0
637	PHL119	Sorsogon	12.970	124.005	155,144		10	0	0	8	0	0	0
638	PHL120	Surigao city	9.789	125.492	140,540		10	4	0	6	2	1	0
639	PHL121	Tabaco	13.359	123.729	125,083		10	0	0	8	0	0	0
640	PHL122	Tabuk	17.414	121.441	103,912		10	0	2	6	0	0	0
641	PHL123	Tacloban city	11.249	125.002	221,174		10	4	0	8	0	2	0
642	PHL124	Tacurong	6.682	124.677	89,188		8	0	0	4	0	0	0
643	PHL125	Tagaytay city	14.115	120.962	62,030		10	0	0	6	0	1	0
644	PHL126	Tagbilaran city	9.643	123.856	96,792		6	0	0	6	0	0	0
645	PHL127	Taguig city	14.517	121.053	644,473	CR (NCR)	10	10	10	10	0	3	2
646	PHL128	Tagum	7.448	125.809	242,801		10	2	4	6	0	0	0
647	PHL129	Talisay (negros oriental)	10.740	122.970	97,571		8	0	0	8	0	0	2
648	PHL130	Talisay (sebu)	10.245	123.840	200,772		6	0	0	6	0	2	2
649	PHL131	Tanauan	14.084	121.150	152,393		10	0	0	8	0	3	0
650	PHL132	Tandag	9.074	126.195	52,114		10	6	6	4	2	0	0
651	PHL133	Tangub city	8.063	123.749	59,892		8	0	0	4	0	0	0
652	PHL134	Tanjay	9.517	123.157	79,098		8	0	0	4	0	0	0
653	PHL135	Tarlac	15.485	120.591	318,332		8	0	8	8	0	3	0
654	PHL136	Tayabas	14.025	121.596	91,428		10	0	0	8	0	0	0
655	PHL137	Toledo city	10.380	123.640	157,078		6	0	0	6	0	1	0
656	PHL138	Trece martires city	14.282	120.868	104,559		10	0	0	8	0	3	0
657	PHL139	Tuguegarao city	17.613	121.725	138,865		8	0	10	8	0	0	0
658	PHL140	Urdaneta	15.980	120.570	125,451		8	0	8	8	0	0	0
659	PHL141	Valencia	7.905	125.091	181,556		10	0	6	4	0	0	0
660	PHL142	Valenzuela	14.702	120.979	575,356	CR (NCR)	10	10	10	10	0	3	1
661	PHL143	Victorias	10.902	123.072	88,299		8	0	0	6	0	0	1
662	PHL144	Vigan	17.571	120.387	49,747		10	10	6	8	8	0	0
663	PHL145	Zamboanga city	6.920	122.080	807,129		8	0	0	0	0	1	3
664	SGP01	Ang Mo Kio	1.370	103.846	174,770		4	0	0	0	0	3	2
665	SGP02	Bedok	1.325	103.927	289,750		4	0	0	0	0	3	2
666	SGP03	Bishan	1.351	103.848	90,700		4	0	0	0	0	3	3
667	SGP04	Boon Lay	1.339	103.706	30		4	0	0	0	0	3	1
668	SGP05	Bukit Batok	1.359	103.764	139,270		4	0	0	0	0	3	2
669	SGP06	Bukit Merah	1.282	103.823	155,840		4	0	0	0	0	3	3
670	SGP07	Bukit Panjang	1.377	103.771	139,030		4	0	0	0	0	3	2
671	SGP08	Bukit Timah	1.329	103.802	74,470		4	0	0	0	0	3	3
672	SGP09	Central Water Catchment	1.358	103.799	10		4	0	0	0	0	3	3
673	SGP10	Changi	1.346	103.983	2,530		4	0	0	0	0	3	2
674	SGP11	Choa Chu Kang	1.384	103.747	174,330		4	0	0	0	0	3	2
675	SGP12	Clementi	1.317	103.765	91,630		4	0	0	0	0	3	3
676	SGP13	Downtown Core	1.286	103.853	3,720		4	0	0	0	0	3	3
677	SGP14	Geylang	1.320	103.891	116,960		4	0	0	0	0	3	3
678	SGP15	Hougang	1.360	103.886	222,310		4	0	0	0	0	3	2
679	SGP16	Jurong East	1.308	103.733	84,980		4	0	0	0	0	3	3
680	SGP17	Jurong West	1.341	103.708	272,660		4	0	0	0	0	3	1
681	SGP18	Kallang	1.313	103.864	101,210		4	0	0	0	0	3	3
682	SGP19	Lim Chu Kang	1.430	103.717	90		2	0	0	0	0	3	2

BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team

Table A3-12 Long List Cities (No.683-No.744: “abc” city name order)

Capital: National Capital City

Others: CR: Capital Region City

SMC: Second Large Mega City EQ: Earthquake

NUT: Nanyitau Union Territory TS: Tsunami

NCR: Philippines Capital Region FL: Flood

CYW: Cyclone (Typhoon/Monsoon)-Wind

CYS: Cyclone (Typhoon/Monsoon)-Surge

IA: Major Industrial Area

Infra: Key Regional Infrastructure

No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
683	SGP20	Mandai	1.427	103.824	2,120		4	0	0	0	0	3	2
684	SGP21	Marine Parade	1.302	103.897	48,730		4	0	0	0	0	3	2
685	SGP22	Museum	1.296	103.848	380		4	0	0	0	0	3	3
686	SGP23	Newton	1.308	103.840	6,920		4	0	0	0	0	3	3
687	SGP24	North-Eastern Islands	1.406	104.032	60		4	0	0	0	0	3	2
688	SGP25	Novena	1.321	103.842	47,990		4	0	0	0	0	3	3
689	SGP26	Orchard	1.305	103.833	920		4	0	0	0	0	3	3
690	SGP27	Outram	1.282	103.842	22,080		4	0	0	0	0	3	3
691	SGP28	Pasir Ris	1.372	103.949	139,890		4	0	0	0	0	3	2
692	SGP29	Paya Lebar	1.351	103.899	40		4	0	0	0	0	3	3
693	SGP30	Pioneer	1.317	103.676	100		2	0	0	0	0	3	1
694	SGP31	Punggol	1.400	103.907	109,750		4	0	0	0	0	3	2
695	SGP32	Queenstown	1.297	103.789	98,050		4	0	0	0	0	3	3
696	SGP33	River Valley	1.296	103.836	9,190		4	0	0	0	0	3	3
697	SGP34	Rochor	1.305	103.851	14,590		4	0	0	0	0	3	3
698	SGP35	Seletar	1.419	103.866	270		4	0	0	0	0	3	2
699	SGP36	Sembawang	1.450	103.819	76,530		4	0	0	0	0	3	2
700	SGP37	Sengkang	1.390	103.894	206,680		4	0	0	0	0	3	2
701	SGP38	Serangoon	1.364	103.866	120,670		4	0	0	0	0	3	2
702	SGP39	Singapore River	1.288	103.846	2,720		4	0	0	0	0	3	3
703	SGP40	Southern Islands	1.254	103.820	1,480		4	0	0	0	0	3	2
704	SGP41	Sungei Kadut	1.407	103.757	850		2	0	0	0	0	3	3
705	SGP42	Tampines	1.350	103.955	261,230		4	0	0	0	0	3	2
706	SGP43	Tanglin	1.308	103.822	19,000		4	0	0	0	0	3	3
707	SGP44	Tengah	1.354	103.731	10		4	0	0	0	0	3	2
708	SGP45	Toa Payoh	1.335	103.856	124,940		4	0	0	0	0	3	3
709	SGP46	Tuas	1.295	103.630	70		2	0	0	0	0	3	1
710	SGP47	Western Water Catchment	1.392	103.690	900		2	0	0	0	0	3	2
711	SGP48	Woodlands	1.439	103.789	250,290		2	0	0	0	0	3	3
712	SGP49	Yishun	1.429	103.836	201,970		4	0	0	0	0	3	2
713	THA01	Angsila	13.324	100.930	291,721		2	0	4	0	0	1	0
714	THA02	Ban Suan	13.356	100.999	60,797		2	0	0	0	0	2	0
715	THA03	Bang Mueang	13.623	100.601	92,286		2	0	10	0	0	3	2
716	THA04	Bang Pu	13.507	100.743	104,922		2	0	6	0	0	3	1
717	THA05	Bangkok	13.756	100.502	5,782,159	Capital	2	0	10	0	0	3	2
718	THA06	Chao Phraya Surasak	13.154	100.991	109,983		2	0	0	0	0	3	1
719	THA07	Chiang Mai	18.800	98.980	174,235		2	0	8	0	0	0	2
720	THA08	Chiang Rai	19.910	99.830	64,817		4	0	8	0	0	0	2
721	THA09	Dan Samrong	13.659	100.583	53,911		2	0	10	0	0	3	2
722	THA10	Hat Yai	7.000	100.470	157,467		2	0	6	0	0	1	1
723	THA11	Khelang Nakhon	13.761	101.023	60,646		2	0	8	0	0	2	0
724	THA12	Khet Udomsakdi	12.628	100.928	53,107		2	0	0	0	0	1	2
725	THA13	Khon Kaen	16.420	102.830	129,581		2	0	6	0	0	2	0
726	THA14	Koh Samui	9.523	100.056	60,781		2	0	0	0	0	0	2
727	THA15	Laem Chabang	13.104	100.916	69,202		2	0	0	0	0	3	2
728	THA16	Lampang	18.287	99.500	69,226		2	0	6	0	0	0	0
729	THA17	Lat Luang	14.170	100.358	73,196		4	0	8	0	0	0	0
730	THA18	Mae Sot	16.712	98.575	52,350		6	0	6	0	0	1	0
731	THA19	Nakhon Pathom	13.820	100.060	93,088		4	0	4	0	0	0	0
732	THA20	Nakhon Ratchasima	14.974	102.084	174,332		2	0	8	0	0	2	0
733	THA21	Nakhon Sawan	15.699	100.120	95,237		4	0	8	0	0	2	0
734	THA22	Nakhon Si Ayutthaya	14.342	100.552	60,919		2	0	10	0	0	2	0
735	THA23	Nonthaburi	13.859	100.521	270,609		2	0	10	0	0	1	1
736	THA24	Om Noi	13.706	100.299	51,455		2	0	8	0	0	1	0
737	THA25	Pak Kret	13.911	100.499	152,881		2	0	10	0	0	2	0
738	THA26	Pak Phanang	8.348	100.200	85,487		2	0	4	0	0	0	0
739	THA27	Pathum Thani	14.020	100.524	154,412		2	0	8	0	0	3	0
740	THA28	Pattaya City	12.926	100.876	84,727		2	0	0	0	0	1	1
741	THA29	Phitsanulok	16.820	100.270	89,480		2	0	8	0	0	0	0
742	THA30	Phuket City	7.877	98.394	72,380		2	2	0	0	0	0	0
743	THA31	Puchao Saming Phrai	13.646	100.578	77,976		2	0	10	0	0	2	2
744	THA32	Rangsit	13.988	100.616	77,661		2	0	8	0	0	3	0

BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team

Table A3-13 Long List Cities (No.745-No.806: “abc” city name order)

Capital: National Capital City
 Others: CR: Capital Region City
 SMC: Second Large Mega City
 NUT: Naypyitau Union Territory
 NCR: Philippines Capital Region
 EQ: Earthquake
 TS: Tsunami
 FL: Flood
 CYW: Cyclone (Typhoon/Monsoon)-Wind
 CYS: Cyclone (Typhoon/Monsoon)-Surge
 IA: Major Industrial Area
 Infra: Key Regional Infrastructure

No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
745	THA33	Ranot	7.778	100.322	62,220		2	0	6	0	0	0	0
746	THA34	Rayong	12.680	101.280	56,010		2	0	8	0	0	1	0
747	THA35	Sakon Nakhon	17.161	104.148	51,245		2	0	6	4	0	0	0
748	THA36	Samut Prakan	13.595	100.607	72,343		2	0	10	0	0	2	1
749	THA37	Samut Sakhon	13.550	100.275	58,826		4	0	8	0	0	3	0
750	THA38	Saraburi	14.519	100.899	67,858		6	0	6	0	0	2	0
751	THA39	Surat Thani	9.140	99.330	78,359		2	0	8	0	0	0	1
752	THA40	Trang	7.560	99.610	63,433		2	0	6	0	0	0	0
753	THA41	Ubon Ratchathani	15.236	104.855	105,081		2	0	10	0	0	0	0
754	THA42	Udon Thani	17.410	102.790	155,339		2	0	4	0	0	2	2
755	THA43	Wiang Sa	18.570	100.751	67,861		6	0	6	0	0	0	0
756	THA44	Yala	6.550	101.290	77,045		2	0	8	0	0	0	0
757	VNM01	Anh Khe	13.953	108.661	63,118		2	0	6	4	0	0	0
758	VNM02	Bắc Giang	21.280	106.190	66,678		2	0	10	6	0	3	0
759	VNM03	Bạc Liêu	9.288	105.722	109,529		2	10	8	0	0	0	0
760	VNM04	Bắc Ninh	21.177	106.063	96,408		2	0	8	6	0	3	0
761	VNM05	Bảo Lộc	11.544	107.812	92,036		2	0	0	4	0	2	0
762	VNM06	Bến Tre	10.241	106.376	61,968		2	0	8	0	0	3	0
763	VNM07	Biên Hòa	10.950	106.820	652,646		2	0	8	4	0	3	0
764	VNM08	Buôn Ma Thuột (12.680	108.040	211,891		2	0	0	6	0	1	0
765	VNM09	Cà Mau	9.180	105.150	129,896		2	0	10	0	0	2	0
766	VNM10	Cam Ranh	11.914	109.137	85,507		2	6	8	4	2	0	0
767	VNM11	Cần Thơ	10.030	105.780	731,545		2	0	10	0	0	3	2
768	VNM12	Cao Lãnh	10.455	105.634	91,218		2	0	10	0	0	2	0
769	VNM13	Đà Lạt	11.960	108.440	184,755		2	0	8	6	0	0	0
770	VNM14	Đà Nẵng	16.070	108.210	770,911		2	6	8	8	2	3	3
771	VNM15	Điện Biên Phủ	21.392	103.016	46,362		6	0	8	0	0	0	0
772	VNM16	Đồng Hà	16.814	107.101	81,951		2	0	8	6	2	2	0
773	VNM17	Đồng Hới	17.470	106.620	76,058		2	8	10	6	2	2	0
774	VNM18	Hà Giang	22.830	104.988	34,486		2	0	8	0	0	2	0
775	VNM19	Hà Long	20.970	107.080	201,990		2	0	6	6	2	3	2
776	VNM20	Hà Nội	21.030	105.840	2,316,772	Capital	2	0	10	8	0	3	1
777	VNM21	Hà Tĩnh	18.340	105.903	63,415		2	8	8	6	2	0	0
778	VNM22	Hải Dương	20.947	106.329	170,420		2	0	8	8	0	3	0
779	VNM23	Hải Phòng	20.860	106.680	769,739		2	0	10	8	2	3	2
780	VNM24	Hòa Bình	20.829	105.338	65,377		4	0	10	6	0	0	0
781	VNM25	Hội An	15.880	108.340	69,222		2	8	10	6	2	2	0
782	VNM26	Huế	16.480	107.580	302,983		2	6	10	8	2	1	0
783	VNM27	Hưng Yên	20.655	106.058	48,019		2	0	10	6	0	1	0
784	VNM28	Kon Tum	14.355	108.007	86,362		2	0	8	4	0	2	0
785	VNM29	Lạng Sơn	21.860	106.760	65,754		2	0	8	6	0	0	0
786	VNM30	Lào Cai	22.496	103.968	76,836		4	0	8	0	0	0	0
787	VNM31	Long Xuyên	10.390	105.430	245,699		2	0	10	0	0	2	0
788	VNM32	Móng Cái	21.531	107.963	48,986		2	0	6	6	2	2	0
789	VNM33	Mỹ Tho	10.360	106.360	130,081		2	0	10	0	0	3	0
790	VNM34	Nam Định	20.430	106.170	193,768		4	0	10	6	0	3	0
791	VNM35	Nha Trang	12.250	109.190	292,693		2	6	10	6	2	1	0
792	VNM36	Ninh Bình	20.251	105.974	92,111		4	0	8	6	0	1	0
793	VNM37	Phan Rang Tháp Chàm	11.576	108.991	152,906		2	6	8	6	0	1	0
794	VNM38	Phan Thiết	10.930	108.110	189,619		2	2	8	6	2	2	0
795	VNM39	Phố Hồ Chí Minh	10.780	106.690	5,880,615	2MC	2	0	10	8	0	3	3
796	VNM40	Phủ Lý	20.540	105.920	40,139		4	0	8	6	0	3	0
797	VNM41	Pleiku	13.972	108.015	162,051		2	0	0	6	0	2	0
798	VNM42	Quảng Ngãi	15.120	108.810	95,537		2	10	8	6	2	3	0
799	VNM43	Qui Nhơn	13.783	109.220	255,463		2	10	10	6	2	3	0
800	VNM44	Rạch Giá	10.011	105.086	210,784		2	8	10	0	0	0	0
801	VNM45	Sóc Trăng	9.602	105.974	136,018		2	0	10	0	0	2	0
802	VNM46	Sơn La	21.327	103.914	56,848		6	0	0	4	0	0	0
803	VNM47	Tam Kỳ	15.565	108.481	81,396		2	6	6	6	0	1	0
804	VNM48	Tân An	10.540	106.410	98,157		2	0	8	0	0	2	0
805	VNM49	Thái Bình	20.450	106.340	106,915		2	0	6	6	0	3	0
806	VNM50	Thái Nguyên	21.592	105.834	199,732		2	0	10	6	0	1	0

BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team

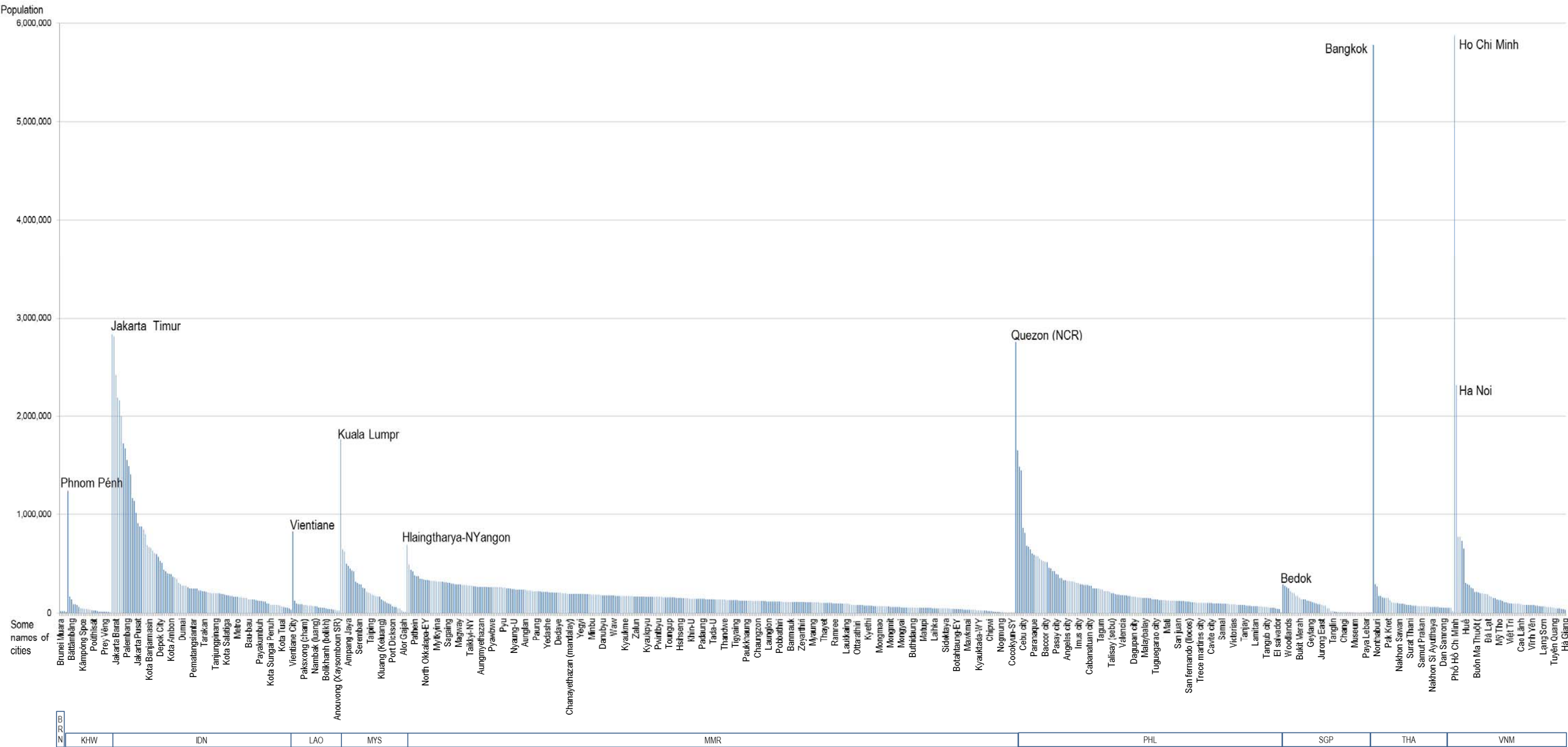
Table A3-14 Long List Cities (No.807-No.817: “abc” city name order)

Capital: National Capital City
 Others: CR: Capital Region City
 SMC: Second Large Mega City
 NUT: Naypyitau Union Territory
 NCR: Philippines Capital Region
 EQ: Earthquake
 TS: Tsunami
 FL: Flood
 CYW: Cyclone (Typhoon/Monsoon)-Wind
 CYS: Cyclone (Typhoon/Monsoon)-Surge
 IA: Major Industrial Area
 Infra: Key Regional Infrastructure

No.	Code	Name	latitude	longitude	Population	Capital /Others	Natural Hazard					Exposure	
							EQ	TS	FL	CYW	CYS	IA	Infra
807	VNM51	Thanh Hóa	19.810	105.780	147,559		4	0	8	6	2	2	0
808	VNM52	Trà Vinh	9.940	106.340	81,549		2	0	8	0	0	2	0
809	VNM53	Tuy Hoà	13.090	109.300	122,838		2	8	8	6	2	1	0
810	VNM54	Tuyên Quang	21.820	105.210	52,927		2	0	8	6	0	1	0
811	VNM55	Vị Thanh	9.778	105.466	41,713		2	0	10	0	0	0	0
812	VNM56	Việt Trì	21.304	105.415	99,147		2	0	8	4	0	2	0
813	VNM57	Vinh	18.665	105.690	215,577		2	2	10	6	2	2	0
814	VNM58	Vinh Long	10.250	105.970	103,067		2	0	10	0	0	3	0
815	VNM59	Vinh Yên	21.320	105.610	79,547		2	0	6	6	0	3	0
816	VNM60	Vũng Tàu	10.350	107.080	282,415		2	2	8	4	0	2	0
817	VNM61	Yên Bái	21.710	104.870	78,016		2	0	8	6	0	0	0

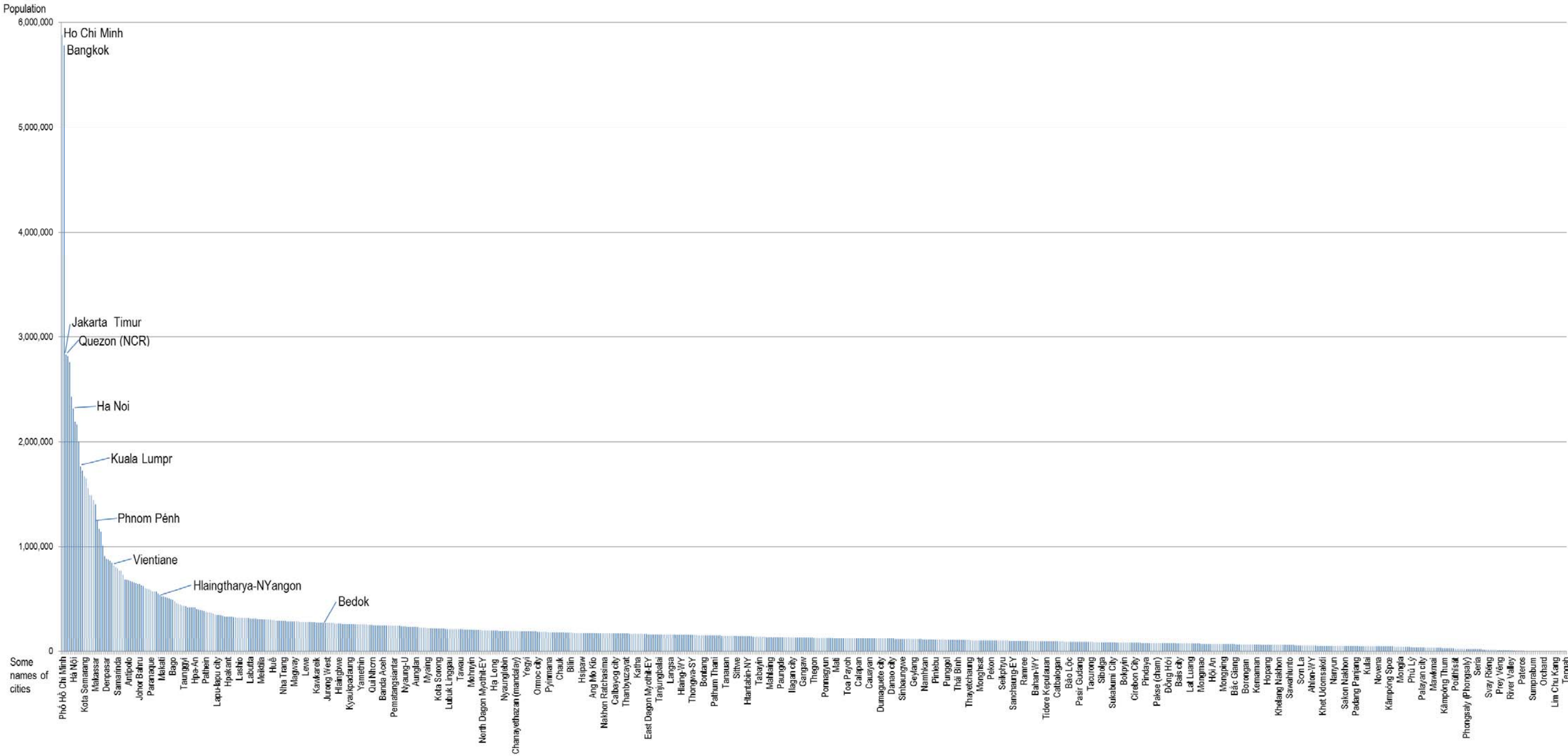
BRN: Brunei Darussalam, KHM: Cambodia, IDN: Indonesia, LAO: Lao PDR, MYS: Malaysia, MMR: Myanmar, PHL: Philippines, SGP: Singapore, THA: Thailand, VNM: Viet Nam

Source: JICA Project Team



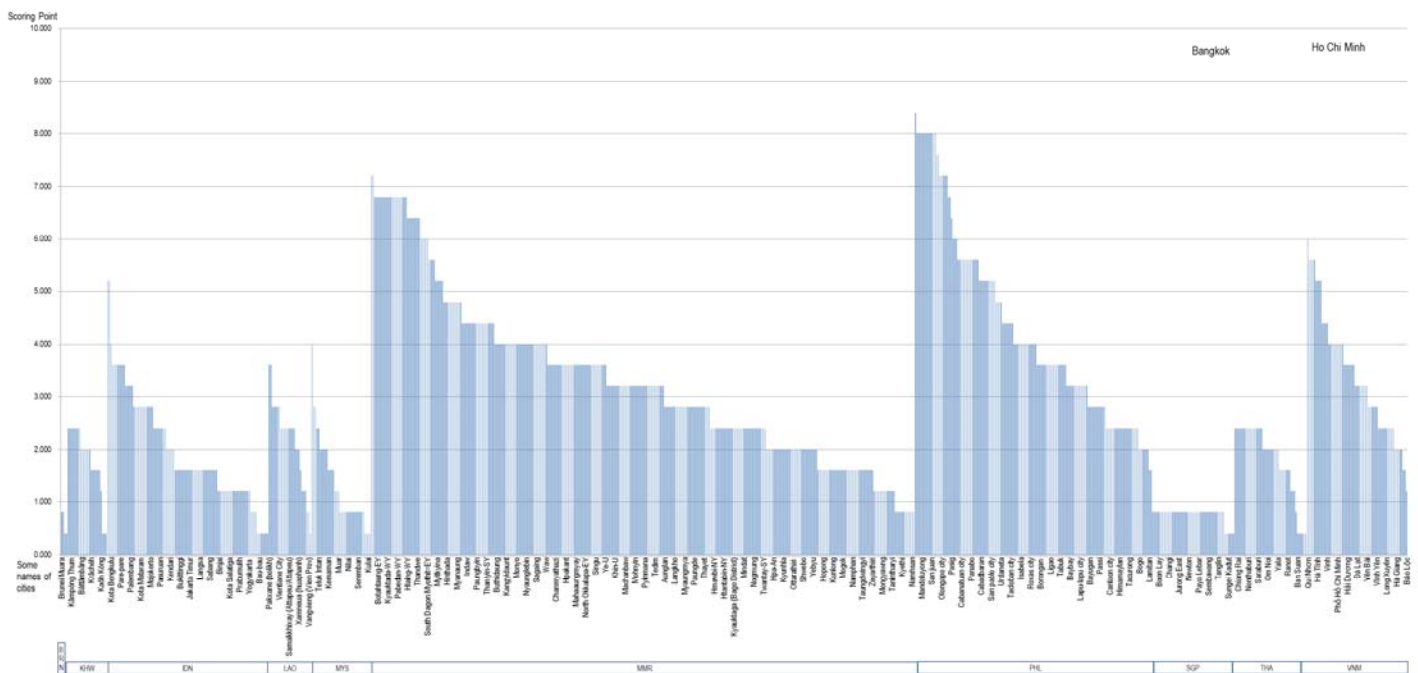
Source: JICA Project Team

Figure A3-1 Distribution of Long List Cities by Order in Number of Population within each ASEAN Member of States



Source: JICA Project Team

Figure A3-2 Distribution of Long List Cities by Order in Number of Population for Whole ASEAN Member of States



Source: JICA Project Team

Figure A3-3 Distribution of Long List Cities by Order of Ranking for Potential Hazard Intensity (Earthquake, Tsunami, Tropical Cyclone-Surge & Wind) within each ASEAN Member of States

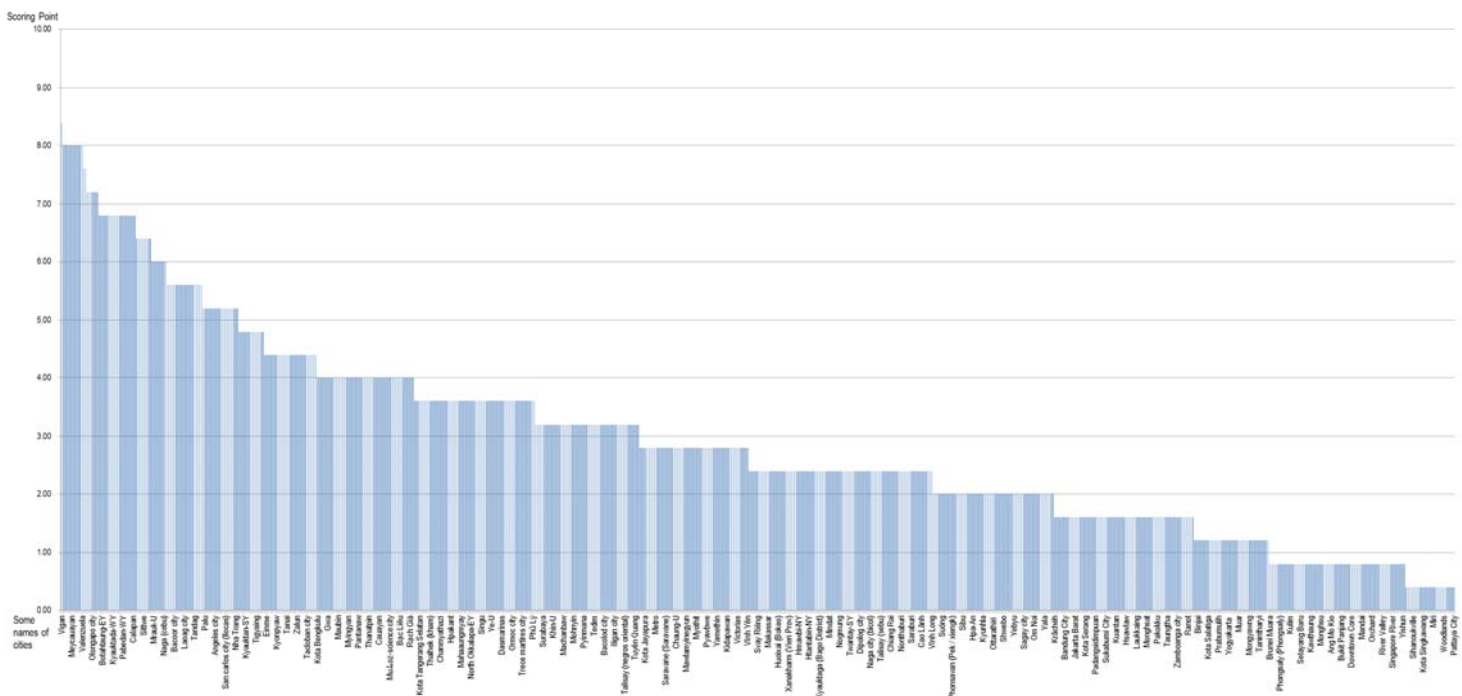


Figure A3-4 Distribution of Long List Cities by Order of Ranking for Potential Hazard Intensity for Whole ASEAN Member of States