

表 1.10.7-1 日射量の気象庁データと精密観測機器による観測データの比較

(パイロット・プラント・データ÷気象庁データ)

	タリアト	バヤンウンドゥル	アダーツァグ
6月	—	0.96*	1.14
7月	1.51	1.07	1.16
8月	1.38	0.89	1.08
9月	1.18	0.73	0.90
平均	1.36	0.91	1.07

(Data Source: JICA Study Team/Pilot Plants, Meteorological Department of Mongolia)

* 収集データの記録は7月6日より(24日間の平均)

(他機関データ÷気象庁データ)

月	Sum-A	Sum-B	Sum-C	Sum-D	Sum-E
1月	1.05	1.09	1.36	0.91	1.00
2月	1.00	1.06	1.16	0.94	1.26
3月	1.05	1.10	1.12	1.00	1.07
4月	0.97	1.02	1.02	0.98	1.00
5月	0.89	0.90	0.92	0.87	0.94
6月	0.97	1.00	0.93	1.07	1.04
7月	1.05	1.07	0.98	0.97	1.13
8月	0.94	—	—	0.90	0.98
9月	0.96	1.00	1.00	0.96	0.96
10月	0.84	0.89	0.89	0.84	0.84
11月	0.96	1.04	1.04	0.92	0.92
12月	1.40	1.40	—	1.13	1.27
年平均比率	1.01	1.05	1.04	0.96	1.03

(Data Source: Ashikaga Institute of Technology, Meteorological Department of Mongolia)

* 上記表は便宜上1月から並べてあるもの実際には観測の開始は8月及び9月で約一年間の観測である。

** “—”はデータ欠測もしくはデータが少ないため除外したことを示す。

表 1.10.7-2 月平均風速の気象庁データと精密観測機器による観測データの比較

(精密機器によるデータ÷気象庁データ)

Sum	Sep-98	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99
A	1.60	1.44	1.16	-	1.24	1.31	-
B	1.13	0.93	-	0.82	0.65	0.69	0.88
C	-	2.02	3.05	-	-	-	-
D	1.64	1.68	1.63	-	1.57	-	1.29
E	1.01	1.04	1.06	-	-	-	1.07
F	-	-	-	-	-	-	-
G	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-

Sum	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Oct-99
A	-	-	-	-	-	-	-
B	0.96	-	-	-	-	-	-
C	2.20	1.81	-	-	-	-	-
D	1.54	-	-	-	-	-	-
E	0.90	0.94	-	-	-	-	-
F	-	-	-	1.40	1.18	1.37	1.39
G	-	-	-	-	-	0.59	0.68
H	-	-	-	-	-	-	1.22

(Data Source : Ashikaga Institute of Technology、 JICA Study Team / Pilot Plants)

表 I . 10. 7-5 太陽光発電適用ソムの分類

Serial No.	ID No.	Aimag Name	Sum	Group
1	1	I .UMNUGOVI	Bayandalai	B
2	2		Bayan-Ovoo	A
3	3		Bulgan	A
4	4		Gurvantes	A
5	5		Mandal-Ovoo	A
6	6		Manlai	A
7	7		Noyon	A
8	8		Nomgon	A
9	9		Severi	A
10	10		Khanbogd	A
11	11		Tsogt-Ovoo	A
12	12		Khurmen	B
13	13		Tosgttsetsii	A
14	14	II.GOVI-ALTAI	Erdene	C
15	15		Tsogt	C
16	16		Chandamani	C
17	17		Altai	B
18	19		Taisher	B
19	20		Bugat	C
20	21		Tseel	C
21	22		Tugrug	C
22	23		Sharga	C
23	25		Darvi	C
24	26		Khaliun	C
25	27		Biger	C
26	28		Khukhmorit	B
27	29		Bayan-Uul	B
28	30		Jargalan	B
29	32	III.BAYANKHONGOR	Shinejinst	B
30	33		Bayan-Uundur	B
31	34		Bayanlig	B
32	35		Bayangovi	B
33	36		Bogd	B
34	37		Jinst	B
35	38		Baatsagaan	B
36	39		Bayantsagaan	B
37	40		KhureemaraI	B
38	41		Gurvanbulag	C
39	42		Jargalant	C
40	43		Galuut	C
41	44		Erdenetsogt	C
42	46		Bayanbulag	B
43	47		Buutsagaan	B
44	48		Bumbugur	B
45	50		Zag	B

Serial No.	ID No.	Aimag Name	Sum	Group
46	51	IV.DORNOGOVI	Erdene	A
47	52		Delgerekh	B
48	53		Zamiin-Uud	A
49	54		Mandakh	A
50	55		Saikhandulaan	A
51	56		Khatanbulag	A
52	57		Khuvsgul	A
53	9041		Ulaanbadrakh	A
54	58	V.SUKHBAATAR	Ongon	B
55	59		Dariganga	B
56	60		Naran	B
57	61		Bayandelger	B
59	62		Erdenetsagaan	C
59	64		Tumentsogt	C
60	65		Tuvshinshree	B
61	66		Uulbayan	B
62	67		Munkhkhaan	C
63	69	VI.DORNOD	Matad	C
64	71		Khalkh-gol	C
65	72		Khulunbuir	C
66	73		Tsagaan-Ovoo	C
67	74		Chuluunkhoroot	C
68	75		Bayan-Uul	C
69	76		Bayandun	C
70	78	VII.KHENTII	Bayan-Adraga	C
71	79		Binder	C
72	80		Batshireet	C
73	81		Norovlin	C
74	83		Dadal	C
75	9071		Galshar	B
76	9072		Bayan-Ovoo	C
77	84	VIII.DUNDGOVI	Ulziit	B
78	85		Undurshil	B
79	86		Bayanjargalan	B
80	87		Adaatsag	B
81	9082		Khuld	B
82	9083		Delgerkhangai	B
83	89	IX.UVURKHANGAI	Bogd	B
84	90		Baruunbayan-Ulaan	B
85	91		Guchin-Us	B
86	93		Khairkhandulaan	B
87	94		Nariinteel	B
88	95		Bayanteeg	B
89	99	X.KHUVSGUL	Tumurbulag	C
90	100		Burentogtokh	C
91	118	XII.ZAVKHAN	Shiluustei	B
92	119		Durvuljin	B

Serial No.	ID No.	Aimag Name	Sum	Group
93	120		Yaruu	C
94	121		Erdenekhairkhan	C
95	122		Zavkhanmandal	B
96	123		Urgamal	B
97	124		Santmargats	C
98	125		Tsetsen-Uul	C
99	126		Ider	C
100	127		Ikh-Uul	C
102	128		Tes	C
102	129		Tsagaanchuluut	B
103	130		Tsagaankhairkhan	B
104	131		Telmen	C
105	132		Tudevtei	C
106	133		Songino	C
107	134		Otgon	C
108	135		Numrug	C
109	136		Asgat	C
110	137		Bayankhairkhan	C
111	138		Tsontsengel	C
112	9121		Bayantes	C
113	9122		Aldarkhaan	B
114	146	XIV.UVS	Zuungovi	C
115	148		Zavkhan	C
116	151	XV.KHOVD	Zereg	C
117	152		Darvi	C
118	153		Altai	C
119	154		Uyench	C
120	155		Bulgan	C
121	159		Mankhan	C
122	160		Chandmani	C
123	163		Durgun	C

表 I . 10. 7-6 風力発電適用ソムの分類

Serial No.	ID.No.		Sum	Group
1	1	I. UMNUGOVI	Bayandalai	C
2	2		Bayan-Ovoo	C
3	3		Bulgan	C
4	4		Gurvantes	B
5	6		Manlai	B
6	7		Noyon	B
7	8		Nomgon	C
8	9		Sevrei	B
9	10		Khanbogd	C
10	11		Tsogt-Ovoo	B
11	13		Tsogttsetsii	A
12	16	II. GOVI-ALTAI	Chandmani	C
13	19		Taishir	C
14	21		Tseel	B
15	25		Darvi	C
16	26		Khaliun	B
17	32	III. BAYANKHONGOR	Shinejinst	B
18	33		Bayan-Undur	B
19	36		Bogd	A
20	48		Bumbugur	C
21	52	IV. DORNOGOVI	Delgerekh	C
22	54		Mandakh	C
23	55		Saikhandulaan	A
24	56		Khatanbulag	C
25	58	V. SUKHUBAATAR	Ongon	A
26	59		Dariganga	C
27	60		Naran	B
28	61		Bayandelger	B
29	62		Erdenetsagaan	B
30	64		Tumentsogt	C
31	65		Tuvshinshiree	A
32	67		Munkhkhaan	C
33	69	VI. DORNOD	Matad	C
34	72		Khulunbuir	C
35	74		Chuluunkhoroot	B
36	81	VII. KHENTII	Norovlin	C
37	9071		Galshar	B
38	84	VIII. DUNDGOVI	Ulziit	C
39	85		Undurshil	C
40	86		Bayanjargalan	B
41	87		Adaatsag	A
42	9082		Khuld	C
43	9083		Delgerkhangai	B
44	91	IX. UVRUKHANGAI	Guchin-Us	B
45	152	XV. KHOVD	Darvi	C

表 I . 10. 7-7 2015 年の太陽光・風力ハイブリッド発電方式新規適用ソム

Serial No.	ID No.	Aimag	Sum Center	Solor	Wind
1	5	I. UMNUGOVI	Mandal-Ovoo		○
2	12		Khurmen		○
3	20	II. GOVI-ALTAI	Bugat		○
4	24		Tonkhil	○	
5	78	VII. KHENTII	Bayan-Adraga		○
6	96	X. KHUVSGUL	Jargalant	○	
7	97		Galt	○	
8	98		Shine-Ider	○	
9	99		Tumurbulag		○
10	101		Tsetserleg	○	
11	106		Tsagaan-Uul	○	
12	109		Tunel	○	
13	111		Alag-Erdene	○	
14	114		Erdenebulgan	○	
15	117	XI. ARKHANGAI	Tsakhir	○	
16	9111		Chuluut	○	
17	126	XII. ZAVKHAN	Ider		○
18	140	XIV. UVS	Undurkhangai	○	
19	141		Tsahaankhairkhan	○	
20	142		Zuunkhangai	○	
21	143		Khyargas	○	
22	144		Baruuntruun	○	
23	145		Malchin	○	
24	146		Zuungovi		○
25	147		Bukhmurun	○	
26	149		Tes	○	
27	156	XV. KHOVD	Tsetseg	○	
28	157		Must	○	
29	164	XVI. BAYAN-ULGII	Tolbo	○	
30	165		Tsagaannuur	○	○
31	169		Buyant	○	
32	9161		Nogoonuur	○	

表 I.10.7-8 2005年における各ソム・センターの電力供給システム

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Capacity of Power Sources							
				Diesel Generator (kW)		Photovoltaic Cell (kWp)	Wind Generator (kW)	Inverter (kVA)	Converter (kVA)	Battery (kAh)	
				New	Ex.	New	New	New	New	New	
		UMNU-GOVI									
1	1	BAYANDALAI	NewDG + PV + WG	120		2	5	4	10	12	
2	2	BAYAN-OV00	NewDG + PV + WG	120		2	5	4	10	12	
3	3	BULGAN	NewDG + PV + WG	120		2	10	4	10	6	
4	4	GURVANTES	ExDG + PV + WG		180	2	5	4	20	6	
5	5	MANDAL-OV00	ExDG + PV		120	4		4	10	18	
6	6	MANLAI	ExDG + PV + WG		180	2	2.5	4	20	6	
7	7	NOYON	ExDG + PV + WG		180	2	2.5	4	20	6	
8	8	NOMGON	NewDG + PV + WG	120		2	5	4	10	6	
9	9	SEVREI	ExDG + PV + WG		120	2	2.5	4	10	12	
10	10	KHANBOGD	NewDG + PV + WG	120		2	5	4	10	12	
11	11	TSOGT-OV00	NewDG + PV + WG	120		2	2.5	4	10	12	
12	12	KHURMEN	NewDG + PV	120		4		4	10	18	
13	13	TSOGT-TSETSII	NewDG + PV + WG	120		2	5	4	10	6	
		GOVI-ALTAI									
14	14	ERDENE	ExDG + PV		300	6		4	40	18	
15	15	TSOGT	ExDG + PV		300	6		4	40	24	
16	16	CHANDMANI	ExDG + PV + WG		300	4	5	4	40	12	
17	17	ALTAI	ExDG + PV		180	4		4	20	18	
18	19	TAISHIR	NewDG + PV + WG	120		2	5	2	10	6	
19	20	BUGAT	NewDG + PV	200		6		4	20	24	
20	21	TSEEL	ExDG + PV + WG		180	2	5	4	20	6	
21	22	TUGRUG	NewDG + PV	120		10		6	10	36	
22	23	SHARGA	NewDG + PV	120		6		4	10	18	
23	24	TONKHIL	ExDG		180				20		
24	25	DARVI	ExDG + PV + WG		180	2	5	4	20	6	
25	26	KHALIUN	NewDG + PV + WG	120		2	2.5	4	10	6	
26	27	BIGER	ExDG + PV		120	10		6	10	36	
27	28	KHUKHMORIT	ExDG + PV		180	6		4	20	24	
28	29	BAYAN-UUL	NewDG + PV	200		6		4	20	24	
29	30	JARGALAN	NewDG + PV	120		4		4	10	18	
		BAYANKHONGOR									
30	32	SHINEJINST	ExDG + PV + WG		120	2	5	4	10	6	
31	33	BAYAN-UNDUR	ExDG + PV + WG		300	2	10	4	40	12	
32	34	BAYANLIG	ExDG + PV		120	6		4	10	24	
33	35	BAYANGOBI	ExDG + PV		180	6		4	20	24	
34	36	BOGD	ExDG + PV + WG		180	2	5	4	20	6	
35	37	JINST	ExDG + PV		120	6		4	10	24	
36	38	BAATSAGAAN	ExDG + PV		180	8		4	20	30	
37	39	BAYAN-TSAGAAN	ExDG + PV		300	8		4	40	30	
38	40	KHUREEMARAL	ExDG + PV		180	6		4	20	24	
39	41	GURVANBULAG	NewDG + PV	200		6		4	20	24	
40	42	JARGALANT	ExDG + PV		300	10		6	40	42	

表 I.10.7-8 2005年における各ソム・センターの電力供給システム

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Capacity of Power Sources						
				Diesel Generator (kW)		Photovoltaic Cell (kWp)	Wind Generator (kW)	Inverter (kVA)	Converter (kVA)	Battery (kAh)
				New	Ex.	New	New	New	New	New
41	43	GALUUT	ExDG + PV		180	8		4	20	30
42	44	ERDENETSOGT	ExDG + PV		220	8		4	10	24
43	46	BAYANBULAG	ExDG + PV		120	8		4	10	30
44	47	BUUTSAGAAN	ExDG + PV		200	8		4	20	30
45	48	BUMBUGUR	ExDG + PV + WG		180	4	7.5	4	20	12
46	50	ZAG	NewDG + PV	200		6		4	20	24
		DORNOGOVI								
47	51	ERDENE	NewDG + PV	200		6		4	20	24
48	52	DELGEREKH	NewDG + PV + WG	120		4	7.5	4	10	12
49	53	ZAMIIN-UUD	NewDG + PV	600		8		6	90	36
50	54	MANDAKH	ExDG + PV + WG		180	2	7.5	4	20	6
51	55	SAIKHANDULAAN	ExDG + PV + WG		300	2	2.5	2	40	6
52	56	KHATANBULAG	ExDG + PV + WG		300	2	10	4	40	12
53	57	KHUVSGUL	ExDG + PV		180	4		4	20	18
54	9041	ULAANBADRAKH	NewDG + PV	120		6		4	10	24
		SUKHBAATAR								
55	58	ONGON	ExDG + PV + WG		200	2	5	6	20	6
56	59	DARIGANGA	ExDG + PV + WG		180	2	2.5	4	20	12
57	60	NARAN	ExDG + PV + WG		200	2	2.5	4	20	6
58	61	BAYANDELGER	ExDG + PV + WG		300	2	7.5	4	40	6
59	62	ERDENETSAGAAN	ExDG + PV + WG		300	4	5	6	40	12
60	63	SUKHBAATAR	Grid							
61	64	TUMENTSOGT	ExDG + PV + WG		300	4	7.5	4	40	12
62	65	TUVSHINSHIREE	NewDG + PV + WG	120		2	2.5	4	10	6
63	66	UUL-BAYAN	NewDG + PV	200		6		4	20	24
64	67	MUNKHKHAAN	NewDG + PV + WG	200		6	5	6	20	18
		DORNOD								
65	69	MATAD	NewDG + PV + WG	120		2	5	4	10	12
66	71	KHALKHGOL	NewDG + PV	200		8		6	20	30
67	72	KHULUN-BUIR	ExDG + PV + WG		120	2	5	4	10	12
68	73	TSAGAAN-OVOO	ExDG + PV		300	8		4	40	30
69	74	CHULUUNKHOROOT	NewDG + PV + WG	120		2	2.5	2	10	6
70	75	BAYAN-UUL	NewDG + PV	300		12		8	40	48
71	76	BAYANDUN	NewDG + PV	200		6		4	20	24
		KHENTII								
72	78	BAYAN-ADRAGA	ExDG + PV		120	6		4	10	18
73	79	BINDER	ExDG + PV		180	6		4	20	24
74	80	BATSHIREET	ExDG + PV		200	6		4	20	18
75	81	NOROVLIN	ExDG + PV + WG		120	2	7.5	4	10	6
76	83	DADAL	ExDG + PV		300	6		4	40	18
77	9071	GALSHAR	ExDG + PV + WG		200	2	2.5	4	20	6
78	9072	BAYAN-OVOO	ExDG + PV		180	4		2	20	18
		DUNDGOVI								

表 I. 10. 7-8 2005年における各ソム・センターの電力供給システム

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Capacity of Power Sources							
				Diesel Generator (kW)		Photovoltaic Cell (kWp)	Wind Generator (kW)	Inverter (kVA)	Converter (kVA)	Battery (kAh)	
				New	Ex.	New	New	New	New	New	
79	84	ULZIIT	ExDG + PV + WG		200		2	5	4	20	6
80	85	UNDURSHIL	ExDG + PV + WG		180		2	2.5	2	20	6
81	86	BAYANJARGALAN	ExDG + PV + WG		180		2	2.5	2	20	6
82	87	ADAATSAG	NewDG + PV + WG	120			2	2.5	4	10	6
83	9082	KHULD	NewDG + PV + WG	120			2	5	4	10	12
84	9083	DELGERKHANGAI	NewDG + PV + WG	120			2	2.5	4	10	12
		UVURKHANGAI									
85	89	BOGD	ExDG + PV		300		6		4	40	24
86	90	BARUUN BAYAN-ULAAN	ExDG + PV		180		4		4	20	18
87	91	GUCHIN-US	ExDG + PV + WG		180		2	5	4	20	12
88	93	KHAIRHANDULAAN	ExDG + PV		180		6		4	20	24
89	94	NARIINTEEL	ExDG + PV		240		6		4	30	24
90	95	BAYANTEEG	NewDG + PV	120			4		2	10	12
		KHUVSGUL									
91	96	JARGALANT	ExDG		180					20	
92	97	GALT	ExDG		120					10	
93	98	SHINE-LDER	ExDG		180					20	
94	99	TUMURBULAG	NewDG + PV	120			8		6	10	30
95	100	BURENTOGTOKH	NewDG + PV	120			8		4	10	30
96	101	TSETSERLEG	NewDG	200						20	
97	102	ARBULAG	ExDG		120					10	
98	103	BAYANZURKH	ExDG		120					10	
99	104	CHANDMANI-UNDUR	ExDG		120					10	
100	105	TSAGAAN-UUR	ExDG		180					20	
101	106	TSAGAAN-UUL	NewDG	200						20	
102	107	ULAAN-UUL	ExDG		120					10	
103	108	RENCHINLKHUNBE	ExDG		200					20	
104	109	TUNNEL	NewDG	200						20	
105	110	TOSONTSENGEL	Grid								
106	111	ALAG-ERDENE	NewDG	120						10	
107	112	KHATGAL	ExDG		220					20	
108	113	TSAGAANNUUR	ExDG		200					20	
109	114	ERDENEBUGAN	ExDG		200					20	
		ARKHANGAI									
110	115	KHANGAI	ExDG		120					10	
111	117	TSAKHIR	ExDG		120					10	
112	9111	CHULUUT	ExDG		180					20	
		ZAVKHAN									
113	118	SHILUUSTEI	NewDG + PV	120			6		4	10	24
114	119	DURVULJIN	ExDG + PV		300		6		4	40	24
115	120	YARUU	NewDG + PV	120			6		4	10	24
116	121	ERDENEKHAIRKHAN	ExDG + PV		300		6		4	40	18
117	122	ZAVKHANMANDAL	ExDG + PV		300		6		4	40	24

表 I.10.7-8 2005年における各ソム・センターの電力供給システム

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Capacity of Power Sources						
				Diesel Generator (kW)		Photovoltaic Cell (kWp)	Wind Generator (kW)	Inverter (kVA)	Converter (kVA)	Battery (kAh)
				New	Ex.	New	New	New	New	New
118	123	URGAMAL	ExDG + PV		200	4		4	20	18
119	124	SANTMARGATS	ExDG + PV		180	6		4	20	24
120	125	TSETSEN-UUL	ExDG + PV		300	6		4	40	24
121	126	IDER	ExDG + PV		180	8		4	20	30
122	127	IKH-UUL	NewDG + PV	200		10		6	20	36
123	128	TES	ExDG + PV		300	10		6	40	42
124	129	TSAGAANCHULUUT	NewDG + PV	120		4		4	10	18
125	130	TSAGAANKHAI RKHAN	NewDG + PV	120		6		4	10	24
126	131	TELMEN	NewDG + PV	120		6		4	10	24
127	132	TUDEVTE I	NewDG + PV	120		12		6	10	42
128	133	SONG I NO	ExDG + PV		300	6		4	40	24
129	134	OTGON	NewDG + PV	200		6		4	20	24
130	135	NUMRUG	ExDG + PV		200	6		4	20	24
131	136	ASGAT	ExDG + PV		180	6		4	20	18
132	137	BAYANKHAI RKHAN	NewDG + PV	120		6		4	10	18
133	138	TOSONTSENGEL	NewDG + PV	500		24		14	70	96
134	9121	BAYANTES	NewDG + PV	120		8		4	10	30
135	9122	ALDARKHAAN	NewDG + PV	120		6		4	10	24
		BULGAN								
136	139	TESH I G	ExDG		300				40	
		UVS								
137	140	UNDURKHANGA I	NewDG	300					40	
138	141	TSAGAANKHAI RKHAN	ExDG		180				20	
139	142	ZUUNKHANGA I	ExDG		300				40	
140	143	KHYARGAS	ExDG		180				20	
141	144	BARUUNTRUUN	NewDG+ Hyd	300					40	
142	145	MALCH I N	ExDG		180				20	
143	146	ZUUNGOB I	ExDG + PV		200	6		4	20	24
144	147	BUKHMURUN	NewDG	200					20	
145	148	ZAVKHAN	NewDG + PV	120		4		2	10	12
146	149	TES	ExDG		200				20	
		KHOVD								
147	151	ZEREG	ExDG + PV		120	8		4	10	30
148	152	DARV I	ExDG + PV + WG		200	4	5	4	20	18
149	153	ALTA I	NewDG + PV	200		6		4	20	24
150	154	UYENCH	NewDG + PV	300		10		6	40	36
151	155	BULGAN	ExDG + PV		300	20		12	40	78
152	156	TSETSEG	ExDG		180				20	
153	157	MUST	ExDG		200				20	
154	158	MUNKHAI RKHAN	ExDG + Hyd		120				10	
155	159	MANKHAN	NewDG+ PV +Hyd	200		8		4	20	30
156	160	CHANDMAN I	ExDG + PV		120	6		4	10	24
157	163	DURGUN	NewDG + PV	120		6		4	10	24

表 I.10.7-8 2005年における各ソム・センターの電力供給システム

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Capacity of Power Sources							
				Diesel Generator (kW)		Photovoltiac Cell (kWp)	Wind Generator (kW)	Inverter (kVA)	Converter (kVA)	Battery (kAh)	
				New	Ex.	New	New	New	New	New	
158	9151	DUUT	NewDG	120						10	
		BAYAN-ULGI I									
159	164	TOLBO	NewDG	120						10	
160	165	TSAGAANNUUR	NewDG	300						40	
161	166	BULGAN	ExDG		220					20	
162	167	DELUUN	ExDG		200					20	
163	168	ALTAI	NewDG	200						20	
164	169	BUYANT	NewDG	120						10	
165	170	BAYANNUUR	Grid								
166	171	ALTANTSUGTS	Grid								
167	9161	NOGOONUUR	NewDG	200						20	

NewDG : New Diesel Generator
 ExDG : Existing Diesel Generator
 PV : Photovoltiac Cell

WG : Wind Generator
 FC : Fuel Cell

Hyd : Hydro-Generator
 Grid : Grid Connection

表 I.10.7-9 2010年における各ソム・センターの電力供給システム

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Capacity of Power Sources										
				Diesel Generator (kW)		Photovoltaic Cell (kWp)		Wind Generator (kW)		Inverter (kVA)		Converter (kVA)	Battery (kAh)	
				Total	New	Total	New	Total	New	Total	Total	New	Total	
		UMNU-GOVI												
1	1	BAYANDALAI	NewDG + PV + WG	120	10	12	20	25	10	14	10	24	36	
2	2	BAYAN-OVOO	NewDG + PV + WG	120	10	12	40	45	20	24	10	24	36	
3	3	BULGAN	NewDG + PV + WG	120	20	22	70	80	40	44	10	54	60	
4	4	GURVANTES	ExDG + PV + WG	180	15	17	40	45	30	34	20	36	42	
5	5	MANDAL-OVOO	ExDG + PV	120	40	44			30	34	10	120	138	
6	6	MANLAI	ExDG + PV + WG	180	15	17	30	32.5	30	34	20	30	36	
7	7	NOYON	ExDG + PV + WG	180	5	7	30	32.5	20	24	20	12	18	
8	8	NOMGON	NewDG + PV + WG	120	15	17	40	45	20	24	10	36	42	
9	9	SEVREI	ExDG + PV + WG	120	10	12	60	62.5	40	44	10	18	30	
10	10	KHANBOGD	NewDG + PV + WG	120	5	7	50	55	20	24	10	12	24	
11	11	TSOGT-OVOO	NewDG + PV + WG	120	10	12	30	32.5	20	24	10	18	30	
12	12	KHURMEN	NewDG + PV	120	40	44			30	34	10	90	108	
13	13	TSOGT-TSETSII	NewDG + PV + WG	120	10	12	40	45	40	44	10	24	30	
		GOVI-ALTAI												
14	14	ERDENE	ExDG + PV	300	40	46			20	24	40	90	108	
15	15	TSOGT	ExDG + PV	300	50	56			30	34	40	120	144	
16	16	CHANDMANI	ExDG + PV + WG	300	25	29	40	45	30	34	40	48	60	
17	17	ALTAI	ExDG + PV	180	60	64			40	44	20	150	168	
18	19	TAISHIR	NewDG + PV + WG	120	15	17	20	25	20	22	10	30	36	
19	20	BUGAT	NewDG + PV	200	65	71			40	44	20	150	174	
20	21	TSEEL	ExDG + PV + WG	180	10	12	40	45	30	34	20	12	18	
21	22	TUGRUG	NewDG + PV	120	55	65			30	36	10	150	186	
22	23	SHARGA	NewDG + PV	120	60	66			40	44	10	150	168	
23	24	TONKHIL	ExDG	180							20			
24	25	Darvi	ExDG + PV + WG	180	15	17	30	35	20	24	20	24	30	
25	26	KHALIUN	NewDG + PV + WG	120	10	12	30	32.5	30	34	10	18	24	
26	27	BIGER	ExDG + PV	120	20	30			10	16	10	60	96	
27	28	KHUKHMORIT	ExDG + PV	180	25	31			20	24	20	90	114	
28	29	BAYAN-UUL	NewDG + PV	200	45	51			30	34	20	120	144	
29	30	JARGALAN	NewDG + PV	120	40	44			30	34	10	90	108	
		BAYANKHONGOR												
30	32	SHINEJINST	ExDG + PV + WG	120	10	12	30	35	20	24	10	18	24	
31	33	BAYAN-UNDUR	ExDG + PV + WG	300	25	27	30	40	30	34	40	54	66	
32	34	BAYANLIG	ExDG + PV	120	45	51			30	34	10	120	144	
33	35	BAYANGOBI	ExDG + PV	180	40	46			30	34	20	120	144	
34	36	BOGD	ExDG + PV + WG	180	10	12	30	35	20	24	20	18	24	
35	37	JINST	ExDG + PV	120	20	26			20	24	10	60	84	
36	38	BAATSAGAAN	ExDG + PV	180	25	33			20	24	20	90	120	
37	39	BAYAN-TSAGAAN	ExDG + PV	300	45	53			30	34	40	120	150	
38	40	KHUREEMARAL	ExDG + PV	180	30	36			20	24	20	90	114	
39	41	GURVANBULAG	NewDG + PV	200	55	61			30	34	20	120	144	
40	42	JARGALANT	ExDG + PV	300	40	50			20	26	40	90	132	
41	43	GALUUT	ExDG + PV	180	30	38			20	24	20	90	120	
42	44	ERDENETSOGT	ExDG + PV	220	25	33			20	24	10	60	84	
43	46	BAYANBULAG	ExDG + PV	120	45	53			30	34	10	120	150	
44	47	BUUTSAGAAN	ExDG + PV	200	35	43			30	34	20	120	150	
45	48	BUMBUGUR	ExDG + PV + WG	180	10	14	40	47.5	20	24	20	30	42	
46	50	ZAG	NewDG + PV	200	55	61			40	44	20	150	174	
		DORNOGOVI												
47	51	ERDENE	NewDG + PV	200	80	86			60	64	20	210	234	
48	52	DELGEREKH	NewDG + PV + WG	120	25	29	40	47.5	30	34	10	60	72	
49	53	ZAMJIN-UUD	NewDG + PV	600	100	108			140	146	90	240	276	

表 I. 10. 7-9 2010年における各ソム・センターの電力供給システム

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Capacity of Power Sources										
				Diesel Generator (kW)		Photovoltaic Cell (kWp)		Wind Generator (kW)		Inverter (kVA)		Converter (kVA)	Battery (kAh)	
				Total	New	Total	New	Total	New	Total	Total	New	Total	
50	54	MANDAKH	ExDG + PV + WG	180	15	17	50	57.5	30	34	20	30	36	
51	55	SAIKHANDULAAN	ExDG + PV + WG	300	5	7	20	22.5	20	22	40	12	18	
52	56	KHATANBULAG	ExDG + PV + WG	300	15	17	70	80	30	34	40	36	48	
53	57	KHUVSGUL	ExDG + PV	180	25	29			20	24	20	90	108	
54	9041	ULAANBADRAKH	NewDG + PV	120	35	41			30	34	10	120	144	
		SUKHBAATAR												
55	58	ONGON	ExDG + PV + WG	200	15	17	70	75	70	76	20	18	24	
56	59	DARIGANGA	ExDG + PV + WG	180	30	32	40	42.5	40	44	20	60	72	
57	60	NARAN	ExDG + PV + WG	200	10	12	40	42.5	30	34	20	24	30	
58	61	BAYANDELGER	ExDG + PV + WG	300	20	22	40	47.5	30	34	40	42	48	
59	62	ERDENETSAGAAN	ExDG + PV + WG	300	30	34	80	85	70	76	40	54	66	
60	63	SUKHBAATAR	Grid											
61	64	TUMENTSOGT	ExDG + PV + WG	300	60	64	130	137.5	80	84	40	114	126	
62	65	TUVSHINSHIREE	NewDG + PV + WG	120	15	17	20	22.5	20	24	10	24	30	
63	66	UUL-BAYAN	NewDG + PV	200	80	86			50	54	20	210	234	
64	67	MUNKHKAAN	NewDG + PV + WG	200	30	36	40	45	30	36	20	60	78	
		DORNOD												
65	69	MATAD	NewDG + PV + WG	120	35	37	70	75	30	34	10	66	78	
66	71	KHALKHGOL	NewDG + PV	200	90	98			50	56	20	210	240	
67	72	KHULUN-BUIR	ExDG + PV + WG	120	25	27	60	65	40	44	10	54	66	
68	73	TSAGAAN-OVOO	ExDG + PV	300	80	88			50	54	40	180	210	
69	74	CHULUUNKHOROOT	NewDG + PV + WG	120	20	22	60	62.5	60	62	10	36	42	
70	75	BAYAN-UUL	NewDG + PV	300	100	112			100	108	40	240	288	
71	76	BAYANDUN	NewDG + PV	200	90	96			50	54	20	210	234	
		KHENTI I												
72	78	BAYAN-ADRAGA	ExDG + PV	120	100	106			80	84	10	240	258	
73	79	BINDER	ExDG + PV	180	100	106			140	144	20	240	264	
74	80	BATSHIREET	ExDG + PV	200	100	106			60	64	20	210	228	
75	81	NOROVLIN	ExDG + PV + WG	120	60	62	130	137.5	80	84	10	108	114	
76	83	DADAL	ExDG + PV	300	90	96			50	54	40	210	228	
77	9071	GALSHAR	ExDG + PV + WG	200	10	12	40	42.5	30	34	20	18	24	
78	9072	BAYAN-OVOO	ExDG + PV	180	100	104			60	62	20	240	258	
		DUNDGOVI												
79	84	ULZIT	ExDG + PV + WG	200	15	17	40	45	20	24	20	30	36	
80	85	UNDURSHIL	ExDG + PV + WG	180	15	17	40	42.5	30	32	20	30	36	
81	86	BAYANJARGALAN	ExDG + PV + WG	180	5	7	30	32.5	20	22	20	6	12	
82	87	ADAATSAG	NewDG + PV + WG	120	5	7	10	12.5	10	14	10	12	18	
83	9082	KHULD	NewDG + PV + WG	120	15	17	50	55	20	24	10	30	42	
84	9083	DELGERKHANGAI	NewDG + PV + WG	120	15	17	20	22.5	20	24	10	30	42	
		UVURKHANGAI												
85	89	BOGD	ExDG + PV	300	60	66			40	44	40	150	174	
86	90	BARUUN BAYAN-ULAAN	ExDG + PV	180	70	74			40	44	20	180	198	
87	91	GUCHIN-US	ExDG + PV + WG	180	30	32	60	65	40	44	20	60	72	
88	93	KHAIRHANDULAAN	ExDG + PV	180	50	56			40	44	20	150	174	
89	94	NARINTEEL	ExDG + PV	240	70	76			50	54	30	180	204	
90	95	BAYANTEEG	NewDG + PV	120	40	44			30	32	10	90	102	
		KHUVSGUL												
91	96	JARGALANT	ExDG	180							20			
92	97	GALT	ExDG	120							10			
93	98	SHINE-LDER	ExDG	180							20			
94	99	TUMURBULAG	NewDG + PV	120	35	43			20	26	10	90	120	
95	100	BURENTOGTOKH	NewDG + PV	120	40	48			30	34	10	90	120	
96	101	TSETSERLEG	NewDG	200							20			

表 I. 10. 7-9 2010年における各ソム・センターの電力供給システム

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Capacity of Power Sources										
				Diesel Generator (kW)	Photovoltaic Cell (kWp)		Wind Generator (kW)		Inverter (kVA)		Converter (kVA)	Battery (kAh)		
				Total	New	Total	New	Total	New	Total	Total	New	Total	
97	102	ARBULAG	ExDG	120									10	
98	103	BAYANZURKH	ExDG	120									10	
99	104	CHANDMANI-UNDUR	ExDG	120									10	
100	105	TSAGAAN-UUR	ExDG	180									20	
101	106	TSAGAAN-UUL	NewDG	200									20	
102	107	ULAAN-UUL	ExDG	120									10	
103	108	RENCHINLKHUNBE	ExDG	200									20	
104	109	TUNNEL	NewDG	200									20	
105	110	TSONTSENGEL	Grid											
106	111	ALAG-ERDENE	NewDG	120									10	
107	112	KHATGAL	ExDG	220									20	
108	113	TSAGAANUUR	ExDG	200									20	
109	114	ERDENEBUGAN	ExDG	200									20	
		ARKHANGAI												
110	115	KHANGAI	ExDG	120									10	
111	117	TSAKHIR	ExDG	120									10	
112	9111	CHULUUT	ExDG	180									20	
		ZAVKHAN												
113	118	SHILUUSTEI	NewDG + PV	120	30	36				20	24	10	90	114
114	119	DURVULJIN	ExDG + PV	300	35	41				20	24	40	90	114
115	120	YARUU	NewDG + PV	120	10	16				10	14	10	30	54
116	121	ERDENEKHAIKHAAN	ExDG + PV	300	35	41				20	24	40	90	108
117	122	ZAVKHANMANDAL	ExDG + PV	300	35	41				30	34	40	90	114
118	123	URGAMAL	ExDG + PV	200	15	19				10	14	20	60	78
119	124	SANTMARGATS	ExDG + PV	180	40	46				30	34	20	90	114
120	125	TSETSEN-UUL	ExDG + PV	300	95	101				50	54	40	210	234
121	126	IDER	ExDG + PV	180	40	48				30	34	20	120	150
122	127	IKH-UUL	NewDG + PV	200	50	60				30	36	20	120	156
123	128	TES	ExDG + PV	300	45	55				30	36	40	120	162
124	129	TSAGAANCHULUUT	NewDG + PV	120	35	39				20	24	10	90	108
125	130	TSAGAANKHAIRKHAAN	NewDG + PV	120	25	31				20	24	10	90	114
126	131	TELMEN	NewDG + PV	120	55	61				30	34	10	120	144
127	132	TUDEVTEI	NewDG + PV	120	30	42				20	26	10	90	132
128	133	SONGINO	ExDG + PV	300	50	56				30	34	40	120	144
129	134	OTGON	NewDG + PV	200	50	56				30	34	20	120	144
130	135	NUMRUG	ExDG + PV	200	30	36				20	24	20	90	114
131	136	ASGAT	ExDG + PV	180	20	26				20	24	20	60	78
132	137	BAYANKHAIRKHAAN	NewDG + PV	120	35	41				20	24	10	90	108
133	138	TSONTSENGEL	NewDG + PV	500	100	124				140	154	70	240	336
134	9121	BAYANTES	NewDG + PV	120	25	33				20	24	10	90	120
135	9122	ALDARKHAAN	NewDG + PV	120	30	36				20	24	10	90	114
		BULGAN												
136	139	TESHIG	ExDG	300									40	
		UVS												
137	140	UNDURKHANGAI	NewDG	300									40	
138	141	TSAGAANKHAIRKHAAN	ExDG	180									20	
139	142	ZUUNKHANGAI	ExDG	300									40	
140	143	KHYARGAS	ExDG	180									20	
141	144	BARUUNTRUUN	NewDG+ Hyd	300									40	
142	145	MALCHIN	ExDG	180									20	
143	146	ZUUNGOBI	ExDG + PV	200	60	66				40	44	20	150	174
144	147	BUKHMURUN	NewDG	200									20	
145	148	ZAVKHAN	NewDG + PV	120	35	39				20	22	10	90	102

表 I.10.7-9 2010年における各ソム・センターの電力供給システム

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Capacity of Power Sources										
				Diesel Generator (kW)	Photovoltaic Cell (kWp)		Wind Generator (kW)		Inverter (kVA)		Converter (kVA)	Battery (kAh)		
				Total	New	Total	New	Total	New	Total	Total	New	Total	
146	149	TES	ExDG	200									20	
		KHOVD												
147	151	ZEREG	ExDG + PV	120	45	53				30	34	10	120	150
148	152	DARVI	ExDG + PV + WG	200	30	34	60	65		40	44	20	54	72
149	153	ALTAI	NewDG + PV	200	80	86				50	54	20	180	204
150	154	UYENCH	NewDG + PV	300	100	110				80	86	40	240	276
151	155	BULGAN	ExDG + PV	300	100	120				140	152	40	240	318
152	156	TSETSEG	ExDG	180								20		
153	157	MUST	ExDG	200								20		
154	158	MUNKHKHAIRKHAN	ExDG+Hyd	120								10		
155	159	MANKHAN	NewDG + PV + Hyd	200		8					4	20		30
156	160	CHANDMANI	ExDG + PV	120	65	71				40	44	10	150	174
157	163	DURGUN	NewDG + PV	120	45	51				30	34	10	120	144
158	9151	DUUT	NewDG	120								10		
		BAYAN-ULGII												
159	164	TOLBO	NewDG	120								10		
160	165	TSAGAANNUUR	NewDG	300								40		
161	166	BULGAN	ExDG	220								20		
162	167	DELUUN	ExDG	200								20		
163	168	ALTAI	NewDG	200								20		
164	169	BUYANT	NewDG	120								10		
165	170	BAYANNUUR	Grid											
166	171	ALTANTSUGTS	Grid											
167	9161	NOGOONUUR	NewDG	200								20		

NewDG : New Diesel Generator
 ExDG : Existing Diesel Generator
 PV : Photovoltaic Cell

WG : Wind Generator
 FC : Fuel Cell

Hyd : Hydro-Generator
 Grid : Grid Connection

表 I.10.7-10 2015年における各ソム・センターの電力供給システム

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Capacity of Power Sources																		
				Photovoltaic Cell (kWp)		Wind Generator (KW)		Inverter (kVA)		Battery (kAh)	Fuel Cell (Kw)	Hydrogen Production System (kWh)	Hydrogen Storage Capacity (MWh)									
				New	Total	New	Total	New	Total	Total	New	New	New									
		UMNU-GOVI																				
1	1	BAYANDALAI	PV + WG + FC	30	42	50	75	50	64			36	50		100							40,000
2	2	BAYAN-OVOO	PV + WG + FC	10	22	30	75	50	74			36	50		100							30,000
3	3	BULGAN	PV + WG + FC		22	30	110	50	94			60	100		100							10,000
4	4	GURVANTES	PV + WG + FC	10	27	80	125	50	84			42	100		150							60,000
5	5	MANDAL-OVOO	PV + WG + FC		44	200	200	50	84			138	100		200							50,000
6	6	MANLAI	PV + WG + FC	10	27	30	62.5	50	84			36	50		100							20,000
7	7	NOYON	PV + WG + FC		7	30	62.5	50	74			18	50		100							30,000
8	8	NOMGON	PV + WG + FC	30	47	50	95	50	74			42	100		150							40,000
9	9	SEVREI	PV + WG + FC	40	52	50	113	50	94			30	100		150							40,000
10	10	KHANBOGD	PV + WG + FC	40	47	30	85	50	74			24	50		150							30,000
11	11	TSOGT-OVOO	PV + WG + FC	20	32	30	62.5	50	74			30	50		100							30,000
12	12	KHURMEN	PV + WG + FC		44	90	90	50	84			108	50		100							20,000
13	13	TSOGT-TSETSII	PV + WG + FC		12	60	105	50	94			30	100		100							60,000
		GOVI-ALTAI																				
14	14	ERDENE	PV + FC	50	96			50	74			108	50		150							40,000
15	15	TSOGT	PV + FC	110	166			100	134			144	100		200							70,000
16	16	CHANDMANI	PV + WG + FC	20	49	60	105	50	84			60	100		150							50,000
17	17	ALTAI	PV + FC	160	224			100	144			168	150		300							70,000
18	19	TAISHIR	PV + WG + FC	20	37	50	75	50	72			36	50		100							30,000
19	20	BUGAT	PV + WG + FC		71	200	200	50	94			174	100		250							90,000
20	21	TSEEL	PV + WG + FC	10	22	130	175	100	134			18	150		150							100,000
21	22	TUGRUG	PV + FC	70	135			50	86			186	100		200							50,000
22	23	SHARGA	PV + FC	60	126			50	94			168	100		150							30,000
23	24	TONKHIL	PV + FC	200	200			250	250				300		400							70,000
24	25	Darvi	PV + WG + FC	20	37	60	95	50	74			30	100		150							50,000
25	26	KHALIUN	PV + WG + FC	30	42	30	62.5	50	84			24	100		100							30,000
26	27	BIGER	PV + FC	40	70			50	66			96	50		100							30,000
27	28	KHUKHMORIT	PV + FC	40	71			50	74			114	50		100							30,000
28	29	BAYAN-UUL	PV + FC	120	171			100	134			144	100		250							70,000
29	30	JARGALAN	PV + FC	50	94			50	84			108	50		150							30,000
		BAYANKHONGOR																				
30	32	SHINEJINST	PV + WG + FC	30	42	60	95	50	74			24	100		150							50,000
31	33	BAYAN-UNDUR	PV + WG + FC	20	47	50	90	50	84			66	100		150							30,000
32	34	BAYANLIG	PV + FC	80	131			50	84			144	100		200							40,000
33	35	BAYANGOBI	PV + FC	70	116			50	84			144	100		150							50,000
34	36	BOGD	PV + WG + FC	20	32	180	215	50	74			24	50		200							40,000
35	37	JINST	PV + FC	50	76			50	74			84	50		100							30,000
36	38	BAATSAGAAN	PV + FC	50	83			50	74			120	50		100							30,000
37	39	BAYAN-TSAGAAN	PV + FC	80	133			50	84			150	100		200							50,000
38	40	KHUREEMARAL	PV + FC	70	106			50	74			114	50		150							30,000
39	41	GURVANBULAG	PV + FC	150	211			100	134			144	150		300							100,000
40	42	JARGALANT	PV + FC	120	170			100	126			132	100		250							80,000
41	43	GALUUT	PV + FC	110	148			100	124			120	100		200							70,000
42	44	ERDENETSOGT	PV + FC	90	123			50	74			84	100		200							70,000
43	46	BAYANBULAG	PV + FC	80	133			50	84			150	100		200							50,000
44	47	BUUTSAGAAN	PV + FC	60	103			50	84			150	50		150							30,000
45	48	BUMBUGUR	PV + WG + FC	30	44	50	97.5	50	74			42	50		150							40,000
46	50	ZAG	PV + FC	100	161			50	94			174	100		200							60,000
		DORNOGOVI																				
47	51	ERDENE	PV + FC	120	206			50	114			234	100		300							60,000
48	52	DELGEREKH	PV + WG + FC	20	49	50	97.5	50	84			72	50		150							30,000
49	53	ZAMIAN-UUD	PV + FC	200	308			250	396			276	300		450							100,000
50	54	MANDAKH	PV + WG + FC	20	37	50	108	50	84			36	100		150							30,000
51	55	SAIKHANDULAAN	PV + WG + FC	40	47	30	52.5	50	72			18	50		100							20,000
52	56	KHATANBULAG	PV + WG + FC	40	57	30	110	50	84			48	100		150							40,000
53	57	KHUVSGUL	PV + FC	50	79			50	74			108	50		100							30,000

表 I.10.7-10 2015年における各ソム・センターの電力供給システム

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Capacity of Power Sources									
				Photovoltaic Cell (kWp)		Wind Generator (KW)		Inverter (kVA)		Battery (kAh)	Fuel Cell (Kw)	Hydrogen Production System (kWh)	Hydrogen Storage Capacity (MWh)
				New	Total	New	Total	New	Total	Total	New	New	New
54	9041	ULAANBADRAKH	PV + FC	80	121			50	84	144	100	150	40,000
		SUKHBAATAR											
55	58	ONGON	PV + WG + FC	60	77	30	105	50	126	24	150	200	70,000
56	59	DARI GANGA	PV + WG + FC	40	72	50	92.5	50	94	72	100	150	50,000
57	60	NARAN	PV + WG + FC	30	42	30	72.5	50	84	30	50	100	30,000
58	61	BAYANDELGER	PV + WG + FC	20	42	50	97.5	50	84	48	100	150	50,000
59	62	ERDENETSAGAAN	PV + WG + FC	70	104	30	115	100	176	66	150	200	60,000
60	63	SUKHBAATAR	Grid										
61	64	TUMENTSOGT	PV + WG + FC	10	74	80	218	50	134	126	150	250	50,000
62	65	TUVSHINSHIREE	PV + WG + FC	20	37	30	52.5	50	74	30	50	100	30,000
63	66	UUL-BAYAN	PV + FC	140	226			50	104	234	150	300	60,000
64	67	MUNKHKAHAN	PV + WG + FC	30	66	50	95	100	136	78	100	150	50,000
		DORNOD											
65	69	MATAD	PV + WG + FC	30	67	30	105	50	84	78	100	150	40,000
66	71	KHALKHGOL	PV + FC	80	178			50	106	240	100	250	50,000
67	72	KHULUN-BUIR	PV + WG + FC	60	87	30	95	50	94	66	100	200	40,000
68	73	TSAGAAN-OVOO	PV + FC	100	188			50	104	210	100	250	60,000
69	74	CHULUUNKHOROOT	PV + WG + FC	80	102	50	113	50	112	42	150	200	70,000
70	75	BAYAN-UUL	PV + FC	200	312			100	208	288	200	400	40,000
71	76	BAYANDUN	PV + FC	90	186			50	104	234	100	250	50,000
		KHENTI I											
72	78	BAYAN-ADRAGA	PV + WG + FC	80	186	300	300	100	184	258	200	450	120,000
73	79	BINDER	PV + FC	200	306			150	294	264	300	400	60,000
74	80	BATSHIREET	PV + FC	100	206			50	114	228	100	300	60,000
75	81	NOROV LIN	PV + WG + FC	100	162	80	218	100	184	114	200	350	70,000
76	83	DADAL	PV + FC	200	296			150	204	228	200	400	40,000
77	9071	GALSHAR	PV + WG + FC	20	32	80	123	50	84	24	100	150	70,000
78	9072	BAYAN-OVOO	PV + FC	160	264			100	162	258	150	350	70,000
		DUNDGOVI											
79	84	ULZIIT	PV + WG + FC	30	47	30	75	50	74	36	50	100	30,000
80	85	UNDURSHIL	PV + WG + FC	20	37	80	123	50	82	36	100	150	60,000
81	86	BAYANJARGALAN	PV + WG + FC	10	17	30	62.5	50	72	12	50	100	30,000
82	87	ADAATSAG	PV + WG + FC	10	17	30	42.5	50	64	18	50	50	30,000
83	9082	KHULD	PV + WG + FC	20	37	30	85	50	74	42	50	100	20,000
84	9083	DELGERKHANGAI	PV + WG + FC	10	27	50	72.5	50	74	42	50	100	40,000
		UVURKHANGAI											
85	89	BOGD	PV + FC	100	166			50	94	174	100	250	60,000
86	90	BARUUN BAYAN-ULAAN	PV + FC	170	244			100	144	198	150	300	80,000
87	91	GUCHIN-US	PV + WG + FC	60	92	150	215	100	144	72	150	250	60,000
88	93	KHAI RHANDULAAN	PV + FC	90	146			50	94	174	100	200	50,000
89	94	NARI INTEEL	PV + FC	180	256			100	154	204	150	300	90,000
90	95	BAYANTEEG	PV + FC	50	94			50	82	102	50	150	30,000
		KHUVSGUL											
91	96	JARGALANT	PV + FC	200	200			150	150		150	350	80,000
92	97	GALT	PV + FC	100	100			100	100		100	150	40,000
93	98	SHINE-LDER	PV + FC	140	140			100	100		100	200	60,000
94	99	TUMURBULAG	PV + WG + FC		43	100	100	50	76	120	100	150	30,000
95	100	BURENTOGTOKH	PV + FC	50	98			50	84	120	50	150	30,000
96	101	TSETSERLEG	PV + FC	190	190			100	100		100	250	60,000
97	102	ARBULAG	FC								100		40,000
98	103	BAYANZURKH	FC								100		40,000
99	104	CHANDMANI-UNDUR	FC								100		40,000
100	105	TSAGAAN-UUR	FC								100		50,000
101	106	TSAGAAN-UUL	PV + FC	170	170			100	100		100	250	80,000
102	107	ULAAN-UUL	FC								150		60,000
103	108	RENCHINLKHUNBE	FC								100		50,000
104	109	TUNNEL	PV + FC	170	170			100	100		100	250	50,000

表 I.10.7-10 2015年における各ソム・センターの電力供給システム

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Capacity of Power Sources																
				Photovoltaic Cell (kWp)		Wind Generator (kW)		Inverter (kVA)		Battery (kAh)	Fuel Cell (Kw)	Hydrogen Production System (kWh)	Hydrogen Storage Capacity (MWh)							
				New	Total	New	Total	New	Total	Total	New	New	New							
105	110	TOSONTSENGEL	Grid																	
106	111	ALAG-ERDENE	PV + FC	160	160			100	100			100			200					50,000
107	112	KHATGAL	FC									150								70,000
108	113	TSAGAANNUUR	FC									100								50,000
109	114	ERDENEBULGAN	PV + FC	150	150			100	100			100			200					50,000
		ARKHANGAI																		
110	115	KHANGAI	FC									150								70,000
111	117	TSAKHIR	PV + FC	90	90			50	50			50			150					40,000
112	9111	CHULUUT	PV + FC	200	200			150	150			150			300					70,000
		ZAVKHAN																		
113	118	SHILUUSTEI	PV + FC	60	96			50	74			114	50		150					40,000
114	119	DURVULJIN	PV + FC	70	111			50	74			114	100		150					50,000
115	120	YARUU	PV + FC	70	86			50	64			54	100		150					50,000
116	121	ERDENEKHAIKHAAN	PV + FC	100	141			100	124			108	100		200					70,000
117	122	ZAVKHANMANDAL	PV + FC	60	101			50	84			114	100		150					40,000
118	123	URGAMAL	PV + FC	70	89			50	64			78	100		150					50,000
119	124	SANTMARGATS	PV + FC	100	146			50	84			114	100		200					70,000
120	125	TSETSEN-UUL	PV + FC	200	301			100	154			234	200		400					110,000
121	126	IDER	PV + WG + FC	30	78	100	100	50	84			150	100		200					60,000
122	127	IKH-UUL	PV + FC	110	170			100	136			156	100		250					70,000
123	128	TES	PV + FC	130	185			100	136			162	150		250					90,000
124	129	TSAGAANCHULUUT	PV + FC	70	109			50	74			108	100		150					50,000
125	130	TSAGAANKHAIKHAAN	PV + FC	70	101			50	74			114	100		150					40,000
126	131	TELMEN	PV + FC	70	131			50	84			144	100		200					40,000
127	132	TUDEVTEI	PV + FC	90	132			50	76			132	100		200					60,000
128	133	SONGINO	PV + FC	80	136			50	84			144	100		200					50,000
129	134	OTGON	PV + FC	200	256			150	184			144	150		300					110,000
130	135	NUMRUG	PV + FC	90	126			50	74			114	100		150					60,000
131	136	ASGAT	PV + FC	70	96			50	74			78	100		150					50,000
132	137	BAYANKHAIKHAAN	PV + FC	60	101			50	74			108	100		150					40,000
133	138	TOSONTSENGEL	PV + FC	410	534			250	404			336	450		650					350,000
134	9121	BAYANTES	PV + FC	80	113			50	74			120	100		150					50,000
135	9122	ALDARKHAAN	PV + FC	60	96			50	74			114	50		150					30,000
		BULGAN																		
136	139	TESHIG	FC									100								40,000
		UVS																		
137	140	UNDURKHANGAI	PV + FC	200	200			250	250			250	400		60,000					60,000
138	141	TSAGAANKHAIKHAAN	PV + FC	200	200			250	250			250	400		60,000					60,000
139	142	ZUUNKHANGAI	PV + FC	160	160			100	100			100	200		200					60,000
140	143	KHYARGAS	PV + FC	200	200			150	150			150	300		70,000					70,000
141	144	BARUUNTRUUN	PV + FC + Hyd	200	200			250	250			250	350		190,000					190,000
142	145	MALCHIN	PV + FC	200	200			200	200			200	400		40,000					40,000
143	146	ZUUNGOBI	PV + WG + FC	10	76	100	100	50	94			174	100		200					50,000
144	147	BUKHMURUN	PV + FC	200	200			150	150			150	300		100,000					100,000
145	148	ZAVKHAN	PV + FC	60	99			50	72			102	50		150					40,000
146	149	TES	PV + FC	140	140			100	100			100	200		40,000					40,000
		KHOVD																		
147	151	ZEREG	PV + FC	80	133			50	84			150	100		200					50,000
148	152	DARVI	PV + WG + FC	40	74	100	165	50	94			72	100		200					50,000
149	153	ALTAI	PV + FC	200	286			150	204			204	200		400					50,000
150	154	UYENCH	PV + FC	200	310			100	186			276	200		400					40,000
151	155	BULGAN	PV + FC	490	610			150	302			318	300		750					160,000
152	156	TSETSEG	PV + FC	90	90			50	50			50	150		40,000					40,000
153	157	MUST	PV + FC	200	200			150	150			150	300		90,000					90,000
154	158	MUNKHAIKHAAN	Hyd																	
155	159	MANKHAN	ReHyd + PV		8			4	30											
156	160	CHANDMANI	PV + FC	90	161			50	94			174	100		200					60,000

表 I.10.7-10 2015年における各ソム・センターの電力供給システム

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Capacity of Power Sources									
				Photovoltaic Cell (kWp)		Wind Generator (kW)		Inverter (kVA)		Battery (kAh)	Fuel Cell (Kw)	Hydrogen Production System (kWh)	Hydrogen Storage Capacity (MWh)
				New	Total	New	Total	New	Total	Total	New	New	New
157	163	DURGUN	PV + FC	140	191			100	134	144	150	250	80,000
158	9151	DUUT	FC								100		30,000
		BAYAN-ULGII											
159	164	TOLBO	PV + FC	150	150			100	100		100	200	50,000
160	165	TSAGAANNUUR	PV + WG + FC	80	80	200	200	150	150		150	250	140,000
161	166	BULGAN	FC								100		50,000
162	167	DELUUN	FC								100		50,000
163	168	ALTAI	FC								150		60,000
164	169	BUYANT	PV + FC	140	140			100	100		100	200	50,000
165	170	BAYANNUUR	Grid										
166	171	ALTANTSUGTS	Grid										
167	9161	NOGOONUUR	PV + FC	200	200			150	150		150	300	70,000

NewDG : New Diesel Generator
 ExDG : Existing Diesel Generator
 PV : Photovoltaic Cell

WG : Wind Generator
 FC : Fuel Cell

Hyd : Hydro-Generator
 Grid : Grid Connection

表I. 10. 7-11 電源以外の設備計画

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Facilities except Power Sources							
				Control House	Distribution System	Refurbishment of Indoor Wiring	Intelligent Management System	Hydro Generating System	Meteorological Observation Unit	Transmission Line	
				New	New	New	New	New	New	New	
UMNU-GOVI											
1	1	BAYANDALAI	NewDG + PV + WG	○	○	○	○		○		
2	2	BAYAN-OVOO	NewDG + PV + WG	○	○	○	○		○		
3	3	BULGAN	NewDG + PV + WG	○	○	○	○		○		
4	4	GURVANTES	ExDG + PV + WG	○	○	○	○		○		
5	5	MANDAL-OVOO	ExDG + PV	○	○	○	○		○		
6	6	MANLAI	ExDG + PV + WG	○	○	○	○		○		
7	7	NOYON	ExDG + PV + WG	○	○	○	○				
8	8	NOMGON	NewDG + PV + WG	○	○	○	○				
9	9	SEVREI	ExDG + PV + WG	○	○	○	○				
10	10	KHANBOGD	NewDG + PV + WG	○	○	○	○		○		
11	11	TSOGT-OVOO	NewDG + PV + WG	○	○	○	○				
12	12	KHURMEN	NewDG + PV	○	○	○	○				
13	13	TSOGT-TSETSII	NewDG + PV + WG	○	○	○	○				
GOVI-ALTAI											
14	14	ERDENE	ExDG + PV	○	○	○	○				
15	15	TSOGT	ExDG + PV	○	○	○	○		○		
16	16	CHANDMANI	ExDG + PV + WG	○	○	○	○		○		
17	17	ALTAI	ExDG + PV	○	○	○	○		○		
18	19	TAISHIR	NewDG + PV + WG	○	○	○	○		○		
19	20	BUGAT	NewDG + PV	○	○	○	○		○		
20	21	TSEEL	ExDG + PV + WG	○	○	○	○		○		
21	22	TUGRUG	NewDG + PV	○	○	○	○				
22	23	SHARGA	NewDG + PV	○	○	○	○		○		
23	24	TONKHIL	ExDG				○		○		
24	25	DARVI	ExDG + PV + WG	○	○	○	○		○		
25	26	KHALIUN	NewDG + PV + WG	○	○	○	○				
26	27	BIGER	ExDG + PV	○	○	○	○		○		
27	28	KHUKHMORIT	ExDG + PV	○	○	○	○		○		
28	29	BAYAN-UUL	NewDG + PV	○	○	○	○				
29	30	JARGALAN	NewDG + PV	○	○	○	○		○		
BAYANKHONGOR											
30	32	SHINEJINST	ExDG + PV + WG	○	○	○	○		○		
31	33	BAYAN-UNDUR	ExDG + PV + WG	○	○	○	○				
32	34	BAYANLIG	ExDG + PV	○	○	○	○				
33	35	BAYANGOBI	ExDG + PV	○	○	○	○		○		
34	36	BOGD	ExDG + PV + WG	○	○	○	○				
35	37	JINST	ExDG + PV	○	○	○	○		○		
36	38	BAATSAGAAN	ExDG + PV	○	○	○	○		○		
37	39	BAYAN-TSAGAAN	ExDG + PV	○	○	○	○		○		
38	40	KHUREEMARAL	ExDG + PV	○	○	○	○		○		
39	41	GURVANBULAG	NewDG + PV	○	○	○	○		○		
40	42	JARGALANT	ExDG + PV	○	○	○	○		○		
41	43	GALUUT	ExDG + PV	○	○	○	○		○		
42	44	ERDENETSOGT	ExDG + PV	○	○	○	○		○		
43	46	BAYANBULAG	ExDG + PV	○	○	○	○				
44	47	BUUTSAGAAN	ExDG + PV	○	○	○	○		○		
45	48	BUMBUGUR	ExDG + PV + WG	○	○	○	○		○		
46	50	ZAG	NewDG + PV	○	○	○	○				
DORNOGOVI											
47	51	ERDENE	NewDG + PV	○	○	○	○		○		
48	52	DELGEREKH	NewDG + PV + WG	○	○	○	○		○		
49	53	ZAMJIN-UUD	NewDG + PV	○	○	○	○				
50	54	MANDAKH	ExDG + PV + WG	○	○	○	○		○		
51	55	SAIKHANDULAAN	ExDG + PV + WG	○	○	○	○				
52	56	KHATANBULAG	ExDG + PV + WG	○	○	○	○		○		
53	57	KHUVSGUL	ExDG + PV	○	○	○	○		○		
54	9041	ULAANBADRAKH	NewDG + PV	○	○	○	○				
SUKHBAATAR											
55	58	ONGON	ExDG + PV + WG	○	○	○	○		○		

表I. 10. 7-11 電源以外の設備計画

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Facilities except Power Sources						
				Control House	Distribution System	Refurbishment of Indoor Wiring	Intelligent Management System	Hydro Generating System	Meteorological Observation Unit	Transmission Line
				New	New	New	New	New	New	New
56	59	DARIGANGA	ExDG + PV + WG	○	○	○	○			
57	60	NARAN	ExDG + PV + WG	○	○	○	○		○	
58	61	BAYANDELGER	ExDG + PV + WG	○	○	○	○		○	
59	62	ERDENETSAGAAN	ExDG + PV + WG	○	○	○	○		○	
60	63	SUKHBAATAR	Grid				○		○	○
61	64	TUMENTSOGT	ExDG + PV + WG	○	○	○	○		○	
62	65	TUVSHINSHIREE	NewDG + PV + WG	○	○	○	○		○	
63	66	UUL-BAYAN	NewDG + PV	○	○	○	○		○	
64	67	MUNKHKAHAN	NewDG + PV + WG	○	○	○	○		○	
DORNOD										
65	69	MATAD	NewDG + PV + WG	○	○	○	○		○	
66	71	KHALKHGOL	NewDG + PV	○	○	○	○		○	
67	72	KHULUN-BUIR	ExDG + PV + WG	○	○	○	○		○	
68	73	TSAGAAN-OVOO	ExDG + PV	○	○	○	○		○	
69	74	CHULUUNKHOROOT	NewDG + PV + WG	○	○	○	○		○	
70	75	BAYAN-UUL	NewDG + PV	○	○	○	○		○	
71	76	BAYANDUN	NewDG + PV	○	○	○	○		○	
KHENTI I										
72	78	BAYAN-ADRAGA	ExDG + PV	○	○	○	○		○	
73	79	BINDER	ExDG + PV	○	○	○	○		○	
74	80	BATSHIREET	ExDG + PV	○	○	○	○		○	
75	81	NOROVLIN	ExDG + PV + WG	○	○	○	○		○	
76	83	DADAL	ExDG + PV	○	○	○	○		○	
77	9071	GALSHAR	ExDG + PV + WG	○	○	○	○		○	
78	9072	BAYAN-OVOO	ExDG + PV	○	○	○	○		○	
DUNDGOVI										
79	84	ULZIIT	ExDG + PV + WG	○	○	○	○		○	
80	85	UNDURSHIL	ExDG + PV + WG	○	○	○	○		○	
81	86	BAYANJARGALAN	ExDG + PV + WG	○	○	○	○		○	
82	87	ADAATSAG	NewDG + PV + WG	○	○	○	○		○	
83	9082	KHULD	NewDG + PV + WG	○	○	○	○		○	
84	9083	DELGERKHANGAI	NewDG + PV + WG	○	○	○	○		○	
UVURKHANGAI										
85	89	BOGD	ExDG + PV	○	○	○	○		○	
86	90	BARUUN BAYAN-ULAAN	ExDG + PV	○	○	○	○		○	
87	91	GUCHIN-US	ExDG + PV + WG	○	○	○	○		○	
88	93	KHAI RHANDULAAN	ExDG + PV	○	○	○	○		○	
89	94	NARIINTEEL	ExDG + PV	○	○	○	○		○	
90	95	BAYANTEEG	NewDG + PV	○	○	○	○		○	
KHUVSGUL										
91	96	JARGALANT	ExDG				○		○	
92	97	GALT	ExDG				○		○	
93	98	SHINE-LDER	ExDG				○		○	
94	99	TUMURBULAG	NewDG + PV	○	○	○	○		○	
95	100	BURENTOGTOKH	NewDG + PV	○	○	○	○		○	
96	101	TSETSERLEG	NewDG				○		○	
97	102	ARBULAG	ExDG				○		○	
98	103	BAYANZURKH	ExDG				○		○	
99	104	CHANDMANI-UNDUR	ExDG				○		○	
100	105	TSAGAAN-UUR	ExDG				○		○	
101	106	TSAGAAN-UUL	NewDG				○		○	
102	107	ULAAN-UUL	ExDG				○		○	
103	108	RENCHINLKHUNBE	ExDG				○		○	
104	109	TUNNEL	NewDG				○		○	
105	110	TOSONTSENGEL	Grid				○		○	○
106	111	ALAG-ERDENE	NewDG				○		○	
107	112	KHATGAL	ExDG				○		○	
108	113	TSAGAANNUUR	ExDG				○		○	
109	114	ERDENEBUGAN	ExDG				○		○	
ARKHANGAI										

表I. 10. 7-11 電源以外の設備計画

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Facilities except Power Sources						
				Control House	Distribution System	Refurbishment of Indoor Wiring	Intelligent Management System	Hydro Generating System	Meteorological Observation Unit	Transmission Line
				New	New	New	New	New	New	New
110	115	KHANGAI	ExDG				○			
111	117	TSAKHIR	ExDG				○		○	
112	9111	CHULUUT	ExDG				○		○	
ZAVKHAN										
113	118	SHILUUSTEI	NewDG + PV	○	○	○	○			
114	119	DURVULJIN	ExDG + PV	○	○	○	○		○	
115	120	YARUU	NewDG + PV	○	○	○	○			
116	121	ERDENEKHAIRKHAN	ExDG + PV	○	○	○	○			
117	122	ZAVKHANMANDAL	ExDG + PV	○	○	○	○			
118	123	URGAMAL	ExDG + PV	○	○	○	○		○	
119	124	SANTMARGATS	ExDG + PV	○	○	○	○		○	
120	125	TSETSEN-UUL	ExDG + PV	○	○	○	○		○	
121	126	IDER	ExDG + PV	○	○	○	○		○	
122	127	IKH-UUL	NewDG + PV	○	○	○	○		○	
123	128	TES	ExDG + PV	○	○	○	○		○	
124	129	TSAGAANCHULUUT	NewDG + PV	○	○	○	○		○	
125	130	TSAGAANKHAIRKHAN	NewDG + PV	○	○	○	○			
126	131	TELMEN	NewDG + PV	○	○	○	○		○	
127	132	TUDEVTEI	NewDG + PV	○	○	○	○			
128	133	SONGINO	ExDG + PV	○	○	○	○			
129	134	OTGON	NewDG + PV	○	○	○	○			
130	135	NUMRUG	ExDG + PV	○	○	○	○		○	
131	136	ASGAT	ExDG + PV	○	○	○	○			
132	137	BAYANKHAIRKHAN	NewDG + PV	○	○	○	○		○	
133	138	TOSONSENGEL	NewDG + PV	○	○	○	○			
134	9121	BAYANTES	NewDG + PV	○	○	○	○		○	
135	9122	ALDARKHAAN	NewDG + PV	○	○	○	○			
BULGAN										
136	139	TESHIG	ExDG				○			
UVS										
137	140	UNDURKHANGAI	NewDG				○		○	
138	141	TSAGAANKHAIRKHAN	ExDG				○		○	
139	142	ZUUNKHANGAI	ExDG				○		○	
140	143	KHYARGAS	ExDG				○		○	
141	144	BARUUNTRUUN	NewDG+ Hyd				○	○	○	
142	145	MALCHIN	ExDG				○		○	
143	146	ZUUNGOBI	ExDG + PV	○	○	○	○		○	
144	147	BUKHMURUN	NewDG				○		○	
145	148	ZAVKHAN	NewDG + PV	○	○	○	○		○	
146	149	TES	ExDG				○		○	
KHOVD										
147	151	ZEREG	ExDG + PV	○	○	○	○			
148	152	DARVI	ExDG + PV + WG	○	○	○	○		○	
149	153	ALTAI	NewDG + PV	○	○	○	○		○	
150	154	UYENGH	NewDG + PV	○	○	○	○			
151	155	BULGAN	ExDG + PV	○	○	○	○			
152	156	TSETSEG	ExDG				○			
153	157	MUST	ExDG				○		○	
154	158	MUNKHKHAIRKHAN	ExDG + Hyd				○	○		
155	159	MANKHAN	NewDG+ PV +Hyd	○	○	○	○		○	
156	160	CHANDMANI	ExDG + PV	○	○	○	○		○	
157	163	DURGUN	NewDG + PV	○	○	○	○		○	
158	9151	DUUT	NewDG				○			
BAYAN-ULGII										
159	164	TOLBO	NewDG				○		○	
160	165	TSAGAANNUUR	NewDG				○		○	
161	166	BULGAN	ExDG				○			
162	167	DELUUN	ExDG				○			
163	168	ALTAI	NewDG				○			
164	169	BUYANT	NewDG				○		○	

表I. 10. 7-11 電源以外の設備計画

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Facilities except Power Sources						
				Control House	Distribution System	Refurbishment of Indoor Wiring	Intelligent Management System	Hydro Generating System	Meteorological Observation Unit	Transmission Line
				New	New	New	New	New	New	New
165	170	BAYANNUUR	Grid				○			○
166	171	ALTANTSUGTS	Grid				○			○
167	9161	NOGOONUUR	NewDG				○		○	

表I. 10. 7-11 電源以外の設備計画

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Facilities except Power Sources		
				Distribution System	Intelligent Management System	Hydro Generating System
				New	New	New
UMNU-GOVI						
1	1	BAYANDALAI	NewDG + PV + WG	○	○	
2	2	BAYAN-OVOO	NewDG + PV + WG	○	○	
3	3	BULGAN	NewDG + PV + WG	○	○	
4	4	GURVANTES	ExDG + PV + WG	○	○	
5	5	MANDAL-OVOO	ExDG + PV	○	○	
6	6	MANLAI	ExDG + PV + WG	○	○	
7	7	NOYON	ExDG + PV + WG	○	○	
8	8	NOMGON	NewDG + PV + WG	○	○	
9	9	SEVREI	ExDG + PV + WG	○	○	
10	10	KHANBOGD	NewDG + PV + WG	○	○	
11	11	TSOGT-OVOO	NewDG + PV + WG	○	○	
12	12	KHURMEN	NewDG + PV	○	○	
13	13	TSOGT-TSETSII	NewDG + PV + WG	○	○	
GOVI-ALTAI						
14	14	ERDENE	ExDG + PV	○	○	
15	15	TSOGT	ExDG + PV	○	○	
16	16	CHANDMANI	ExDG + PV + WG	○	○	
17	17	ALTAI	ExDG + PV	○	○	
18	19	TAISHIR	NewDG + PV + WG	○	○	
19	20	BUGAT	NewDG + PV	○	○	
20	21	TSEEL	ExDG + PV + WG	○	○	
21	22	TUGRUG	NewDG + PV	○	○	
22	23	SHARGA	NewDG + PV	○	○	
23	24	TONKHIL	ExDG	○	○	
24	25	DARVI	ExDG + PV + WG	○	○	
25	26	KHALIUN	NewDG + PV + WG	○	○	
26	27	BIGER	ExDG + PV	○	○	
27	28	KHUKHMORIT	ExDG + PV	○	○	
28	29	BAYAN-UUL	NewDG + PV	○	○	
29	30	JARGALAN	NewDG + PV	○	○	
BAYANKHONGOR						
30	32	SHINEJINST	ExDG + PV + WG	○	○	
31	33	BAYAN-UNDUR	ExDG + PV + WG	○	○	
32	34	BAYANLIG	ExDG + PV	○	○	
33	35	BAYANGOBI	ExDG + PV	○	○	
34	36	BOGD	ExDG + PV + WG	○	○	
35	37	JINST	ExDG + PV	○	○	
36	38	BAATSAGAAN	ExDG + PV	○	○	
37	39	BAYAN-TSAGAAN	ExDG + PV	○	○	
38	40	KHUREEMARAL	ExDG + PV	○	○	
39	41	GURVANBULAG	NewDG + PV	○	○	
40	42	JARGALANT	ExDG + PV	○	○	
41	43	GALUUT	ExDG + PV	○	○	
42	44	ERDENETSOGT	ExDG + PV	○	○	
43	46	BAYANBULAG	ExDG + PV	○	○	
44	47	BUUTSAGAAN	ExDG + PV	○	○	
45	48	BUMBUGUR	ExDG + PV + WG	○	○	
46	50	ZAG	NewDG + PV	○	○	
DORNGOVI						
47	51	ERDENE	NewDG + PV	○	○	
48	52	DELGEREKH	NewDG + PV + WG	○	○	
49	53	ZAMIIIN-UUD	NewDG + PV	○	○	
50	54	MANDAKH	ExDG + PV + WG	○	○	
51	55	SAIKHANDULAAN	ExDG + PV + WG	○	○	
52	56	KHATANBULAG	ExDG + PV + WG	○	○	
53	57	KHUVSGUL	ExDG + PV	○	○	
54	9041	ULAANBADRAKH	NewDG + PV	○	○	
SUKHBAATAR						
55	58	ONGON	ExDG + PV + WG	○	○	
56	59	DARIGANGA	ExDG + PV + WG	○	○	

表I. 10. 7-11 電源以外の設備計画

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Facilities except Power Sources		
				Distribution System	Intelligent Management System	Hydro Generating System
				New	New	New
57	60	NARAN	ExDG + PV + WG	○	○	
58	61	BAYANDELGER	ExDG + PV + WG	○	○	
59	62	ERDENETSAGAAN	ExDG + PV + WG	○	○	
60	63	SUKHBAATAR	Grid	○	○	
61	64	TUMENTSOGT	ExDG + PV + WG	○	○	
62	65	TUVSHINSHIREE	NewDG + PV + WG	○	○	
63	66	UUL-BAYAN	NewDG + PV	○	○	
64	67	MUNKHKAAN	NewDG + PV + WG	○	○	
DORNOD						
65	69	MATAD	NewDG + PV + WG	○	○	
66	71	KHALKHGOL	NewDG + PV	○	○	
67	72	KHULUN-BUIR	ExDG + PV + WG	○	○	
68	73	TSAGAAN-OVOO	ExDG + PV	○	○	
69	74	CHULUUNKHOROOT	NewDG + PV + WG	○	○	
70	75	BAYAN-UUL	NewDG + PV	○	○	
71	76	BAYANDUN	NewDG + PV	○	○	
KHENTI I						
72	78	BAYAN-ADRAGA	ExDG + PV	○	○	
73	79	BINDER	ExDG + PV	○	○	
74	80	BATSHIREET	ExDG + PV	○	○	
75	81	NOROVLIN	ExDG + PV + WG	○	○	
76	83	DADAL	ExDG + PV	○	○	
77	9071	GALSHAR	ExDG + PV + WG	○	○	
78	9072	BAYAN-OVOO	ExDG + PV	○	○	
DUNDGOVI						
79	84	ULZIT	ExDG + PV + WG	○	○	
80	85	UNDURSHIL	ExDG + PV + WG	○	○	
81	86	BAYANJARGALAN	ExDG + PV + WG	○	○	
82	87	ADAATSAG	NewDG + PV + WG	○	○	
83	9082	KHULD	NewDG + PV + WG	○	○	
84	9083	DELGERKHANGAI	NewDG + PV + WG	○	○	
UVURKHANGAI						
85	89	BOGD	ExDG + PV	○	○	
86	90	BARUUN BAYAN-ULAA	ExDG + PV	○	○	
87	91	GUCHIN-US	ExDG + PV + WG	○	○	
88	93	KHAIRHANDULAAN	ExDG + PV	○	○	
89	94	NARIINTEEL	ExDG + PV	○	○	
90	95	BAYANTEEG	NewDG + PV	○	○	
KHUVSGUL						
91	96	JARGALANT	ExDG	○	○	
92	97	GALT	ExDG	○	○	
93	98	SHINE-LDER	ExDG	○	○	
94	99	TUMURBULAG	NewDG + PV	○	○	
95	100	BURENTOGTOKH	NewDG + PV	○	○	
96	101	TSETSERLEG	NewDG	○	○	
97	102	ARBULAG	ExDG	○	○	
98	103	BAYANZURKH	ExDG	○	○	
99	104	CHANDMANI-UNDUR	ExDG	○	○	
100	105	TSAGAAN-UUR	ExDG	○	○	
101	106	TSAGAAN-UUL	NewDG	○	○	
102	107	ULAAN-UUL	ExDG	○	○	
103	108	RENCHINLKHUNBE	ExDG	○	○	
104	109	TUNNEL	NewDG	○	○	
105	110	TOSONTSENGEL	Grid	○	○	
106	111	ALAG-ERDENE	NewDG	○	○	
107	112	KHATGAL	ExDG	○	○	
108	113	TSAGAANNUUR	ExDG	○	○	
109	114	ERDENEBUGAN	ExDG	○	○	
ARKHANGAI						
110	115	KHANGAI	ExDG	○	○	
111	117	TSAKHIR	ExDG	○	○	

表I. 10. 7-11 電源以外の設備計画

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Facilities except Power Sources		
				Distribution System	Intelligent Management System	Hydro Generating System
				New	New	New
112	9111	CHULUUT	ExDG	○	○	
		ZAVKHAN				
113	118	SHILUUSTEI	NewDG + PV	○	○	
114	119	DURVULJIN	ExDG + PV	○	○	
115	120	YARUU	NewDG + PV	○	○	
116	121	ERDENEKHAIRKHAN	ExDG + PV	○	○	
117	122	ZAVKHANMANDAL	ExDG + PV	○	○	
118	123	URGAMAL	ExDG + PV	○	○	
119	124	SANTMARGATS	ExDG + PV	○	○	
120	125	TSETSEN-UUL	ExDG + PV	○	○	
121	126	IDER	ExDG + PV	○	○	
122	127	IKH-UUL	NewDG + PV	○	○	
123	128	TES	ExDG + PV	○	○	
124	129	TSAGAANCHULUUT	NewDG + PV	○	○	
125	130	TSAGAANKHAIRKHAN	NewDG + PV	○	○	
126	131	TELMEN	NewDG + PV	○	○	
127	132	TUDEVTEI	NewDG + PV	○	○	
128	133	SONGINO	ExDG + PV	○	○	
129	134	OTGON	NewDG + PV	○	○	
130	135	NUMRUG	ExDG + PV	○	○	
131	136	ASGAT	ExDG + PV	○	○	
132	137	BAYANKHAIRKHAN	NewDG + PV	○	○	
133	138	TOSONSENGEL	NewDG + PV	○	○	
134	9121	BAYANTES	NewDG + PV	○	○	
135	9122	ALDARKHAAN	NewDG + PV	○	○	
		BULGAN				
136	139	TESHIG	ExDG	○	○	
		UVS				
137	140	UNDURKHANGAI	NewDG	○	○	
138	141	TSAGAANKHAIRKHAN	ExDG	○	○	
139	142	ZUUNKHANGAI	ExDG	○	○	
140	143	KHYARGAS	ExDG	○	○	
141	144	BARUUNTRUUN	NewDG+ Hyd	○	○	
142	145	MALCHIN	ExDG	○	○	
143	146	ZUUNGOBI	ExDG + PV	○	○	
144	147	BUKHMURUN	NewDG	○	○	
145	148	ZAVKHAN	NewDG + PV	○	○	
146	149	TES	ExDG	○	○	
		KHOVD				
147	151	ZEREG	ExDG + PV	○	○	
148	152	DARVI	ExDG + PV + WG	○	○	
149	153	ALTAI	NewDG + PV	○	○	
150	154	UYENCH	NewDG + PV	○	○	
151	155	BULGAN	ExDG + PV	○	○	
152	156	TSETSEG	ExDG	○	○	
153	157	MUST	ExDG	○	○	
154	158	MUNKHKHAIRKHAN	ExDG+Hyd	○	○	
155	159	MANKHAN	NewDG + PV + Hyd	○	○	○
156	160	CHANDMANI	ExDG + PV	○	○	
157	163	DURGUN	NewDG + PV	○	○	
158	9151	DUUT	NewDG	○	○	
		BAYAN-ULGI I				
159	164	TOLBO	NewDG	○	○	
160	165	TSAGAANNUUR	NewDG	○	○	
161	166	BULGAN	ExDG	○	○	
162	167	DELUUN	ExDG	○	○	
163	168	ALTAI	NewDG	○	○	
164	169	BUYANT	NewDG	○	○	
165	170	BAYANNUUR	Grid	○	○	
166	171	ALTANTSUGTS	Grid	○	○	
167	9161	NOGOONUUR	NewDG	○	○	

表I. 10. 7-11 電源以外の設備計画

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Facilities except Power Sources			
				Control House	Distribution System	Intelligent Management System	Hydrogen Fuel Transportation
				New	New	New	New
UMNU-GOVI							
1	1	BAYANDALAI	PV + WG + FC		○	○	
2	2	BAYAN-OVOO	PV + WG + FC		○	○	
3	3	BULGAN	PV + WG + FC		○	○	
4	4	GURVANTES	PV + WG + FC		○	○	
5	5	MANDAL-OVOO	PV + WG + FC		○	○	
6	6	MANLAI	PV + WG + FC		○	○	
7	7	NOYON	PV + WG + FC		○	○	
8	8	NOMGON	PV + WG + FC		○	○	
9	9	SEVREI	PV + WG + FC		○	○	
10	10	KHANBOGD	PV + WG + FC		○	○	
11	11	TSOGT-OVOO	PV + WG + FC		○	○	
12	12	KHURMEN	PV + WG + FC		○	○	
13	13	TSOGT-TSETSII	PV + WG + FC		○	○	
GOVI-ALTAI							
14	14	ERDENE	PV + FC		○	○	
15	15	TSOGT	PV + FC		○	○	
16	16	CHANDMANI	PV + WG + FC		○	○	
17	17	ALTAI	PV + FC		○	○	
18	19	TAISHIR	PV + WG + FC		○	○	
19	20	BUGAT	PV + WG + FC		○	○	
20	21	TSEEL	PV + WG + FC		○	○	
21	22	TUGRUG	PV + FC		○	○	
22	23	SHARGA	PV + FC		○	○	
23	24	TONKHIL	PV + FC	○	○	○	
24	25	DARVI	PV + WG + FC		○	○	
25	26	KHALIUN	PV + WG + FC		○	○	
26	27	BIGER	PV + FC		○	○	
27	28	KHUKHMORIT	PV + FC		○	○	
28	29	BAYAN-UUL	PV + FC		○	○	
29	30	JARGALAN	PV + FC		○	○	
BAYANKHONGOR							
30	32	SHINEJINST	PV + WG + FC		○	○	
31	33	BAYAN-UNDUR	PV + WG + FC		○	○	
32	34	BAYANLIG	PV + FC		○	○	
33	35	BAYANGOBI	PV + FC		○	○	
34	36	BOGD	PV + WG + FC		○	○	
35	37	JINST	PV + FC		○	○	
36	38	BAATSAGAAN	PV + FC		○	○	
37	39	BAYAN-TSAGAAN	PV + FC		○	○	
38	40	KHUREEMARAL	PV + FC		○	○	
39	41	GURVANBULAG	PV + FC		○	○	
40	42	JARGALANT	PV + FC		○	○	
41	43	GALUUT	PV + FC		○	○	
42	44	ERDENETSOGT	PV + FC		○	○	
43	46	BAYANBULAG	PV + FC		○	○	
44	47	BUUTSAGAAN	PV + FC		○	○	
45	48	BUMBUGUR	PV + WG + FC		○	○	
46	50	ZAG	PV + FC		○	○	
DORNOGOVI							
47	51	ERDENE	PV + FC		○	○	
48	52	DELGEREKH	PV + WG + FC		○	○	
49	53	ZAMIN-UUD	PV + FC		○	○	
50	54	MANDAKH	PV + WG + FC		○	○	
51	55	SAIKHANDULAAN	PV + WG + FC		○	○	
52	56	KHATANBULAG	PV + WG + FC		○	○	
53	57	KHUVSGUL	PV + FC		○	○	
54	9041	ULAANBADRAKH	PV + FC		○	○	
SUKHBAATAR							
55	58	ONGON	PV + WG + FC		○	○	
56	59	DARIGANGA	PV + WG + FC		○	○	

表I. 10. 7-11 電源以外の設備計画

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Facilities except Power Sources			
				Control House	Distribution System	Intelligent Management System	Hydrogen Fuel Transportation
				New	New	New	New
57	60	NARAN	PV + WG + FC		○	○	
58	61	BAYANDELGER	PV + WG + FC		○	○	
59	62	ERDENETSAGAAN	PV + WG + FC		○	○	
60	63	SUKHBAATAR	Grid		○	○	
61	64	TUMENTSOGT	PV + WG + FC		○	○	
62	65	TUVSHINSHIREE	PV + WG + FC		○	○	
63	66	UUL-BAYAN	PV + FC		○	○	
64	67	MUNKHKHAAN	PV + WG + FC		○	○	
		DORNOD					
65	69	MATAD	PV + WG + FC		○	○	
66	71	KHALKHGOL	PV + FC		○	○	
67	72	KHULUN-BUIR	PV + WG + FC		○	○	
68	73	TSAGAAN-OV00	PV + FC		○	○	
69	74	CHULUUNKHOROOT	PV + WG + FC		○	○	○
70	75	BAYAN-UUL	PV + FC		○	○	
71	76	BAYANDUN	PV + FC		○	○	
		KHENTII					
72	78	BAYAN-ADRAGA	PV + WG + FC		○	○	
73	79	BINDER	PV + FC		○	○	○
74	80	BATSHIREET	PV + FC		○	○	
75	81	NOROVLIN	PV + WG + FC		○	○	
76	83	DADAL	PV + FC		○	○	○
77	9071	GALSHAR	PV + WG + FC		○	○	
78	9072	BAYAN-OV00	PV + FC		○	○	
		DUNDGOVI					
79	84	ULZIT	PV + WG + FC		○	○	
80	85	UNDURSHIL	PV + WG + FC		○	○	
81	86	BAYANJARGALAN	PV + WG + FC		○	○	
82	87	ADAATSAG	PV + WG + FC		○	○	
83	9082	KHULD	PV + WG + FC		○	○	
84	9083	DELGERKHANGAI	PV + WG + FC		○	○	
		UVURKHANGAI					
85	89	BOGD	PV + FC		○	○	
86	90	BARUUN BAYAN-ULA	PV + FC		○	○	
87	91	GUCHIN-US	PV + WG + FC		○	○	
88	93	KHAIRHANDULAAN	PV + FC		○	○	
89	94	NARIINTEEL	PV + FC		○	○	
90	95	BAYANTEEG	PV + FC		○	○	
		KHUVSGUL					
91	96	JARGALANT	PV + FC	○	○	○	
92	97	GALT	PV + FC	○	○	○	
93	98	SHINE-LDER	PV + FC	○	○	○	
94	99	TUMURBULAG	PV + WG + FC		○	○	
95	100	BURENTOGTOKH	PV + FC		○	○	
96	101	TSETSERLEG	PV + FC	○	○	○	
97	102	ARBULAG	FC	○	○	○	○
98	103	BAYANZURKH	FC	○	○	○	○
99	104	CHANDMANI-UNDUR	FC	○	○	○	○
100	105	TSAGAAN-UUR	FC	○	○	○	○
101	106	TSAGAAN-UUL	PV + FC	○	○	○	
102	107	ULAAN-UUL	FC	○	○	○	○
103	108	RENCHINLKHUNBE	FC	○	○	○	○
104	109	TUNNEL	PV + FC	○	○	○	
105	110	TOSONTSENGEL	Grid		○	○	
106	111	ALAG-ERDENE	PV + FC	○	○	○	
107	112	KHATGAL	FC	○	○	○	○
108	113	TSAGAANNUUR	FC	○	○	○	○
109	114	ERDENEBUGAN	PV + FC	○	○	○	
		ARKHANGAI					
110	115	KHANGAI	FC	○	○	○	○
111	117	TSAKHIR	PV + FC	○	○	○	

表I. 10. 7-11 電源以外の設備計画

Serial No.	Original No. (ID No.)	Sum Name	Power Sources	Facilities except Power Sources			
				Control House	Distribution System	Intelligent Management System	Hydrogen Fuel Transportation
				New	New	New	New
112	9111	CHULUUT	PV + FC	○	○	○	
		ZAVKHAN					
113	118	SHILUUSTEI	PV + FC		○	○	
114	119	DURVULJIN	PV + FC		○	○	
115	120	YARUU	PV + FC		○	○	
116	121	ERDENEKHAIRKHAN	PV + FC		○	○	
117	122	ZAVKHANMANDAL	PV + FC		○	○	
118	123	URGAMAL	PV + FC		○	○	
119	124	SANTMARGATS	PV + FC		○	○	
120	125	TSETSEN-UUL	PV + FC		○	○	
121	126	IDER	PV + WG + FC		○	○	
122	127	IKH-UUL	PV + FC		○	○	
123	128	TES	PV + FC		○	○	
124	129	TSAGAANCHULUUT	PV + FC		○	○	
125	130	TSAGAANKHAIRKHAN	PV + FC		○	○	
126	131	TELMEN	PV + FC		○	○	
127	132	TUDEVTEI	PV + FC		○	○	
128	133	SONGINO	PV + FC		○	○	
129	134	OTGON	PV + FC		○	○	
130	135	NUMRUG	PV + FC		○	○	
131	136	ASGAT	PV + FC		○	○	
132	137	BAYANKHAIRKHAN	PV + FC		○	○	
133	138	TOSONTSENGEL	PV + FC		○	○	
134	9121	BAYANTES	PV + FC		○	○	
135	9122	ALDARKHAAN	PV + FC		○	○	
		BULGAN					
136	139	TESHIG	FC	○	○	○	○
		UVS					
137	140	UNDURKHANGAI	PV + FC	○	○	○	○
138	141	TSAGAANKHAIRKHAN	PV + FC	○	○	○	○
139	142	ZUUNKHANGAI	PV + FC	○	○	○	
140	143	KHYARGAS	PV + FC	○	○	○	
141	144	BARUUNTRUUN	PV + FC + Hyd	○	○	○	
142	145	MALCHIN	PV + FC	○	○	○	○
143	146	ZUUNGOBI	PV + WG + FC		○	○	
144	147	BUKHMURUN	PV + FC	○	○	○	
145	148	ZAVKHAN	PV + FC		○	○	
146	149	TES	PV + FC	○	○	○	
		KHOVD					
147	151	ZEREG	PV + FC		○	○	
148	152	DARVI	PV + WG + FC		○	○	
149	153	ALTAI	PV + FC		○	○	○
150	154	UYENCH	PV + FC		○	○	○
151	155	BULGAN	PV + FC		○	○	
152	156	TSETSEG	PV + FC	○	○	○	
153	157	MUST	PV + FC	○	○	○	
154	158	MUNKHKHAIRKHAN	Hyd		○	○	
155	159	MANKHAN	ReHyd + PV		○	○	
156	160	CHANDMANI	PV + FC		○	○	
157	163	DURGUN	PV + FC		○	○	
158	9151	DUUT	FC	○	○	○	
		BAYAN-ULGI I					
159	164	TOLBO	PV + FC	○	○	○	
160	165	TSAGAANNUUR	PV + WG + FC	○	○	○	
161	166	BULGAN	FC	○	○	○	○
162	167	DELUUN	FC	○	○	○	○
163	168	ALTAI	FC	○	○	○	○
164	169	BUYANT	PV + FC	○	○	○	
165	170	BAYANNUUR	Grid		○	○	
166	171	ALTANTSUGTS	Grid		○	○	
167	9161	NOGOONUUR	PV + FC	○	○	○	○

表I.10.8-2 List of Necessary Facilities for Optimum Distribution System in 2005

No.	Item	Unit	Quantity
1	10kV outdoor overhead power cable line, power plant - substation with 30m span concrete poles, ABC 3 x 50 sq.mm copper cable	km	2
2	10kV/400-230V 31.5 kVA oil immersed transformer with accessories	set	2
3	10kV cubicle for the above item (3) with accessories	set	2
4	10kV cubicle for 10kV switchgear including circuit breaker, disconnecting switch, surge absorber, current transformers, voltage transformers, etc.	set	2
5	Low voltage outdoor overhead distribution lines, substation - public consumers, with 30m span concrete poles, OW 1 x 4 x 35 sq..mm	m	1000
6	Low voltage cubicle including molded case circuit breakers, surge absorber, current transformers, voltage transformers, meters, etc.	set	2
7	Low voltage indoor wiring materials for public consumers including cables, pipes, pull boxes, joint boxes, earthing materials, etc., 2c x 3.5 sq.mm	m	400
8	Low voltage outdoor wiring materials for general consumers(service wire) including messenger wire, earthing materials, etc., 2c x 3.5 sq.mm	m	40
9	Low voltage power cable, XLPE 4c x 50 sq.mm	m	100
10	Lighting fixtures(60sets) and convenience outlet(20sets), fluorescent light 20W Outlet 2P x 10A	lot	1
11	Safety breaker and watt-hour meter with mounting box	set	4
12	Miscellaneous materials, power and control cables, earthing grid materials, etc.	lot	1
13	Maintenance special tools and spare parts	lot	1
14	Civil foundation and building works	lot	1
15	Inland transportation work	lot	1
16	Installation and erection works	lot	1

表I.10.8-3 List of Necessary Facilities for Optimum Distribution System in 2010

No.	Item	Unit	Quantity
1	10kV outdoor overhead power cable line, power plant - substation with 30m span concrete poles, ABC 3 x 50 sq.mm copper cable	km	2
2	10kV/400-230V 31.5 kVA oil immersed transformer with accessories	set	4
3	10kV cubicle for the above item (3) with accessories	set	4
4	10kV cubicle for 10kV switchgear including circuit breaker, disconnecting switch, surge absorber, current transformers, voltage transformers, etc.	set	4
5	Low voltage outdoor overhead distribution lines, substation - general and public consumers, with 30m span concrete poles, OW 1 x 4 x 35 sq.mm	km	40
6	Low voltage cubicle including molded case circuit breakers, surge absorber, current transformers, voltage transformers, meters, etc.	set	4
7	Low voltage outdoor wiring materials for general consumers(service wire) including messenger wire, earthing materials, etc., 2c x 3.5 sq.mm	m	2000
8	Low voltage power cable, XLPE 4c x 50 sq.mm	m	400
9	Safety breaker and watthour meter with mounting box for general consumers, one breaker and one watthour meter in one box	set	200
10	Miscellaneous materials, power and control cables, earthing grid materials, etc.	lot	1
11	Maintenance special tools and spare parts	lot	1
12	Civil foundation and building works	lot	1
13	Inland transportation work	lot	1
14	Installation and erection works	lot	1

表I.10.8-4 List of Necessary Facilities for Optimum Distribution System in 2015

No.	Item	Unit	Quantity
1	Low voltage outdoor overhead distribution lines, substation - general consumers, with 30m span concrete poles, OW 1 x 4 x 35 sq.mm	m	1000
2	Low voltage power cable, XLPE 4c x 50 sq.mm	m	20
3	Low voltage outdoor wiring materials for general consumers(service wire) including messenger wire, earthing materials, etc., 2c x 3.5 sq.mm	m	40
4	Safety breaker and watt-hour meter with mounting box	set	40
5	Miscellaneous materials, power and control cables, earthing grid materials, etc.	lot	1
6	Maintenance special tools and spare parts	lot	1
7	Civil foundation and building works	lot	1
8	Inland transportation work	lot	1
9	Installation and erection works	lot	1

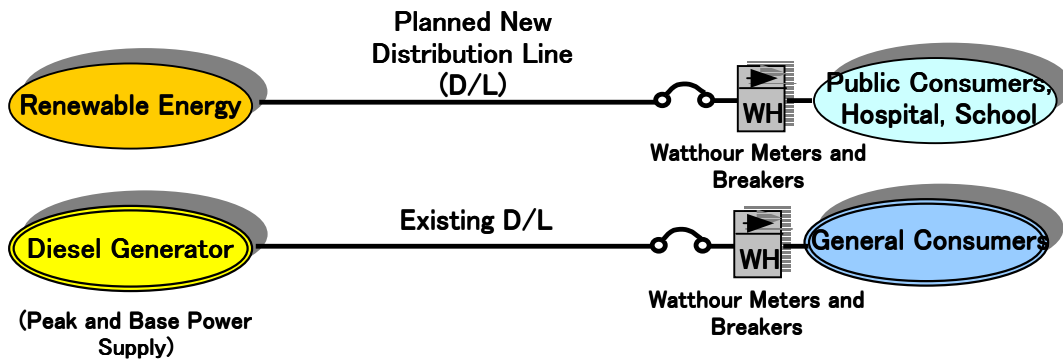


図 I .10.8-1 2005年における配電計画

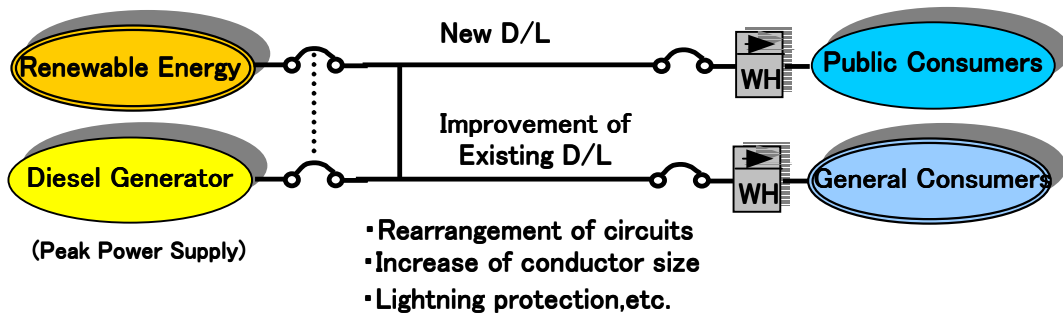


図 I .10.8-2 2010年における配電計画

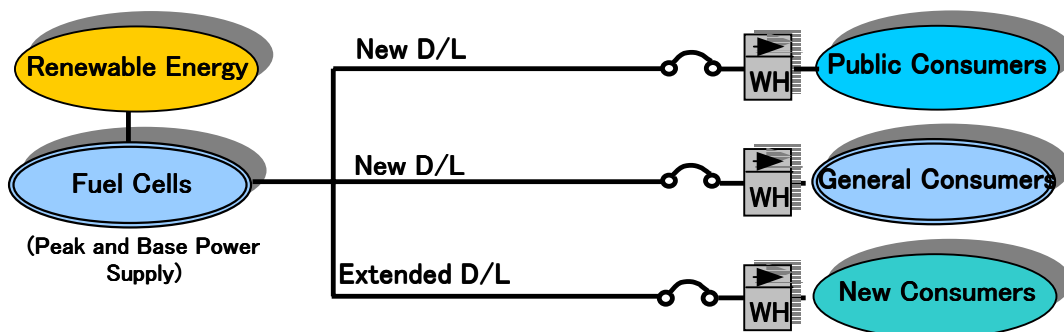


図 I .10.8.3 2015年における配電計画

表1.10.9-3 List of Communication Facilities in 2005

Each Sum center

No.	Item	Unit	Quantity
1	Desk top type computer with accessories	set	2
2	Uninterruptible Power Supply unit, 220V 1hour	set	1
3	Digital Video Disk unit with disk and accessories	set	1
4	Communication Interface Unit with cable	set	2
5	One chip micro computer unit for operational data aquisition	set	10
6	Maintenance Tools and Spare Parts	lot	1
7	Miscellaneous materials	lot	1

Each Aimag center

No.	Item	Unit	Quantity
1	Desk top type computer with accessories	set	2
2	Uninterruptible Power Supply unit, 220V 1hour	set	1
3	Digital Video Disk unit with disk and accessories	set	1
4	Communication Interface Unit with cable	set	2
5	Maintenance Tools and Spare Parts	lot	1
6	Miscellaneous materials	lot	1

表1.10.9-4 List of Communication Facilities in 2010

Each Sum center

No.	Item	Unit	Quantity
1	Upgrading of desk top type computer with accessories	set	2
2	Upgrading UPS unit, 220V 1hour	set	1
3	Upgrading of Digital Video Disk unit with disk and accessories	set	1
4	Upgrading of Communication Interface Unit with cable	set	2
5	One chip micro computer unit for operational data aquisition	set	5
6	Maintenance Tools and Spare Parts	lot	1
7	Miscellaneous materials	lot	1

Each MOID and Energy Authority

No.	Item	Unit	Quantity
1	Desk top type computer with accessories	set	2
2	Uninterruptible Power Supply unit, 220V 1hour	set	1
3	Digital Video Disk unit with disk and accessories	set	1
4	Communication Interface Unit with cable	set	2
5	Maintenance Tools and Spare Parts	lot	1
6	Miscellaneous materials	lot	1

表1.10.9-5 List of Communication Facilities in 2015

Each Sum center

No.	Item	Unit	Quantity
1	Upgrading of operational software	lot	1
2	One chip micro computer unit for operational data aquisition	set	5
3	Miscellaneous materials	lot	1

Energy Authority

No.	Item	Unit	Quantity
1	Upgrading of operational software	lot	1
2	Upgrading of UPS unit, 220V 1hour	set	1
3	Upgrading of Digital Video Disk unit with disk and accessories	set	1
4	Communication Interface Unit with cable	set	2

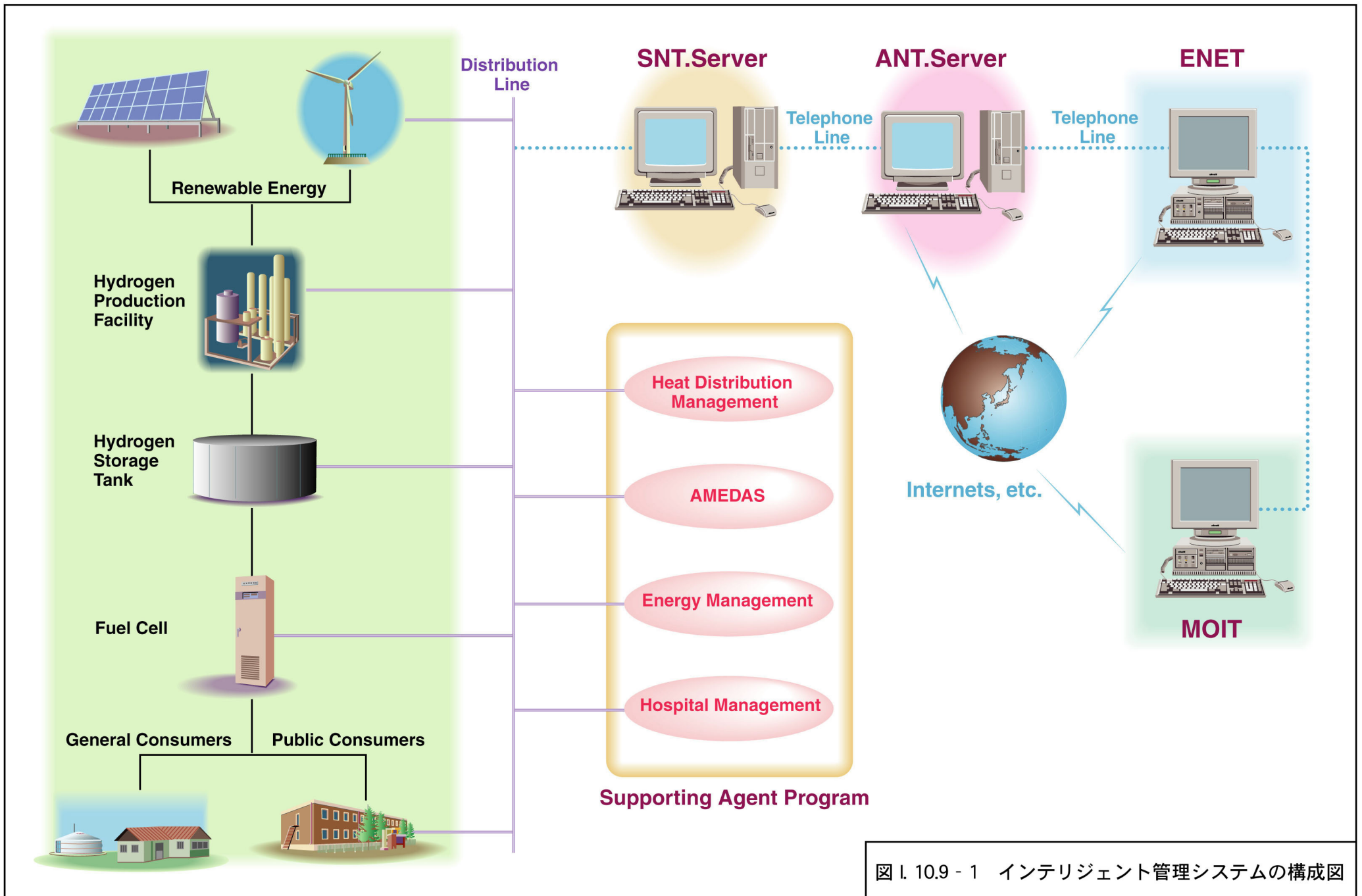


図 I. 10.9 - 1 インテリジェント管理システムの構成図