

NO.

JAPAN INTERNATIONAL COOPERATION AGENCY

MINISTRY OF INFRASTRUCTURE DEVELOPMENT  
MONGOLIA

**MASTER PLAN STUDY  
FOR  
RURAL POWER SUPPLY  
BY  
RENEWABLE ENERGY  
IN  
MONGOLIA**

**FINAL REPORT  
DATA BOOK**

**SEPTEMBER 2000**

**NIPPON KOEI CO., LTD.  
TOKYO, JAPAN**

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The framework of the Final Report

Volume I      SUMMARY

Volume II      MAIN REPORT

Volume III      DATA BOOK

This Report is DATA BOOK.

# DATA BOOK

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# **CHAPTER 1    MASTER PLAN**

Table I .1.3-1 List of Sum for Master Plan Study

Serial No.	Original No. (ID No.)	Name	Serial No.	Original No. (ID No.)	Name
<b>I</b>	<b>I</b>	<b>UMNUGOVI</b>	45	48	Bumbugur
1	1	Bayandalai		49	Ulziit
2	2	Bayan-Ovoo	46	50	Zag
3	3	Bulgan	<b>IV</b>	<b>IV</b>	<b>DORNOGOVI</b>
4	4	Gurvantes	47	51	Erdene
5	5	Mandal-Ovoo	48	52	Delgerekh
6	6	Manlai	49	53	Zamiin-Uud
7	7	Noyon	50	54	Mandakh
8	8	Nomgon	51	55	Saikhandulaan
9	9	Sevrei	52	56	Khatanbulag
10	10	Khanbogd	53	57	Khuvgul
11	11	Tsogt-Ovoo	54	9041	Ulaanbadrakh
12	12	Khurmen	<b>V</b>	<b>V</b>	<b>SUKHBAATAR</b>
13	13	Tsogttsetsii	55	58	Ongon
<b>II</b>	<b>II</b>	<b>GOVI-ALTAI</b>	56	59	Dariganga
14	14	Erdene	57	60	Naran
15	15	Tsogt	58	61	Bayandelger
16	16	Chandmani	59	62	Erdenetsagaan
17	17	Altai	60	63	Sukhbaatar
	18	Delger	61	64	Tumentsogt
18	19	Taishir	62	65	Tuvshinshiree
19	20	Bugat	63	66	Uulbayan
20	21	Tseel	64	67	Munkhhaan
21	22	Tugrug		68	Burentsogt
22	23	Sharga	<b>VI</b>	<b>VI</b>	<b>DORNOD</b>
23	24	Tonkhil	65	69	Matad
24	25	Darvi		70	Sumber
25	26	Khaliun	66	71	Khalkh gol
26	27	Biger	67	72	Khulunbuir
27	28	Khukhmorit	68	73	Tsagaan-Ovoo
28	29	Bayan-Uul	69	74	Chuluunkhoroot
29	30	Jargalan	70	75	Bayan-Uul
	31	Guulin	71	76	Bayandun
<b>III</b>	<b>III</b>	<b>BAYANKHONGOR</b>	<b>VII</b>	<b>VII</b>	<b>KHENTII</b>
30	32	Shinejinst		77	Gurvanbayan
31	33	Bayan-Undur	72	78	Bayan-Adraga
32	34	Bayanlig	73	79	Binder
33	35	Bayangovi	74	80	Batshireet
34	36	Bogd	75	81	Norovlin
35	37	Jinst		82	Burenhaan
36	38	Baatsagaan	76	83	Dadal
37	39	Bayantsagaan	77	9071	Galshar
38	40	Khureemaral	78	9072	Bayan-Ovoo
39	41	Gurvanbulag	<b>VII</b>	<b>VII</b>	<b>DUNDGOVI</b>
40	42	Jargalant	79	84	Ulziit
41	43	Galuut	80	85	Undurshil
42	44	Erdenetsogt	81	86	Bayanjargalan
	45	Bayan-Ovoo	82	87	Adaatsag
43	46	Bayanbulag		88	Erdenedalai
44	47	Buutsagaan		9081	Saikhan-Ovoo

## Notes

- 1) Shaded sum is canceled sum.  
2) "9\*\*\*" means newly added sum.

Table I .1.3-1 List of Sum for Master Plan Study

Serial No.	Original No. (ID No.)	Name	Serial No.	Original No. (ID No.)	Name
83	9082	Khuld	126	131	Telmen
84	9083	Delgerkhangai	127	132	Tudevtei
<b>IX</b>	<b>IX</b>	<b>UVURKHANGAI</b>	128	133	Songino
85	89	Bogd	129	134	Otgon
86	90	Baruunbayan-Ulaan	130	135	Numrug
87	91	Guchin-Us	131	136	Asgat
	92	Bayan-Undur	132	137	Bayankhairkhan
88	93	Khairhandulaan	133	138	Tosontsengel
89	94	Nariintel	134	9121	Bayantes
90	95	Bayanteeq	135	9122	Aldarkhaan
<b>X</b>	<b>X</b>	<b>KHUVSGUL</b>	<b>XIII</b>	<b>XIII</b>	<b>BULGAN</b>
91	96	Jargalant	136	139	Teshig
92	97	Galt	<b>XIV</b>	<b>XIV</b>	<b>UVS</b>
93	98	Shine-Ider	137	140	Undurkhangai
94	99	Tumurbulag	138	141	Tsagaankhairkhan
95	100	Burentogtokh	139	142	Zuunkhangai
96	101	Tsetserleg	140	143	Khyargas
97	102	Arbulag	141	144	Baruuntruun
98	103	Bayanzurkh	142	145	Malchin
99	104	Chandmani-Undur	143	146	Zuungovi
100	105	Tsagaan-Uur	144	147	Bukhmurun
101	106	Tsagaan-Uul	145	148	Zavkhan
102	107	Ulaan-Uul	146	149	Tes
103	108	Renchinkhunbe	<b>XV</b>	<b>XV</b>	<b>KHOVD</b>
104	109	Tunel		150	Myangad
105	110	Tosontsengel	147	151	Zereg
106	111	Alag-Erdene	148	152	Darvi
107	112	Khatgal	149	153	Altai
108	113	Tsagaannuur	150	154	Uyench
109	114	Erdenebulgan	151	155	Bulgan
	9101	Khankh	152	156	Tsetseg
<b>XI</b>	<b>XI</b>	<b>ARKHANGAI</b>	153	157	Must
110	115	Khangai	154	158	Munkhkhairkhan
	116	Tariat	155	159	Mankhan
111	117	Tsakhir	156	160	Chandmani
112	9111	Chuluut		161	Khovd
<b>XII</b>	<b>XII</b>	<b>ZAVKHAN</b>		162	Buyant
113	118	Shiluustei	157	163	Durgun
114	119	Durvuljin	158	9151	Duut
115	120	Yaruu		9152	Erdeneburen
116	121	Erdenekhairkhan	<b>XVI</b>	<b>XVI</b>	<b>BAYAN-ULGII</b>
117	122	Zavhanmandal	159	164	Tolbo
118	123	Urgamal	160	165	Tsagaannuur
119	124	Santmargats	161	166	Bulgan
120	125	Tsetsen-Uul	162	167	Deluun
121	126	Ider	163	168	Altai
122	127	Ikh-Uul	164	169	Buyant
123	128	Tes	165	170	Bayannuur
124	129	Tsagaanchuluut	166	171	Altantsugts
125	130	Tsagaankhairkhan	167	9161	Nogoonuur

## Notes

- 1) Shaded sum is canceled sum.  
2) "9\*\*\*" means newly added sum.

**Table I.5.1-2 Actual Record of Power Demand in CES**

Item	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
1 Installed Capacity (MW)	689.5	779.5	779.5	777.5	777.5	777.5	777.5	777.5	777.5	777.5
2 Avail. Max. Power Output (MW)	441	500	500	499	499	499	499	523	523	523
3 Avail. Max. Power Gen. (GWh)	3,382	3,824	3,824	3,814	3,814	3,814	3,814	4,087	4,087	4,087
4 Gross Generation (GWh)	3,348	2,722	2,612	2,481	2,523	2,628	2,614	2,720	2,574	2,740
5 Station Use (GWh)	534	626	525	552	562	598	579	608	570	586.6
6 Net Generation (GWh)	2,814	2,096	2,087	1,929	1,961	2,030	2,035	2,112	2,042	2,112
7 Energy Import (GWh)	228	84	99	198	215	381	383	376	355.7	194.8
8 Energy Export (GWh)	76	33	68	53	60	28	69	42	60.3	59.3
9 Net Supply (GWh)	3,253	2,147	2,118	2,074	2,116	2,507	2,515	2,589	2,252	2,382
10 Increment to the previous year (%)	~	-51.5	-1.3	-2.1	1.9	15.6	0.3	2.8	-13	5.8
11 T & D + Non-tech losses (GWh)	323	340	287	289	262	502	482	507	839	650
12 Net Sales (GWh)	2,719	1,807	1,831	1,785	1,854	1,909	1,936	1,939	1,514	1,699
13 Peak Demand (MW)	590	524	491	468	485	477	488	506	512	499
14 (Output-Peak)/Output x 100 (%)	-33.84	-4.84	1.76	6.17	2.76	4.37	2.16	3.17	2.1	4.59
15 Annual Load Factor (%)	87.9	60.4	61.4	64.1	63	69	68.6	71.4	63.9	65.9

(Data Source: MOID in Oct. 1998, ADB Master Plan Report in Jan. 1996)

**Table I.5.1-3 Actual Record of Power Demand in Each Aimag**

Aimag	1993			1994			1995			1996			1997			1998			1999		
	Installed (MW)	Avail. (MW)	Peak (MW)																		
1. Ulaangom	9.2	7.1	3.3	7.1	3.3	7.1	~	7.1	~	7.1	~	~	~	2.7	~	2.8	~	2.8			
2. Ulgii	5.52	8	2.6	8	2.3	8	2.1	8	2	8	~	~	2.9	~	3	~	3	~			
3. Khovd	12.9	9.2	3.4	9.2	3.3	9.2	3.4	9.2	3	9.2	~	~	3	~	3.1	~	3.1	~			
4. Uliastai	11.04	7.1	3	7.1	3	7.1	3.1	7.1	3	7.7	2.8	4.6	2.8	4.6	2.8	4.6	3	3			
5. Altai	11.01	7.1	2.9	7.1	2.5	7.1	2.4	7.1	2.4	8.3	2.5	5.3	2.8	5.3	2.8	5.3	2.8	5.3	2.8		
6. Murun	11.7	7.8	3.2	7.8	3.2	7.8	3	7.8	3	9	2.8	7.0	3	7	3	7	3.2	7	3.2		
7. Bayanhongor	8.25	5.1	2.5	5.1	2.9	5.1	2.8	5.1	2.6	6.3	2.4	6.1	2.5	6.1	2.6	6.1	2.6	6.1	2.6		
8. Dalanzadgad	8.96	6.2	1.9	6.2	1.9	6.2	2	6.2	2	6.8	2.3	4.5	1.8	4.5	1.9	4.5	1.9	4.5	1.9		
9. Mandalgobi	4.8	3.6	2.4	3.6	2.5	3.6	~	3.6	~	3.6	~	~	1.2	~	2	~	2	~	2		
10. Undurkhaan	6.4	4.8	2.6	4.8	2.4	4.8	2.5	4.8	~	4.8	~	~	1.1	~	1.2	~	1.2	~	1.2		
11. Baruun-Urt	6.4	5.3	3	5.3	2.5	5.3	2.3	5.3	2	5.3	2.1	5.6	2.5	5.6	2.5	5.6	~	2.5	2.5		
12. Choibalsan	36	21.6	13.3	21.6	13.3	21.6	~	21.6	~	21.6	~	36.0	13	36	13	36	12	36	12		

(Data Source: MOID in Nov. 1998)

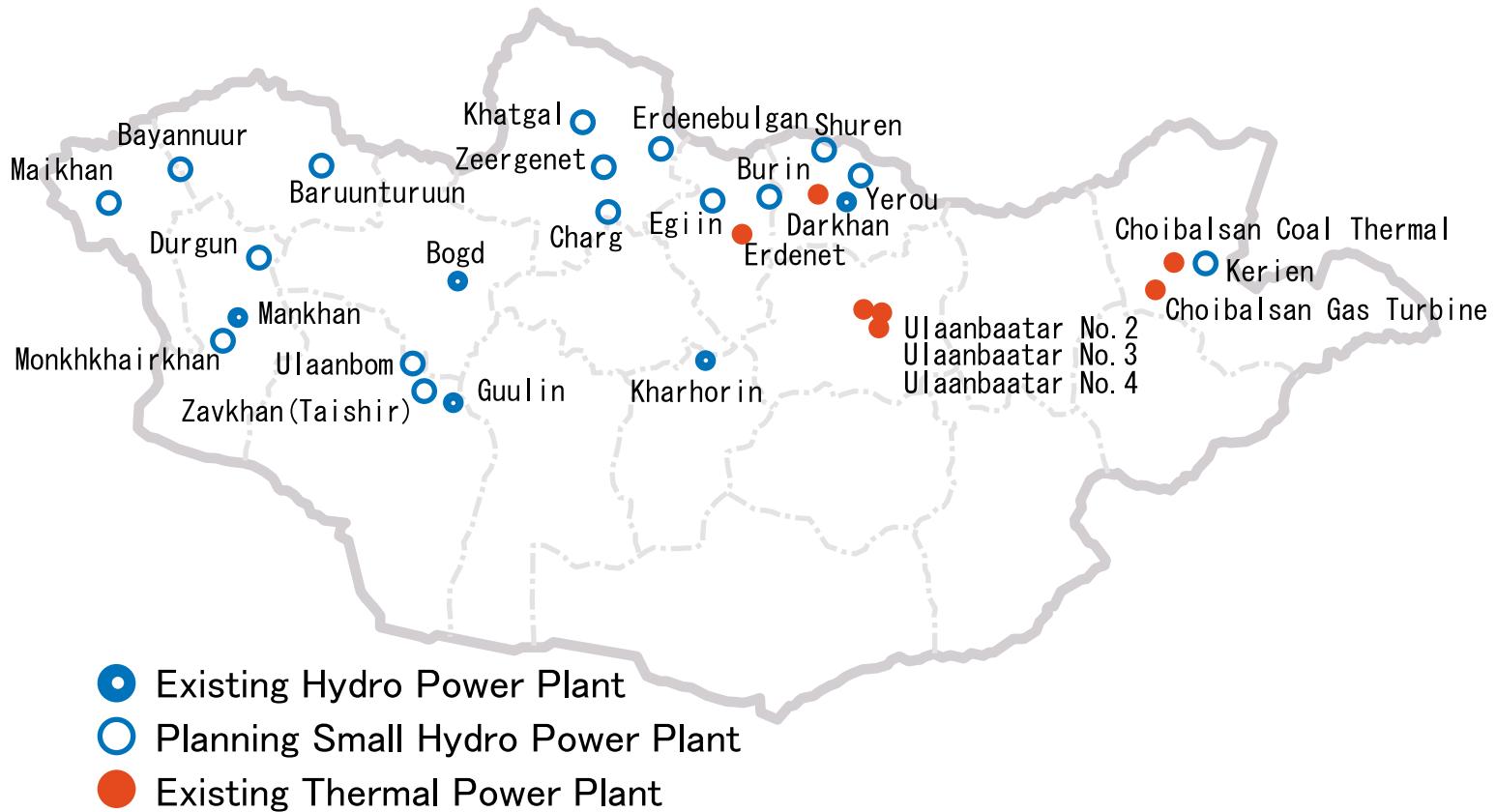


Figure I .5.2–1 Location Map of the Existing Power Plants

**Table I.5.2-2 Thermal Power Plants Inventory in CES**

	Name of P/S	Unit No.	Inst. Capacity	Avail. Max. Capacity	Total Capacity	Total Max. Capacity
1	Ulaanbaatar	1	12.0 MW	10.4 MW	12.0 MW	10.4 MW
	No.2 Thermal P/S	1	6.0 MW	4.0 MW	6.0 MW	4.0 MW
					18.0 MW	14.4 MW
2	Ulaanbaatar	3	12.0 MW	7.3 MW	36.0 MW	21.9 MW
	No.3 Thermal P/S	3	25.0 MW	21.0 MW	75.0 MW	63.0 MW
					111.0 MW	84.9 MW
3	Ulaanbaatar	3	80.0 MW	69.0 MW	240.0 MW	207.0 MW
	No.4 Thermal P/S	3	100.0 MW	95.0 MW	300.0 MW	285.0 MW
					540.0 MW	492.0 MW
4	Darkhan	4	12.0 MW	6.0 MW	48.0 MW	24.0 MW
					48.0 MW	24.0 MW
5	Erdenet	3	12.0 MW	6.0 MW	36.0 MW	18.0 MW
					36.0 MW	18.0 MW

(Data Source: Energy Authority in Oct. 1998, ADB Master Plan Report in Jan. 1996)

**Table I.5.2-3 Thermal Power Plants Inventory in EES**

	Name of P/S	Unit No.	Inst. Capacity	Avail. Max. Capacity	Total Capacity	Total Max. Capacity
1	Choibalsan Coal Thermal P/S	3	12.0 MW	2.4 MW	36.0 MW	7.2 MW
2	Choibalsan Gas Turbine P/S	1	2.5 MW	2.0 MW	2.5 MW	2.0 MW
					38.5 MW	9.2 MW

(Data Source: Energy Authority in Oct. 1998, ADB Master Plan Report in Jan. 1996)

**Table I.5.2-5 Diesel Power Plant Inventory at the Aimag Centers**

Aimag Center DG Plant	No. x Capacity	Avail. Gen. Capacity	Total Gen. Capacity	Start of Operate	Retire Schedule
1. Ulaangom	2 x 690 kW	1000 kW	(2 x 500)	1980	2000
	2 x 690 kW	1000 kW	(2 x 500)	1982	2002
	4 x 1160 kW	3600 kW	(4 x 900)	1986	2006
	1 x 1800 kW	1500 kW	(1 x 1500)	7100 kW	1992
2. Khovd	6 x 690 kW	3000 kW	(6 x 500)	1976	1996
	4 x 1160 kW	3200 kW	(4 x 800)	1986	2006
	2 x 1160 kW	1600 kW	(2 x 800)	1988	2008
	1 x 1800 kW	1400 kW	(1 x 1400)	9200 kW	1994
3. Ulgii	8 x 690 kW	4000 kW	(8 x 500)	1982	2002
		4000 kW		8000 kW	
4. Altai	1 x 690 kW	500 kW	(1 x 500)	1976	1996
	2 x 690 kW	1000 kW	(2 x 500)	1986	2006
	2 x 690 kW	1000 kW	(2 x 500)	1988	2008
	4 x 690 kW	2000 kW	(4 x 500)	1994	2014
	2 x 1800 kW	2600 kW	(2 x 1300)	7100 kW	1990
5. Bayanhongor	5 x 690 kW	2500 kW	(5 x 500)	1983	2003
	2 x 1800 kW	2600 kW	(2 x 1300)	5100 kW	1991
6. Dalanzadgad	2 x 690 kW	1000 kW	(2 x 500)	1978	1998
	2 x 690 kW	1000 kW	(2 x 500)	1983	2003
	2 x 800 kW	1200 kW	(2 x 600)	1986	2006
	2 x 800 kW	1200 kW	(2 x 600)	1988	2008
	3 x 800 kW	1800 kW	(3 x 600)	6200 kW	1989
7. Mandalgovi	4 x 800 kW	2400 kW	(4 x 600)	1988	2008
	2 x 800 kW	1200 kW	(2 x 600)	3600 kW	1990
8. Murun	4 x 690 kW	2000 kW	(4 x 500)	1980	2000
	2 x 690 kW	1000 kW	(2 x 500)	1981	2001
	4 x 690 kW	2000 kW	(4 x 500)	1987	2007
	2 x 1800 kW	2800 kW	(2 x 1400)	7800 kW	1993
9. Uliastai	2 x 800 kW	1000 kW	(2 x 500)	1980	2000
	2 x 800 kW	1000 kW	(2 x 500)	1982	2002
	2 x 1160 kW	1600 kW	(2 x 800)	1985	2005
	2 x 1160 kW	1600 kW	(2 x 800)	1986	2006
	1 x 800 kW	600 kW	(1 x 600)	1994	2014
	1 x 1800 kW	1300 kW	(1 x 1300)	7100 kW	1994
10. Undurkhaan	1 x 800 kW	600 kW	(1 x 600)	1983	2003
	1 x 800 kW	600 kW	(1 x 600)	1984	2004
	4 x 800 kW	2400 kW	(4 x 600)	1986	2006
	1 x 800 kW	600 kW	(1 x 600)	1991	2011
	1 x 800 kW	600 kW	(1 x 600)	4800 kW	1992
11. Baruun-Urt	3 x 800 kW	1800 kW	(3 x 600)	1986	2006
	2 x 800 kW	1400 kW	(2 x 700)	1989	2009
	1 x 800 kW	700 kW	(1 x 700)	1992	2012
	1 x 800 kW	700 kW	(1 x 700)	1993	2013
	1 x 800 kW	700 kW	(1 x 700)	5300 kW	1994

(Data Source: Energy Authority in Oct. 1998, ADB Master Plan Report in Jan. 1996)

**Table I.5.2-8 Development Plan of Hydropower Plants**

Name of hydro P/S	No. x Capacity	Operation	Present Condition	Finance	Total Cost
1 Egiin	4 x 55 MW	All the year	Finish F/S(E)	Request	282 M.US\$
2 Durgun	3 x 4,000 kW	All the year	Finish D/D(R)	Unsettled	24 M.US\$
3 Khatgal	2 x 1,500 kW	All the year	Finish F/S(M)	Request	6 M.US\$
4 Chargait	2 x 4,000 kW	All the year	Finish F/S(E)	Request(China)	28 M.US\$
5 Taishir (Zabkhan)	3 x 2,700 kW	All the year	Finish F/S(E)	Request(Kuwait)	39 M.US\$
6 Yerou	2 x 4,000 kW	All the year	Finish D/D(M)	Inviting(IPP)	16 M.US\$
7 Erdenebulgan (mini)	2 x 100 kW	All the year	Finish F/S(M)	DANIDA	0.72 M.US\$
8 Baruunturuun (mini)	2 x 100 kW	All the year	Finish F/S(E)	Unsettled	0.36 M.US\$
9 Monkhairkhan (mini)	2 x 75 kW	Summer only	Finish F/S(E)	Unsettled	0.317 M.US\$
10 Uiench	1,000 kW	Summer only	Finish Pre-S(E)	Unsettled	2.7 M US\$
11 Kerlen	2 x 4,000 kW	All the year	Finish Pre-S(M)	Unsettled	Unsettled
12 Zeergenet	5 MW	All the year	Finish Pre-S(M)	Unsettled	Unsettled
13 Shuren	205 MW	All the year	Finish Pre-S(M)	Unsettled	Unsettled
14 Burin	161 MW	All the year	Finish Pre-S(M)	Unsettled	Unsettled
15 Bayannuur	58 MW	All the year	Finish Pre-S(M)	Unsettled	Unsettled
16 Maikhantolgoi	14 MW	All the year	Finish Pre-S(M)	Unsettled	Unsettled

(Data Source: UCS in Oct. 1998, revised edition in Feb. 2000)

(Note): (E): English, (R): Russian, (M): Mongolian, Pre-S: Preliminary Study

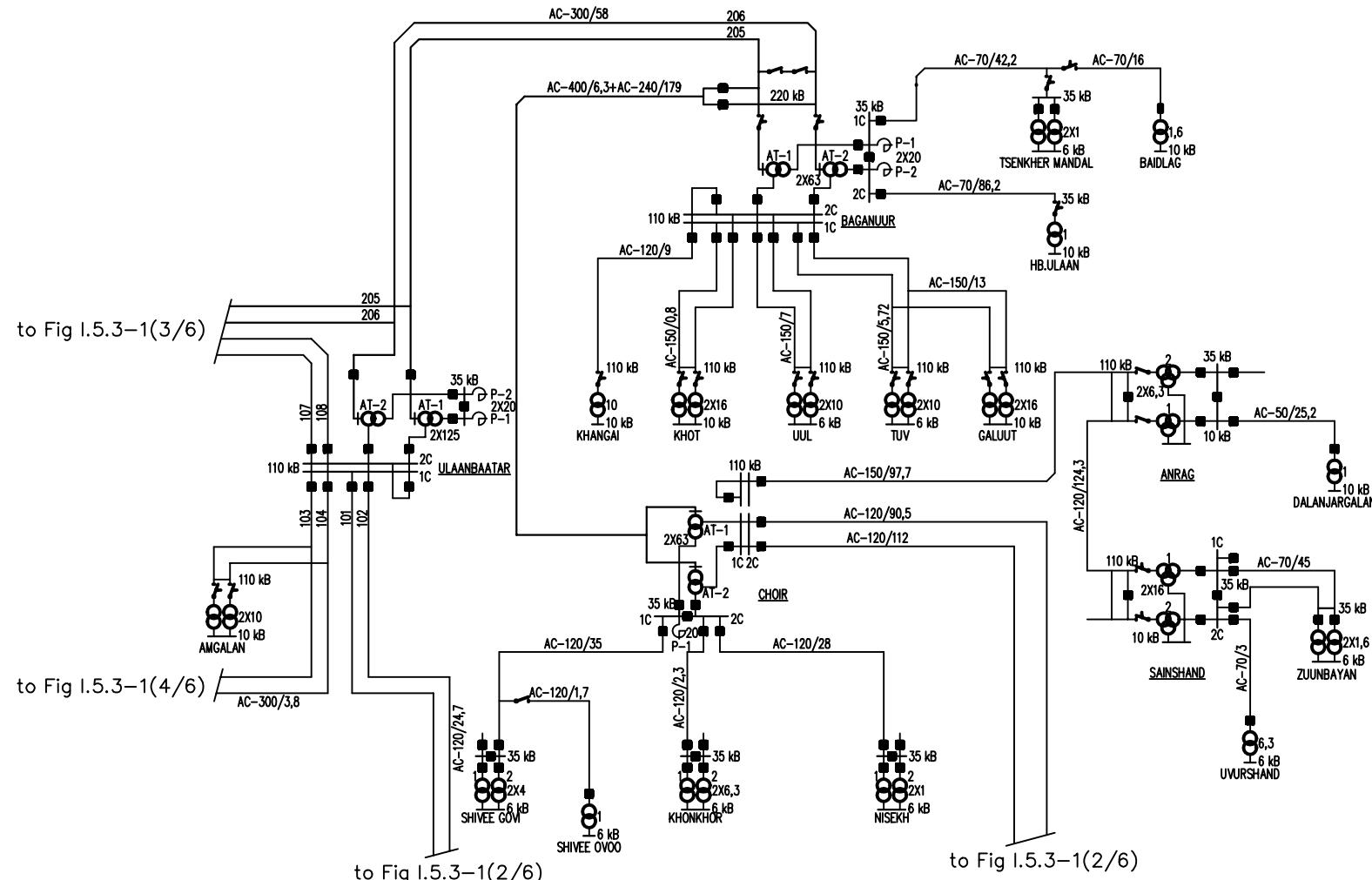


Figure 1.5.3-1 Power System Diagram(1/6)

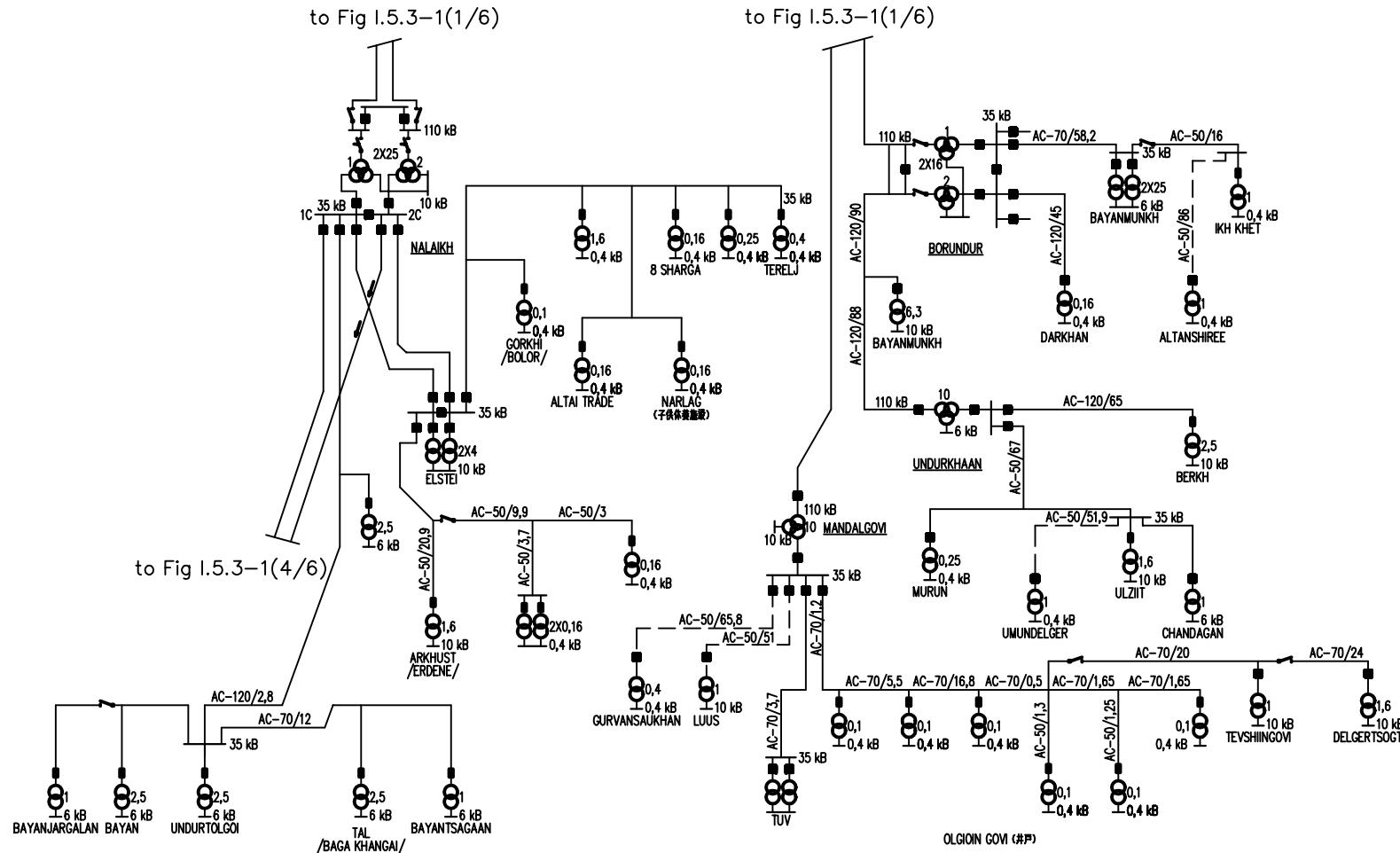


Figure I.5.3-1 Power System Diagram(2/6)

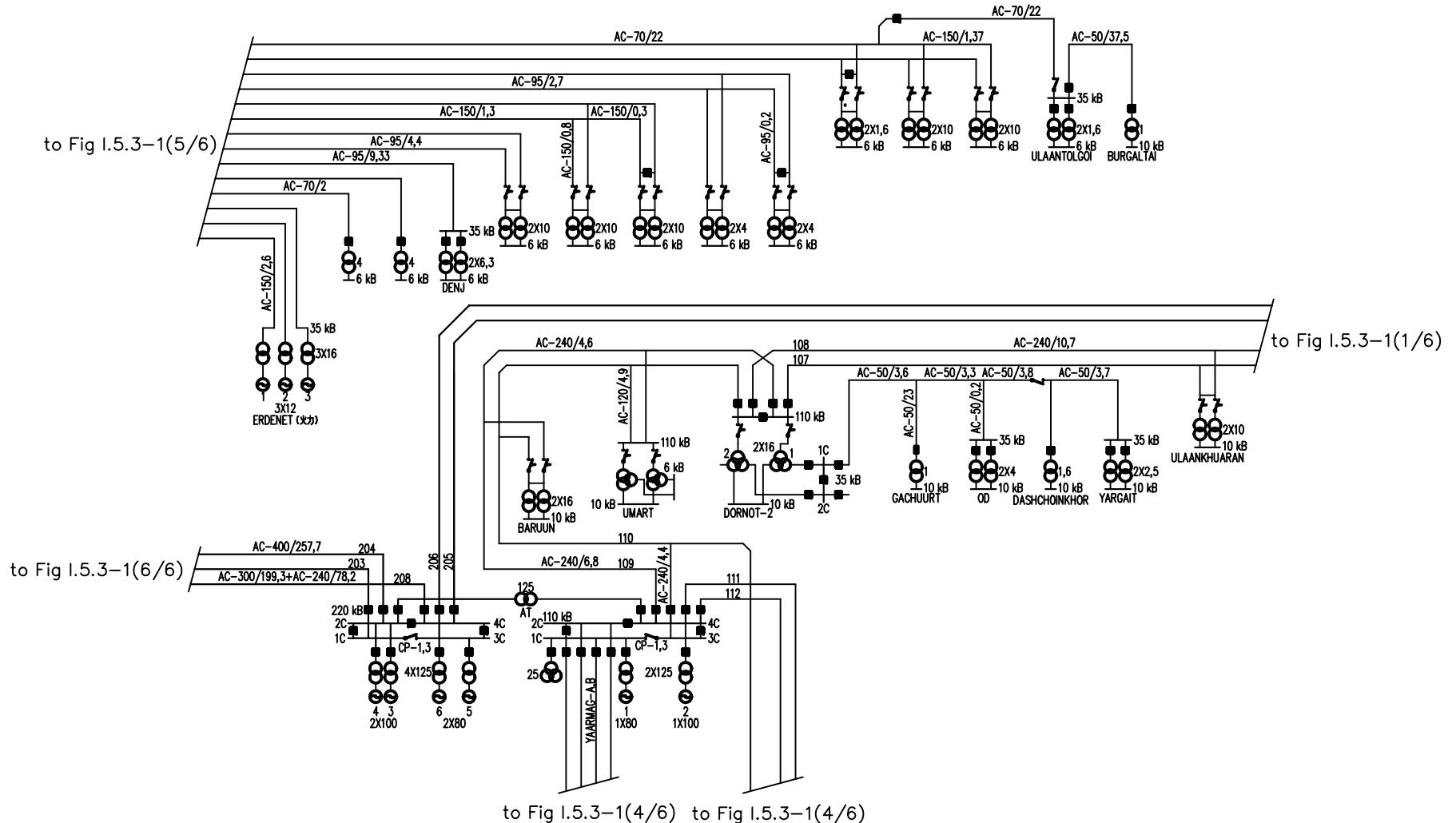
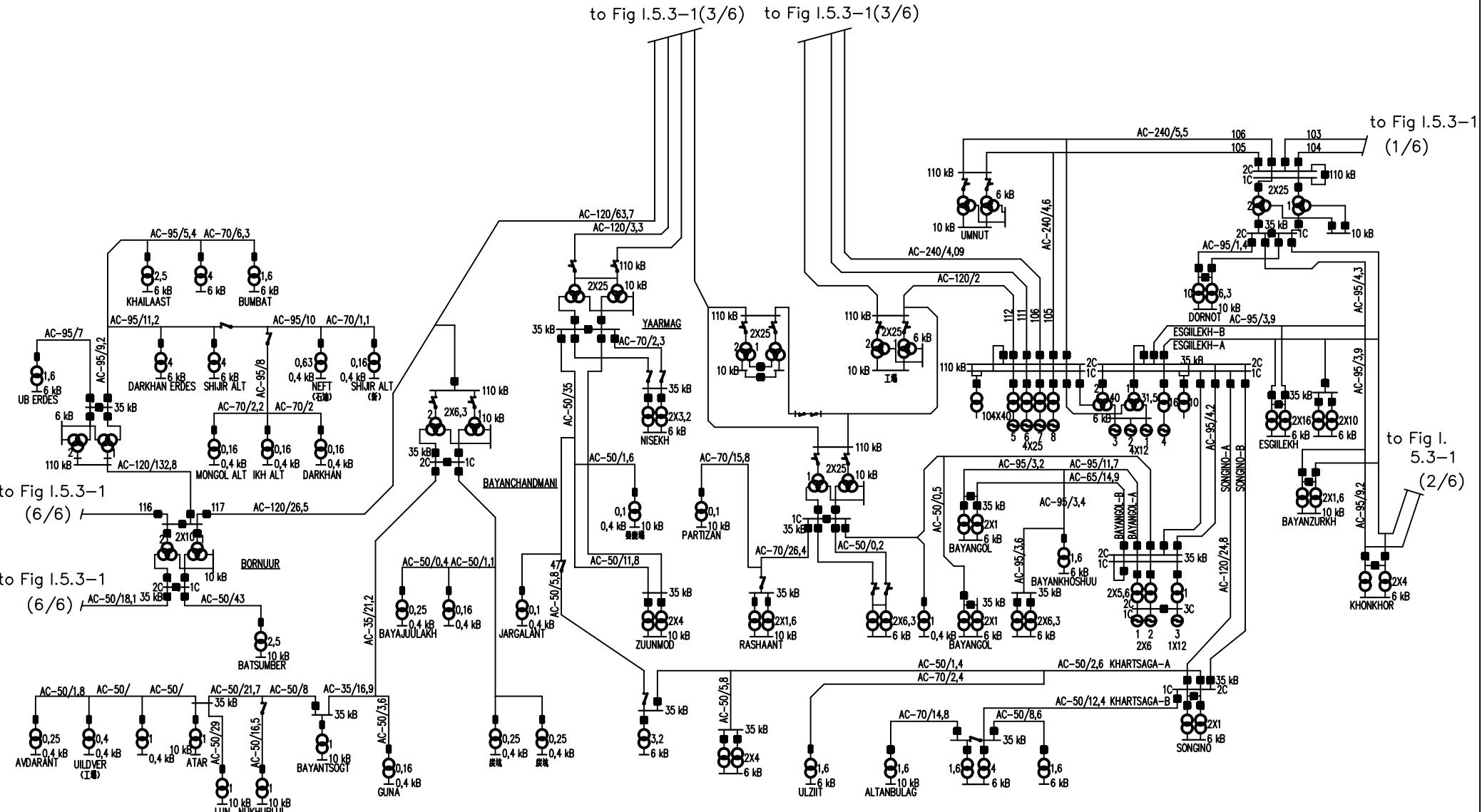


Figure I.5.3-1 Power System Diagram(3/6)



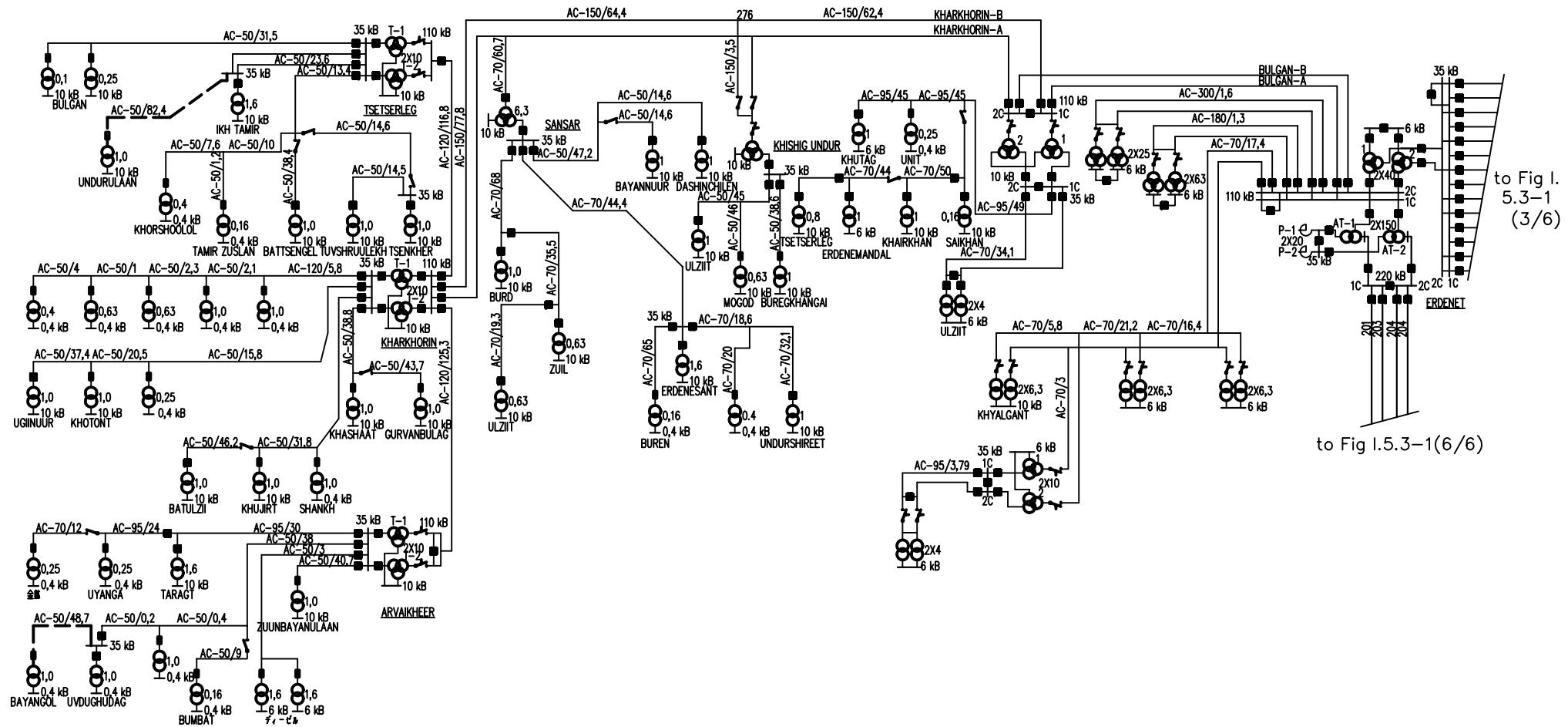


Figure I.5.3-1 Power System Diagram(5/6)

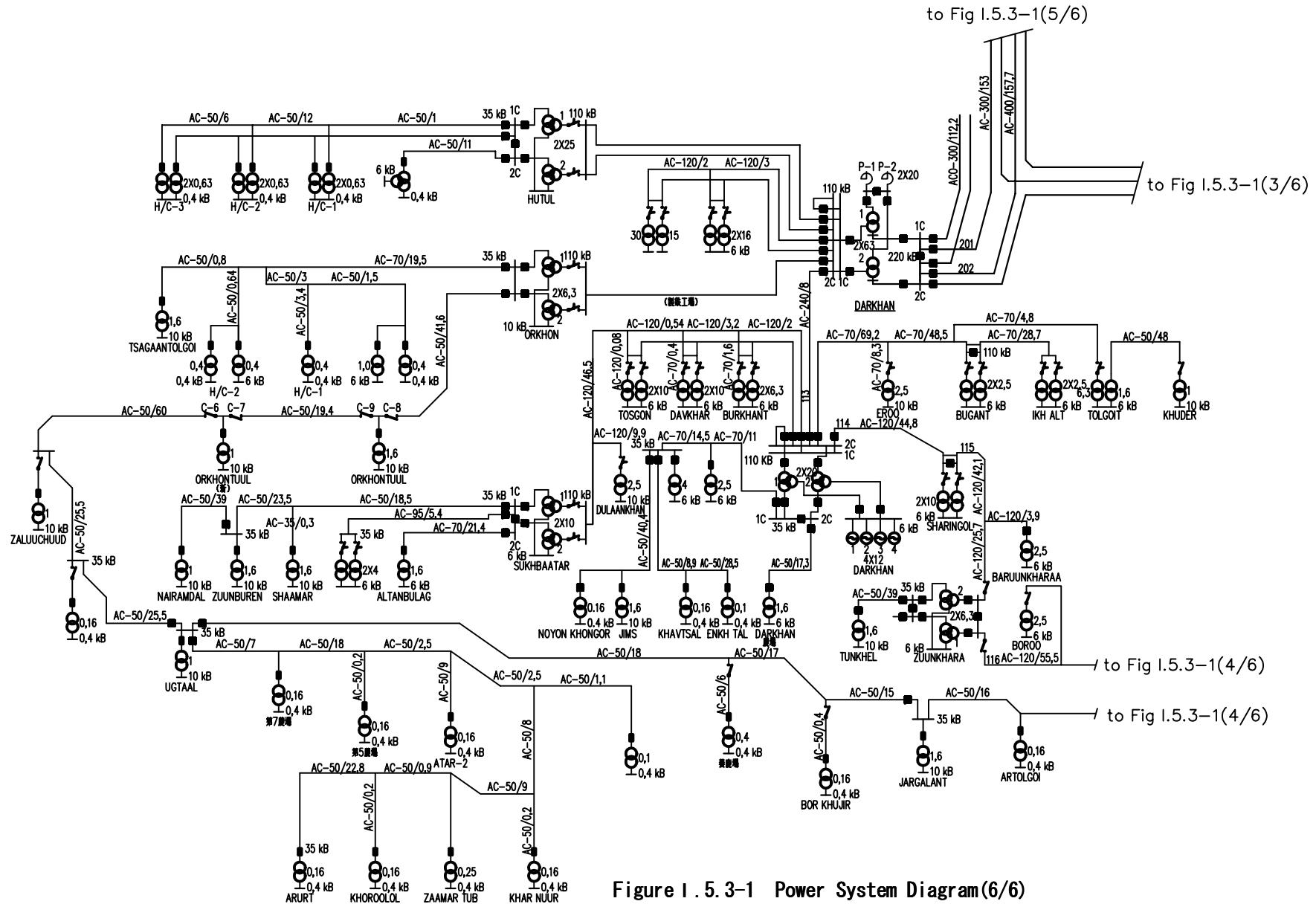


Figure I.5.3-1 Power System Diagram(6/6)

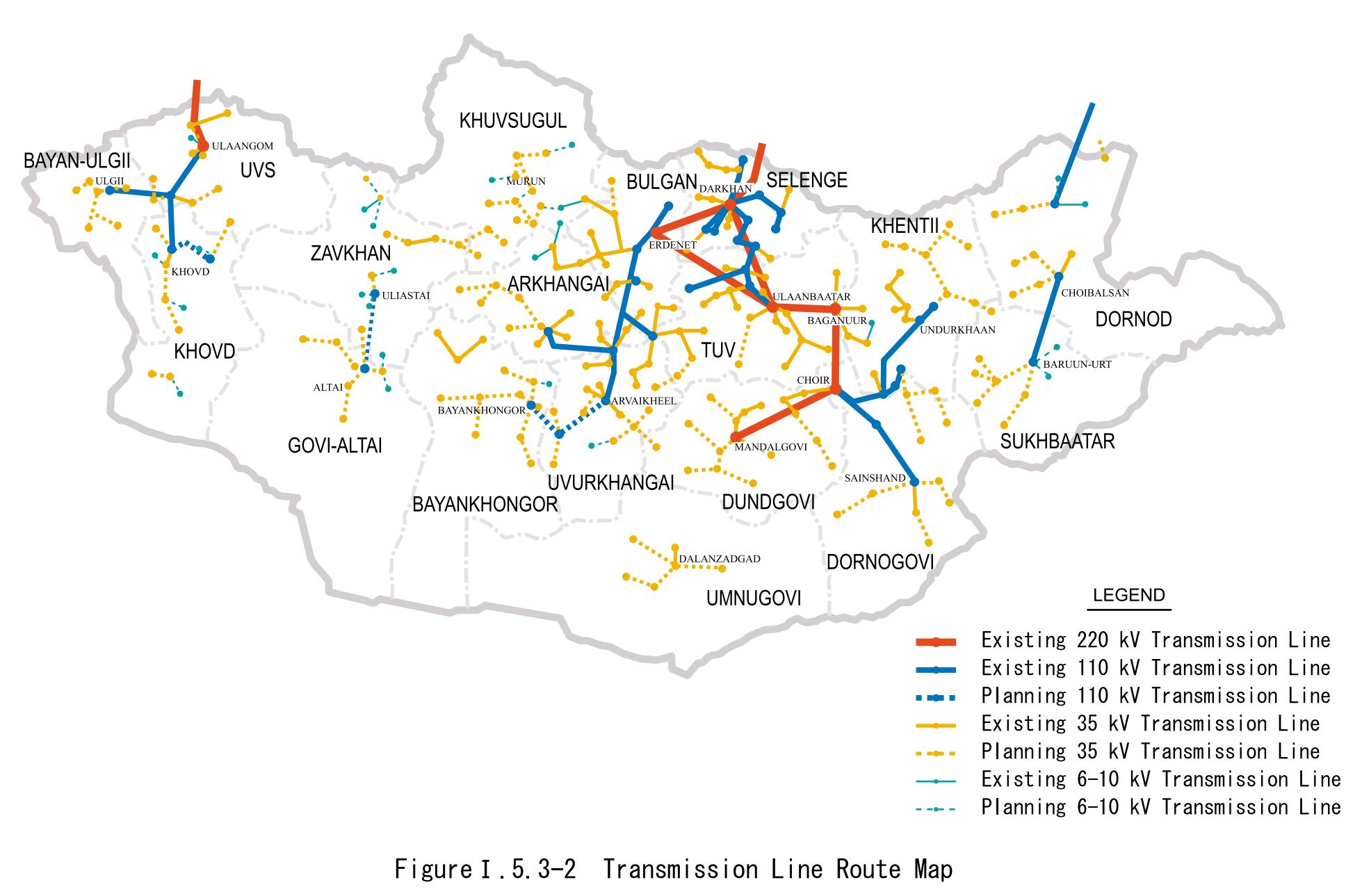


Figure I . 5. 3-2 Transmission Line Route Map

**Table I.5.3-2 Major Features of CES**

	Voltage	Total Line	Conductor Size	S/S No.	Total S/S Capa.
1	220 kV	1,043 km	240 – 400 mm <sup>2</sup>	5 S/S	708 MVA
2	110 kV	2,647 km	70 – 240 mm <sup>2</sup>	52 S/S	2,080 MVA
3	35 kV	3,417 km	50 – 120 mm <sup>2</sup>	155 S/S	380 MVA

(Data Source : MOID in March 2000)

**Table I.5.3-3 Major Features of WES**

	Voltage	Total Line	Conductor Size	S/S No.	Total S/S Capa.
1	220 kV	101 km	240 – 400 mm <sup>2</sup>	0 S/S	0 MVA
2	110 kV	375 km	70 – 240 mm <sup>2</sup>	4 S/S	131 MVA
3	35 kV	104 km	50 – 120 mm <sup>2</sup>	3 S/S	6 MVA

(Data Source : MOID in March 2000)

**Table I.5.3-4 Major Features of EES**

	Voltage	Total Line	Conductor Size	S/S No.	Total S/S Capa.
1	110 kV	185.8 km	70 – 240 mm <sup>2</sup>	2 S/S	16 MVA
2	35 kV	155.2 km	50 – 120 mm <sup>2</sup>	4 S/S	4 MVA

(Data Source : MOID in March 2000)

**Table I.5.3-5 Development Plan of Transmission Lines**

System Voltage	Power System	Development Section	Aimag Name	Rehabilitation Time	Distance
1	35 kV	CES	Luus-Erdenedalay	Dundgobi	1999-2000
2	35 kV	WES	Myangad-Erdeneburen	Khovd	1999-2000
3	35 kV	CES	Bayangol-Saikhan Ovoo	Dundgobi	1999-2000
4	35 kV	CES	Buren-Delgerkhaan	Tuv	1999-2000
6	35 kV	EES	Baruun Urt-Khalzan	Sukhbaatar	2000-2000
7	35 kV	CES	Berkh-Batnorov	Khentii	2000-2000
8	35 kV	CES	Undur Ulaan-Tariat	Arkhangai	2000-2000

(Data Source : MOID in March 2000)

**Table I.5.4-2 Major Feature of Distribution Facilities in Each Electric System**

	Voltage	Total O/H line	Total U/G line	S/S No.	Total S/S Capa.
CES					
1	10 kV	7,954 km	652 km	2274 S/S	568.5 MVA
2	0.4-0.22kV	3,442 km	1161 km	-	
WES					
1	10 kV	532 km	6 km	120 S/S	20 MVA
2	0.4-0.22kV	360 km	18 km		
EES					
1	10 kV	512 km	7 km	100 S/S	16 MVA
2	0.4-0.22kV	129 km	81 km		
TOTAL					
1	10 kV	8,998 km	665 km	2494 S/S	604.5 MVA
2	0.4-0.22kV	3,931 km	1,260 km	-	

(Data Source : MOID in March 2000)

**Table I.5.4-3 Development Plan of Distribution System**

System Voltage	Power System	Development Section		Aimag Name	Rehabilitation Time	Distance
1 10 kV	CES	Bayangol-Sant		Uvurkhangai	1999-2000	50 km
2 10 kV	CES	Delgerkhaan-Bayan Undur		Uvurkhangai	2000-2001	40 km

(Data Source : MOID in March 2000)

**Table I.7.4-1 List of Diesel Generator Sets provided by Japan (1/3)**

No.	Aimag	ID No.	Sum	Glassroots Grant		First Stage		Second Stage		Third Stage	
				100kW	60kW	100kW	60kW	100kW	60kW	100kW	60kW
1	UMNUGOVI	4	Gurvantes							-	3
2		5	Mandal-Ovoo			-	2				
3		6	Manlai	-	3						
4		7	Noyon							-	3
5		9	Sevrei			-	2				
6	GOVI-ALTAI	14	Erdene					3	-		
7		15	Tsogt					3	-		
8		16	Chandmani					3	-		
9		17	Altai					-	3		
10		21	Tseel					-	3		
11		24	Tonkhil					-	3		
12		25	Dariv					-	3		
13		27	Biger					-	2		
14		28	Khukhmorit					-	3		
15	BAYANKHOGOR	32	Shinejinst			-	2				
16		33	Bajan-Under					3	-		
17		34	Bajanlig			-	2				
18		35	Bajangovi							-	3
19		36	Bogd							-	3
20		37	Jinst							-	2
21		38	Baatsagaan			-	3				
22		39	Bajantsagaan					3	-		
23		40	Khureemaral			-	3				
24		42	Jargalant			3	-				
25		43	Galuut			-	3				
26		44	Erdenesogt	1	2						
27		46	Bajanbulag			-	2				
28		47	Buutsagaan					2	-		
29		48	Bumbugur							-	3
30	DORNOGOVI	54	Mandakh							-	3
31		55	Saikhandulaan							3	-
32		56	Khatanbulag					3	-		
33		57	Khuvsgul					-	3		
34	SUKHABAATAR	58	Ongon							2	-
35		59	Dariganga							-	3
36		60	Naran					2	-		
37		61	Bajandelger							3	-

**Table I.7.4-1 List of Diesel Generator Sets provided by Japan (2/3)**

No.	Aimag	ID No.	Sum	Glassroots Grant		First Stage		Second Stage		Third Stage	
				100kW	60kW	100kW	60kW	100kW	60kW	100kW	60kW
38		62	Erdenetsagaan					3	-		
39		64	Tumentsogt							3	-
40	DORNOD	72	Khulunbuir					-	2		
41		73	Tsagan-Ovoo					3	-		
42	KHENTII	78	Bajan-Adraga			-	2				
43		79	Binder			-	3				
44		80	Batshireet			2	-				
45		81	Norovlin			-	2				
46		83	Dadal			3	-				
47		9071	Galshar							2	-
48		9072	Bayan-Ovoo							-	3
49	DUNDGOVI	84	Ulziit							2	-
50		85	Undurshil							-	3
51		86	Bayanjargalan							-	3
52	UVURKHANGAI	89	Bogd					3	-		
53		90	Baruunbayan-Ulaan							-	3
54		91	Guchin-Us							-	3
55			Bajan-Undur							-	3
56			Khairhandulaan							-	3
57		94	Nariintel							-	4
58	KHUVSGUL	96	Jargalant			-	3				
59		97	Galt			-	2				
60		98	Shine-Ider			-	3				
61		102	Arbulag			-	2				
62		103	Bayanzurkh			-	2				
63		104	Chandamani-Undur			-	2				
64		105	Tsagan-Uur						-	3	
65		107	Ulaan-Uur			-	2				
66		108	Renchinlhumble					2	-		
67		112	Khatgal	1	2						
68		113	Tsagaannuur					2	-		
69		114	Erdenebulgan					2	-		
70	ARKHANGAI	115	Khangai							-	2
71		117	Tsakhir							-	2
72		9111	Chuluut							-	3
73	ZAVKHAN	119	Durvuljin					3	-		
74		121	Erdenekhairkhan					3	-		

**Table I.7.4-1 List of Diesel Generator Sets provided by Japan (3/3)**

No.	Aimag	ID No.	Sum	Glassroots Grant		First Stage		Second Stage		Third Stage		
				100kW	60kW	100kW	60kW	100kW	60kW	100kW	60kW	
75		122	Zavkhanmandal					3	-			
76		123	Urgamal					2	-			
77		124	Santmargats					-	3			
78		125	Tsetseen-Uul					3	-			
79		126	Ider					-	3			
80		128	Tes					3	-			
81		133	Sogino					3	-			
82		135	Numrug					2	-			
83		136	Asgat					-	3			
84	BULGAN	139	Tesig					3	-			
85	UVS	141	Tsagaankhairkhan					-	3			
86		142	Zuunkhangai					3	-			
87		143	Khyargas					-	3			
88		145	Malchin					-	3			
89		146	Zuungobi					2	-			
90		149	Tes					2	-			
91	KHOVD	151	Zereg			-	2					
92		152	Darvi			2	-					
93		155	Bulgan					3	-			
94		156	Tsetseg					-	3			
95		157	Must			2	-					
96		158	Munkkhkhairkhan					-	2			
97		160	Chandmani			-	2					
98	BAYAN-ULGII	166	Bulgan	1	2							
99		167	Deluun					2	-			
		Total Number of Generators			3	9	12	46	74	48	15	55
		Total Number of Sums			4	0	25	0	45	0	25	0

※: The number of diesel-engine in the phase III has been scheduled because detail design is being conducted.

**Table I.8.3-1 Total Demand Forecast (YEAR 1999)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
1	BAYANDALAI	UMNU-GOBI	3,270.7	237.6	184.8	60.0	0.0	454.1	4,207.1	1,316.1	174.9	114.0	42.0	0.0	176.0	1,823.0
2	BAYAN-OVOO	UMNU-GOBI	3,247.3	324.0	122.3	60.0	0.0	457.0	4,210.6	1,727.0	238.5	75.5	42.0	0.0	373.9	2,456.8
3	BULGAN	UMNU-GOBI	5,012.7	237.6	190.2	60.0	0.0	665.4	6,165.8	3,077.2	174.9	117.3	42.0	0.0	577.1	3,988.5
4	GURVANTES	UMNU-GOBI	5,781.2	237.6	203.1	60.0	0.0	858.7	7,140.7	2,517.7	174.9	125.3	42.0	0.0	596.8	3,456.7
5	MANDAL-OVOO	UMNU-GOBI	4,259.2	194.4	156.7	60.0	0.0	672.3	5,342.6	2,030.2	143.1	96.7	42.0	0.0	537.9	2,849.9
6	MANLAI	UMNU-GOBI	4,203.2	194.4	198.6	60.0	0.0	442.9	5,099.1	2,437.8	143.1	122.6	42.0	0.0	404.4	3,149.9
7	NOYON	UMNU-GOBI	3,527.7	194.4	120.5	60.0	0.0	470.6	4,373.2	1,521.7	143.1	74.4	42.0	0.0	372.5	2,153.7
8	NOMGON	UMNU-GOBI	3,801.5	172.8	205.8	60.0	0.0	665.9	4,906.0	1,754.2	127.2	127.0	42.0	0.0	472.8	2,523.1
9	SEVREI	UMNU-GOBI	3,339.6	237.6	149.1	60.0	0.0	548.2	4,334.5	1,933.9	174.9	92.0	42.0	0.0	488.4	2,731.2
10	KHANBOGD	UMNU-GOBI	3,921.8	151.2	200.0	60.0	0.0	444.6	4,777.6	2,124.3	111.3	123.4	42.0	0.0	370.5	2,771.5
11	TSOGT-OVOO	UMNU-GOBI	2,683.2	237.6	105.8	60.0	0.0	514.5	3,601.1	944.7	174.9	65.3	42.0	0.0	493.1	1,720.0
12	KHURMEN	UMNU-GOBI	4,041.7	237.6	139.7	60.0	0.0	339.3	4,818.3	2,244.0	174.9	86.2	42.0	0.0	313.4	2,860.5
13	TSOGT-TSETSII	UMNU-GOBI	4,287.6	324.0	162.5	60.0	0.0	909.6	5,743.7	2,133.2	238.5	100.2	42.0	0.0	696.2	3,210.2
14	ERDENE	GOBI-ALTAI	4,481.8	216.0	173.6	60.0	0.0	381.7	5,313.1	2,184.9	159.0	107.1	42.0	0.0	286.3	2,779.2
15	TSOGT	GOBI-ALTAI	2,904.7	259.2	258.9	60.0	0.0	445.8	3,928.6	889.8	190.8	159.7	42.0	0.0	209.5	1,491.8
16	CHANDMANI	GOBI-ALTAI	4,210.5	216.0	208.5	60.0	0.0	670.9	5,365.8	2,189.4	159.0	128.6	42.0	0.0	357.8	2,876.9
17	ALTAI	GOBI-ALTAI	4,400.6	151.2	179.5	60.0	0.0	898.9	5,690.1	1,859.3	111.3	110.7	42.0	0.0	584.3	2,707.5
19	TAISHIR	GOBI-ALTAI	2,919.2	194.4	92.0	60.0	0.0	248.9	3,514.4	1,207.5	143.1	56.7	42.0	0.0	158.4	1,607.7
20	BUGAT	GOBI-ALTAI	5,751.9	280.8	214.3	60.0	0.0	729.4	7,036.4	2,289.0	206.7	132.2	42.0	0.0	441.9	3,111.8
21	TSEEL	GOBI-ALTAI	5,839.2	237.6	224.1	60.0	0.0	1,170.3	7,531.2	862.6	174.9	138.3	42.0	0.0	385.3	1,603.0
22	TUGRUG	GOBI-ALTAI	5,568.7	540.0	234.4	60.0	0.0	524.7	6,927.7	3,257.7	397.5	144.6	42.0	0.0	437.2	4,279.0
23	SHARGA	GOBI-ALTAI	5,050.9	216.0	147.3	60.0	0.0	618.6	6,092.9	2,764.7	159.0	90.9	42.0	0.0	618.6	3,675.2
24	TONKHIL	GOBI-ALTAI	5,718.4	324.0	304.4	60.0	0.0	2,370.7	8,777.6	2,230.2	238.5	187.8	42.0	0.0	1,144.9	3,843.4
25	DARVI	GOBI-ALTAI	5,984.1	216.0	159.4	60.0	0.0	323.2	6,742.7	1,601.6	159.0	98.3	42.0	0.0	146.4	2,047.4
26	KHALIUN	GOBI-ALTAI	4,814.4	194.4	160.7	60.0	0.0	655.5	5,885.0	2,202.1	143.1	99.1	42.0	0.0	461.3	2,947.7
27	BIGER	GOBI-ALTAI	2,693.2	540.0	220.1	60.0	0.0	357.6	3,870.8	1,094.1	397.5	135.8	42.0	0.0	193.3	1,862.7
28	KHUKHMORIT	GOBI-ALTAI	3,166.5	259.2	186.6	60.0	0.0	302.5	3,974.8	1,481.9	190.8	115.1	42.0	0.0	217.8	2,047.6
29	BAYAN-UUL	GOBI-ALTAI	7,539.0	216.0	228.6	60.0	0.0	907.1	8,950.7	2,756.5	159.0	141.0	42.0	0.0	431.2	3,529.7
30	JARGALAN	GOBI-ALTAI	3,789.8	216.0	164.3	60.0	0.0	567.0	4,797.1	2,111.5	159.0	101.3	42.0	0.0	486.0	2,899.8
32	SHINEJINST	BAYANKHONGOR	3,312.8	280.8	184.8	60.0	0.0	553.5	4,391.9	1,310.7	206.7	114.0	42.0	0.0	336.9	2,010.3
33	BAYAN-UNDUR	BAYANKHONGOR	4,247.9	324.0	183.0	60.0	0.0	590.2	5,405.1	1,315.6	238.5	112.9	42.0	0.0	332.0	2,041.0
34	BAYANLIG	BAYANKHONGOR	3,918.2	324.0	229.9	60.0	0.0	620.9	5,153.0	1,959.1	238.5	141.8	42.0	0.0	477.6	2,859.1
35	BAYANGOBI	BAYANKHONGOR	2,509.4	324.0	192.4	60.0	0.0	697.1	3,782.9	1,071.9	238.5	118.7	42.0	0.0	456.0	1,927.0
36	BOGD	BAYANKHONGOR	3,597.8	324.0	219.6	60.0	0.0	556.0	4,757.4	1,837.4	238.5	135.5	42.0	0.0	407.7	2,661.1
37	JINST	BAYANKHONGOR	1,939.6	280.8	148.7	60.0	0.0	456.3	2,885.3	630.4	206.7	91.7	42.0	0.0	273.8	1,244.5

**Table I.8.3-1 Total Demand Forecast (YEAR 1999)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
38	BAATSAGAAN	BAYANKHONGOR	3,329.9	432.0	198.2	60.0	0.0	571.2	4,591.3	1,443.0	318.0	122.3	42.0	0.0	380.8	2,306.0
39	BAYAN-TSAGAAN	BAYANKHONGOR	4,416.1	324.0	316.9	60.0	0.0	651.7	5,768.7	2,075.5	238.5	195.5	42.0	0.0	470.6	3,022.2
40	KHUREEMARAL	BAYANKHONGOR	4,361.7	324.0	187.5	60.0	0.0	628.8	5,562.0	1,526.6	238.5	115.7	42.0	0.0	338.6	2,261.4
41	GURVANBULAG	BAYANKHONGOR	6,465.3	280.8	227.7	60.0	0.0	1,354.0	8,387.7	1,546.5	206.7	140.5	42.0	0.0	551.6	2,487.3
42	JARGALANT	BAYANKHONGOR	6,152.6	540.0	329.0	60.0	0.0	1,482.3	8,563.8	1,948.7	397.5	203.0	42.0	0.0	525.8	3,117.0
43	GALUUT	BAYANKHONGOR	5,341.2	345.6	292.8	60.0	0.0	1,322.4	7,362.0	1,382.1	254.4	180.7	42.0	0.0	349.3	2,208.5
44	ERDENETSOGT	BAYANKHONGOR	6,935.3	324.0	221.0	60.0	0.0	1,150.9	8,691.2	1,243.6	238.5	136.3	42.0	0.0	317.5	1,977.9
46	BAYANBULAG	BAYANKHONGOR	5,494.4	324.0	316.1	60.0	0.0	689.1	6,883.5	2,460.3	238.5	195.0	42.0	0.0	482.4	3,418.1
47	BUUTSAGAAN	BAYANKHONGOR	3,788.6	324.0	312.9	60.0	0.0	627.2	5,112.8	2,049.4	238.5	193.1	42.0	0.0	522.0	3,045.0
48	BUMBUGUR	BAYANKHONGOR	3,531.2	280.8	245.5	60.0	0.0	613.3	4,730.8	1,390.6	206.7	151.5	42.0	0.0	371.6	2,162.3
50	ZAG	BAYANKHONGOR	3,085.7	324.0	213.4	60.0	0.0	1,428.4	5,111.5	1,220.9	238.5	131.6	42.0	0.0	935.0	2,568.0
51	ERDENE	DORNOGOBI	6,863.3	324.0	194.6	60.0	0.0	1,392.3	8,834.3	3,937.4	238.5	120.1	42.0	0.0	1,254.0	5,591.9
52	DELGEREKH	DORNOGOBI	3,856.1	324.0	174.5	60.0	0.0	678.8	5,093.4	1,942.5	238.5	107.7	42.0	0.0	526.0	2,856.7
53	ZAMYN-UUD	DORNOGOBI	38,885.0	432.0	323.2	60.0	0.0	4,824.4	44,524.6	28,424.2	318.0	199.4	42.0	0.0	4,895.3	33,878.9
54	MANDAKH	DORNOGOBI	4,093.0	324.0	142.4	60.0	0.0	670.8	5,290.1	2,217.0	238.5	87.9	42.0	0.0	559.0	3,144.4
55	SAIKHANDULAAN	DORNOGOBI	1,849.1	216.0	56.7	60.0	0.0	373.8	2,555.6	861.1	159.0	35.0	42.0	0.0	306.3	1,403.4
56	KHATANBULAG	DORNOGOBI	3,555.8	324.0	170.5	60.0	0.0	584.3	4,694.7	1,654.2	238.5	105.2	42.0	0.0	420.0	2,459.8
57	KHUVSGUL	DORNOGOBI	2,915.9	216.0	142.4	60.0	0.0	491.1	3,825.5	1,509.6	159.0	87.9	42.0	0.0	359.4	2,157.8
9041	ULAANBADRAKH	DORNOGOBI	3,216.5	324.0	203.1	60.0	0.0	666.6	4,470.3	1,669.2	238.5	125.3	42.0	0.0	536.4	2,611.5
58	ONGON	SUKHBAATAR	6,954.6	345.6	330.8	60.0	0.0	1,779.9	9,470.9	3,705.3	254.4	204.1	42.0	0.0	1,495.9	5,701.7
59	DARIGANGA	SUKHBAATAR	4,203.8	172.8	188.8	60.0	0.0	956.4	5,581.8	1,407.1	127.2	116.5	42.0	0.0	782.5	2,475.4
60	NARAN	SUKHBAATAR	3,797.9	172.8	148.2	60.0	0.0	578.8	4,757.7	1,645.8	127.2	91.4	42.0	0.0	544.1	2,450.5
61	BAYANDELGER	SUKHBAATAR	5,494.6	345.6	310.7	60.0	0.0	967.9	7,178.8	1,713.7	254.4	191.7	42.0	0.0	592.8	2,794.6
62	ERDENETSAGAAN	SUKHBAATAR	694.7	388.8	381.7	60.0	0.0	1,569.8	3,095.0	3,797.3	286.2	235.5	42.0	0.0	1,242.6	5,603.5
63	SUKHBAATAR	SUKHBAATAR	4,085.2	216.0	169.6	60.0	0.0	867.2	5,398.1	2,168.0	159.0	104.7	42.0	0.0	814.1	3,287.8
64	TUMENTSOGT	SUKHBAATAR	6,106.0	259.2	291.9	60.0	0.0	1,890.4	8,607.5	3,107.7	190.8	180.1	42.0	0.0	1,757.0	5,277.6
65	TUVSHINSHIREE	SUKHBAATAR	3,366.5	172.8	129.5	60.0	0.0	515.2	4,244.0	1,989.3	127.2	79.9	42.0	0.0	468.4	2,706.7
66	UUL-BAYAN	SUKHBAATAR	4,959.7	172.8	276.8	60.0	0.0	1,143.1	6,612.4	2,174.2	127.2	170.7	42.0	0.0	976.4	3,490.5
67	MUNKH-KHAAN	SUKHBAATAR	4,952.8	388.8	329.4	60.0	0.0	1,567.0	7,298.1	1,384.3	286.2	203.2	42.0	0.0	721.5	2,637.3
69	MATAD	DORNOD	2,576.4	172.8	137.9	60.0	0.0	860.5	3,807.6	975.5	127.2	85.1	42.0	0.0	700.0	1,929.8
71	KHALKHGOL	DORNOD	3,099.7	432.0	225.0	60.0	0.0	1,288.2	5,104.9	2,014.8	318.0	138.8	42.0	0.0	1,288.2	3,801.8
72	KHULUN-BUIR	DORNOD	2,319.4	216.0	167.8	60.0	0.0	1,010.9	3,774.2	1,507.6	159.0	103.6	42.0	0.0	756.0	2,568.2
73	TSAGAAN-OVOO	DORNOD	3,478.6	302.4	270.5	60.0	0.0	1,311.2	5,422.6	1,938.1	222.6	166.9	42.0	0.0	1,120.8	3,490.4
74	CHULUUNKHOROOT	DORNOD	2,378.0	129.6	156.2	60.0	0.0	819.2	3,543.0	1,030.4	95.4	96.4	42.0	0.0	1,228.8	2,493.1
75	BAYAN-UUL	DORNOD	9,379.2	432.0	668.3	60.0	0.0	2,786.7	13,326.1	3,810.3	318.0	412.3	42.0	0.0	2,461.9	7,044.5

**Table I.8.3-1 Total Demand Forecast (YEAR 1999)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
76	BAYANDUN	DORNOD	8,377.6	216.0	243.3	60.0	0.0	1,028.7	9,925.6	5,016.7	159.0	150.1	42.0	0.0	947.7	6,315.5
78	BAYAN-ADRAGA	KHENTII	4,097.2	172.8	208.5	60.0	0.0	1,595.8	6,134.3	2,163.8	127.2	128.6	42.0	0.0	1,293.2	3,754.9
79	BINDER	KHENTII	4,343.4	216.0	311.1	60.0	0.0	2,460.2	7,390.7	2,352.7	159.0	192.0	42.0	0.0	2,317.2	5,062.8
80	BATSHIREET	KHENTII	5,968.6	172.8	180.8	60.0	0.0	1,280.1	7,662.2	3,122.6	127.2	111.5	42.0	0.0	1,216.7	4,620.0
81	NOROVLIN	KHENTII	3,622.1	216.0	220.1	60.0	0.0	1,368.7	5,486.9	1,726.5	159.0	135.8	42.0	0.0	1,295.5	3,358.8
83	DADAL	KHENTII	6,735.6	151.2	205.3	60.0	0.0	1,264.6	8,416.7	2,569.8	111.3	126.7	42.0	0.0	742.2	3,592.0
9071	GALSHAR	KHENTII	6,359.6	216.0	133.9	60.0	0.0	984.0	7,753.5	2,875.6	159.0	82.6	42.0	0.0	684.5	3,843.8
9072	BAYAN-OVOO	KHENTII	4,153.4	151.2	128.1	60.0	0.0	987.3	5,480.0	2,055.3	111.3	79.0	42.0	0.0	890.1	3,177.7
84	ULZIIT	DUNDGOBI	3,526.8	216.0	162.9	60.0	0.0	452.3	4,418.0	1,919.2	159.0	100.5	42.0	0.0	332.3	2,553.0
85	UNDURSHIL	DUNDGOBI	4,439.2	172.8	109.4	60.0	0.0	748.5	5,529.9	1,865.0	127.2	67.5	42.0	0.0	483.8	2,585.5
86	BAYANJARGALAN	DUNDGOBI	2,972.3	129.6	120.1	60.0	0.0	552.0	3,834.0	1,320.2	95.4	74.1	42.0	0.0	449.8	1,981.5
87	ADAATSAG	DUNDGOBI	2,716.2	172.8	180.3	60.0	0.0	525.9	3,655.3	763.9	127.2	111.3	42.0	0.0	229.3	1,273.7
9082	KHULD	DUNDGOBI	4,172.0	194.4	186.6	60.0	0.0	540.2	5,153.3	1,883.2	143.1	115.1	42.0	0.0	375.2	2,558.6
9083	DELGERKHANGAI	DUNDGOBI	4,328.8	216.0	214.3	60.0	0.0	418.5	5,237.6	1,744.8	159.0	132.2	42.0	0.0	259.5	2,337.5
89	BOGD	UVURKHANGAI	5,605.8	194.4	337.5	60.0	0.0	1,102.8	7,300.5	3,073.3	143.1	208.2	42.0	0.0	771.2	4,237.8
90	BARUUN BAYAN-ULA	UVURKHANGAI	3,846.8	151.2	205.8	60.0	0.0	1,950.5	6,214.3	1,282.3	111.3	127.0	42.0	0.0	1,000.3	2,562.8
91	GUCHIN-US	UVURKHANGAI	4,057.8	237.6	179.9	60.0	0.0	880.8	5,416.1	1,637.1	174.9	111.0	42.0	0.0	628.4	2,593.4
93	KHAIRKHANDULAAN	UVURKHANGAI	6,332.3	302.4	250.0	60.0	0.0	1,122.2	8,066.9	2,924.9	222.6	154.2	42.0	0.0	797.5	4,141.2
94	NARIINTEEL	UVURKHANGAI	4,880.6	259.2	167.0	60.0	0.0	1,408.4	6,775.2	1,238.0	190.8	103.0	42.0	0.0	841.0	2,414.8
95	BAYANTEEGL	UVURKHANGAI	3,233.2	151.2	50.0	60.0	0.0	695.2	4,189.6	1,778.3	111.3	30.8	42.0	0.0	594.0	2,556.4
96	JARGALANT	KHUVSGUL	6,472.4	388.8	364.3	60.0	0.0	1,328.0	8,613.4	2,493.1	286.2	224.7	42.0	0.0	1,124.3	4,170.3
97	GALT	KHUVSGUL	4,366.9	324.0	282.6	60.0	0.0	643.7	5,677.2	961.7	238.5	174.3	42.0	0.0	323.4	1,739.9
98	SHINE-IDER	KHUVSGUL	7,426.0	561.6	348.2	60.0	0.0	823.4	9,219.2	1,712.8	413.4	214.8	42.0	0.0	292.2	2,675.2
99	TUMURBULAG	KHUVSGUL	4,090.1	432.0	255.8	60.0	0.0	663.6	5,501.5	1,661.6	318.0	157.8	42.0	0.0	414.8	2,594.2
100	BURENTOGTOKH	KHUVSGUL	4,033.7	324.0	308.0	60.0	0.0	700.8	5,426.4	1,966.4	238.5	190.0	42.0	0.0	525.6	2,962.5
101	TSETSERLEG	KHUVSGUL	8,445.7	432.0	397.7	60.0	0.0	1,234.8	10,570.2	4,078.1	318.0	245.4	42.0	0.0	917.3	5,600.7
102	ARBULAG	KHUVSGUL	4,724.2	410.4	264.3	60.0	0.0	886.4	6,345.3	1,245.4	302.1	163.0	42.0	0.0	296.8	2,049.3
103	BAYANZURKH	KHUVSGUL	5,853.0	604.8	206.2	60.0	0.0	1,003.4	7,727.4	2,874.5	445.2	127.2	42.0	0.0	710.7	4,199.7
104	CHANDMANI-UNDUR	KHUVSGUL	4,893.7	280.8	260.7	60.0	0.0	877.0	6,372.2	2,787.4	206.7	160.8	42.0	0.0	835.1	4,032.0
105	TSAGAAN-UUR	KHUVSGUL	5,109.1	280.8	185.7	60.0	0.0	882.0	6,517.6	3,320.9	206.7	114.6	42.0	0.0	790.8	4,474.9
106	TSAGAAN-UUL	KHUVSGUL	8,692.5	453.6	370.1	60.0	0.0	1,091.4	10,667.5	2,351.6	333.9	228.3	42.0	0.0	454.2	3,410.0
107	ULAAN-UUL	KHUVSGUL	6,096.5	432.0	175.9	60.0	0.0	1,229.6	7,993.9	1,280.3	318.0	108.5	42.0	0.0	406.7	2,155.5
108	RENCHIN-LKHUNBE	KHUVSGUL	8,554.3	432.0	245.5	60.0	0.0	775.5	10,067.4	3,261.2	318.0	151.5	42.0	0.0	454.9	4,227.5
109	TUNEL	KHUVSGUL	5,053.3	259.2	171.9	60.0	0.0	1,219.8	6,764.2	2,778.1	190.8	106.0	42.0	0.0	1,070.5	4,187.4
110	TOSONTSENGEL	KHUVSGUL	8,152.4	432.0	292.8	60.0	0.0	1,275.2	10,212.5	4,420.9	318.0	180.7	42.0	0.0	1,063.9	6,025.5

**Table I.8.3-1 Total Demand Forecast (YEAR 1999)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
111	ALAG-ERDENE	KHUVSGUL	2,280.6	324.0	138.4	60.0	0.0	819.9	3,622.9	1,312.5	238.5	85.4	42.0	0.0	728.8	2,407.2
112	KHATGAL	KHUVSGUL	6,265.8	388.8	239.3	60.0	0.0	1,526.8	8,480.6	3,258.2	286.2	147.6	42.0	0.0	987.4	4,721.4
113	TSAGAAN-NUUR	KHUVSGUL	3,280.2	172.8	122.3	60.0	0.0	798.9	4,434.1	1,364.5	127.2	75.5	42.0	0.0	511.3	2,120.5
114	ERDENE-BULGAN	KHUVSGUL	4,124.2	280.8	237.9	60.0	0.0	1,110.1	5,813.1	1,675.5	206.7	146.8	42.0	0.0	805.4	2,876.3
115	KHANGAI	ARKHANGAI	3,995.2	302.4	242.4	60.0	0.0	1,309.0	5,909.0	1,943.9	222.6	149.5	42.0	0.0	976.4	3,334.4
117	TSAKHIR	ARKHANGAI	4,308.7	237.6	195.5	60.0	0.0	530.1	5,331.9	1,750.4	174.9	120.6	42.0	0.0	331.3	2,419.2
9111	CHULUUT	ARKHANGAI	2,499.5	324.0	224.5	60.0	0.0	1,052.6	4,160.7	1,171.7	238.5	138.5	42.0	0.0	762.2	2,352.9
118	SHILUUSTEI	ZAVKHAN	3,600.0	324.0	188.4	60.0	0.0	399.5	4,571.8	1,366.2	238.5	116.2	42.0	0.0	233.8	1,996.7
119	DURVULJIN	ZAVKHAN	4,748.1	324.0	214.3	60.0	0.0	794.3	6,140.6	685.8	238.5	132.2	42.0	0.0	424.9	1,523.5
120	YARUU	ZAVKHAN	4,232.2	324.0	181.7	60.0	0.0	462.0	5,259.9	383.9	238.5	112.1	42.0	0.0	65.4	841.8
121	ERDENEKHAIRKHAN	ZAVKHAN	7,565.1	216.0	187.5	60.0	0.0	577.1	8,605.6	1,916.3	159.0	115.7	42.0	0.0	219.4	2,452.3
122	ZAVKHANMANDAL	ZAVKHAN	3,638.3	324.0	141.5	60.0	0.0	685.2	4,849.1	928.4	238.5	87.3	42.0	0.0	460.7	1,756.9
123	URGAMAL	ZAVKHAN	5,480.9	216.0	162.5	60.0	0.0	719.7	6,639.0	675.0	159.0	100.2	42.0	0.0	136.4	1,112.6
124	SANTMARGATS	ZAVKHAN	6,609.1	324.0	188.4	60.0	0.0	1,118.1	8,299.6	1,227.4	238.5	116.2	42.0	0.0	447.3	2,071.4
125	TSETSEN-UUL	ZAVKHAN	6,325.6	324.0	166.5	60.0	0.0	1,575.2	8,451.2	2,364.2	238.5	102.7	42.0	0.0	905.7	3,653.1
126	IDER	ZAVKHAN	6,336.0	324.0	240.6	60.0	0.0	1,015.7	7,976.4	2,145.0	238.5	148.4	42.0	0.0	529.0	3,103.0
127	IKH-UUL	ZAVKHAN	5,441.8	432.0	394.6	60.0	0.0	1,251.0	7,579.4	1,552.4	318.0	243.5	42.0	0.0	550.6	2,706.5
128	TES	ZAVKHAN	7,430.6	540.0	342.8	60.0	0.0	1,566.4	9,939.8	1,431.7	397.5	211.5	42.0	0.0	467.0	2,549.8
129	TSAGAANCHULUUT	ZAVKHAN	3,966.4	216.0	168.3	60.0	0.0	801.6	5,212.3	1,426.6	159.0	103.8	42.0	0.0	441.3	2,172.7
130	TSAGAANKHAIRKHA	ZAVKHAN	3,804.9	216.0	207.6	60.0	0.0	564.7	4,853.1	1,269.6	159.0	128.1	42.0	0.0	288.0	1,886.6
131	TELMEN	ZAVKHAN	5,461.5	216.0	212.5	60.0	0.0	965.4	6,915.4	2,815.5	159.0	131.1	42.0	0.0	765.7	3,913.3
132	TUDEVTEI	ZAVKHAN	5,934.3	756.0	158.9	60.0	0.0	931.8	7,841.0	1,472.1	556.5	98.0	42.0	0.0	356.0	2,524.7
133	SONGINO	ZAVKHAN	6,235.0	216.0	220.1	60.0	0.0	1,059.4	7,790.4	2,431.6	159.0	135.8	42.0	0.0	635.6	3,404.0
134	OTGON	ZAVKHAN	4,079.6	324.0	192.4	60.0	0.0	1,629.9	6,285.9	883.9	238.5	118.7	42.0	0.0	537.9	1,821.0
135	NUMRUG	ZAVKHAN	4,924.6	280.8	196.0	60.0	0.0	1,313.2	6,774.5	992.3	206.7	120.9	42.0	0.0	407.2	1,769.1
136	ASGAT	ZAVKHAN	3,417.8	216.0	158.0	60.0	0.0	628.4	4,480.2	777.5	159.0	97.5	42.0	0.0	220.8	1,296.8
137	BAYANKHAIRKHAN	ZAVKHAN	3,484.6	216.0	165.2	60.0	0.0	649.4	4,575.2	906.0	159.0	101.9	42.0	0.0	389.7	1,598.5
138	TOSONTSENGEL	ZAVKHAN	30,241.2	2,160.0	893.2	60.0	0.0	5,559.9	38,914.3	17,025.0	1,590.0	551.1	42.0	0.0	4,930.0	24,138.2
9121	BAYANTES	ZAVKHAN	5,622.2	432.0	210.3	60.0	0.0	717.0	7,041.5	1,337.0	318.0	129.7	42.0	0.0	262.3	2,089.0
9122	ALDARKHAAN	ZAVKHAN	4,043.5	324.0	167.0	60.0	0.0	342.6	4,937.0	2,062.9	238.5	103.0	42.0	0.0	268.9	2,715.3
139	TESHIG	BULGAN	5,672.8	280.8	297.3	60.0	0.0	1,004.8	7,315.8	3,687.3	206.7	183.4	42.0	0.0	1,004.8	5,124.3
140	UNDURKHANGAI	UVS	9,198.5	432.0	316.9	60.0	0.0	2,637.2	12,644.7	996.5	318.0	195.5	42.0	0.0	439.5	1,991.6
141	TSAGAANKHAIRKHA	UVS	9,477.9	259.2	236.6	60.0	0.0	2,014.8	12,048.5	2,738.1	190.8	146.0	42.0	0.0	895.5	4,012.3
142	ZUUNKHANGAI	UVS	9,553.6	324.0	291.1	60.0	0.0	1,119.0	11,347.6	2,734.9	238.5	179.6	42.0	0.0	685.8	3,880.8
143	KHYARGAS	UVS	5,722.4	367.2	212.5	60.0	0.0	1,335.8	7,697.9	3,087.4	270.3	131.1	42.0	0.0	1,114.1	4,644.8

**Table I.8.3-1 Total Demand Forecast (YEAR 1999)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
144	BARUUNTURUUN	UVS	3,788.3	540.0	581.2	60.0	0.0	3,007.2	7,976.7	1,313.3	397.5	358.6	42.0	0.0	2,049.0	4,160.4
145	MALCHIN	UVS	6,583.8	388.8	406.2	60.0	0.0	1,518.8	8,957.6	3,090.7	286.2	250.6	42.0	0.0	1,096.6	4,766.2
146	ZUUNGobi	UVS	3,950.5	324.0	212.5	60.0	0.0	808.0	5,355.0	2,178.8	238.5	131.1	42.0	0.0	808.0	3,398.4
147	BUKHMURUN	UVS	4,394.8	324.0	234.4	60.0	0.0	923.7	5,936.8	1,495.5	238.5	144.6	42.0	0.0	481.9	2,402.5
148	ZAVKHAN	UVS	3,334.0	43.2	199.1	60.0	0.0	700.2	4,336.6	1,258.3	31.8	122.8	42.0	0.0	408.5	1,863.4
149	TES	UVS	4,894.4	756.0	361.6	60.0	0.0	936.6	7,008.6	2,663.5	556.5	223.1	42.0	0.0	777.3	4,262.3
151	ZEREG	KHOVD	4,780.3	324.0	265.2	60.0	0.0	911.6	6,341.1	2,193.3	238.5	163.6	42.0	0.0	596.4	3,233.8
152	DARVI	KHOVD	6,405.6	324.0	307.6	60.0	0.0	1,182.4	8,279.7	3,643.2	238.5	189.8	42.0	0.0	937.0	5,050.5
153	ALTAI	KHOVD	4,153.8	280.8	258.9	60.0	0.0	1,611.6	6,365.2	2,058.7	206.7	159.7	42.0	0.0	678.0	3,145.2
154	UYENCH	KHOVD	6,566.2	432.0	380.8	60.0	0.0	2,113.3	9,552.3	3,013.8	318.0	234.9	42.0	0.0	1,490.2	5,098.9
155	BULGAN	KHOVD	8,146.4	972.0	841.5	60.0	0.0	4,239.5	14,259.3	3,426.3	715.5	519.1	42.0	0.0	3,694.1	8,397.1
156	TSETSEG	KHOVD	3,217.4	432.0	192.4	60.0	0.0	544.3	4,446.2	971.0	318.0	118.7	42.0	0.0	254.0	1,703.7
157	MUST	KHOVD	9,697.0	432.0	341.5	60.0	0.0	1,626.8	12,157.3	3,463.2	318.0	210.7	42.0	0.0	768.3	4,802.2
158	MUNKH-KHAIRKHAN	KHOVD	5,679.1	324.0	183.9	60.0	0.0	1,019.6	7,266.6	1,915.4	238.5	113.5	42.0	0.0	741.5	3,050.9
159	MANKHAN	KHOVD	6,976.0	324.0	333.5	60.0	0.0	1,295.1	8,988.6	4,030.6	238.5	205.7	42.0	0.0	1,151.2	5,668.0
160	CHANDMANI	KHOVD	4,545.7	280.8	222.3	60.0	0.0	1,084.1	6,192.9	1,645.0	206.7	137.1	42.0	0.0	740.5	2,771.4
163	DURGUN	KHOVD	3,680.4	237.6	208.0	60.0	0.0	788.2	4,974.2	1,100.4	174.9	128.3	42.0	0.0	363.5	1,809.1
9151	DUUT	KHOVD	4,489.0	324.0	128.6	60.0	0.0	575.0	5,576.6	1,750.7	238.5	79.3	42.0	0.0	345.0	2,455.5
164	TOLBO	BAYAN-ULGII	6,403.0	367.2	227.7	60.0	0.0	1,092.6	8,150.4	3,011.5	270.3	140.5	42.0	0.0	790.6	4,254.8
165	TSAGAANNUUR	BAYAN-ULGII	13,239.8	324.0	164.3	60.0	0.0	1,291.5	15,079.5	2,189.4	238.5	101.3	42.0	0.0	328.6	2,899.8
166	BULGAN	BAYAN-ULGII	7,064.9	756.0	312.5	60.0	0.0	1,128.6	9,322.0	1,593.2	556.5	192.8	42.0	0.0	391.6	2,776.0
167	DELUUN	BAYAN-ULGII	7,844.2	712.8	351.3	60.0	0.0	1,399.6	10,367.9	3,446.3	524.7	216.7	42.0	0.0	946.0	5,175.8
168	ALTAI	BAYAN-ULGII	3,956.2	410.4	230.3	60.0	0.0	995.8	5,652.8	1,623.3	302.1	142.1	42.0	0.0	628.0	2,737.5
169	BUYANT	BAYAN-ULGII	5,854.6	324.0	162.5	60.0	0.0	1,141.7	7,542.8	3,044.4	238.5	100.2	42.0	0.0	913.4	4,338.5
170	BAYAN-NUUR	BAYAN-ULGII	7,155.2	540.0	397.3	60.0	0.0	1,545.7	9,698.2	3,052.1	397.5	245.1	42.0	0.0	1,014.4	4,751.1
171	ALTANTSUGTS	BAYAN-ULGII	7,755.3	324.0	196.9	60.0	0.0	1,846.3	10,182.5	724.4	238.5	121.5	42.0	0.0	264.5	1,390.8
9161	NOGOON-NUUR	BAYAN-ULGII	5,434.3	432.0	423.2	60.0	0.0	1,801.4	8,150.9	2,922.2	318.0	261.1	42.0	0.0	1,493.6	5,036.9
Average			5,308.1	322.7	233.9	60.0	0.0	1,053.4	6,978.1	2,256.7	237.5	144.3	42.0	0.0	712.2	3,392.8

**Table I.8.3-1 Total Demand Forecast (YEAR 2005)**

id	Sum Name	Aimag Name	Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
			Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
1	BAYANDALAI	UMNU-GOBI	3,270.7	237.6	184.8	60.0	0.0	454.1	4,207.1	843.6	174.9	114.0	42.0	0.0	176.0	1,350.5
2	BAYAN-OVOO	UMNU-GOBI	3,247.3	324.0	122.3	60.0	68.9	457.0	4,279.6	1,727.0	238.5	75.5	42.0	77.0	373.9	2,533.8
3	BULGAN	UMNU-GOBI	5,012.7	237.6	190.2	60.0	89.5	665.4	6,255.3	3,077.2	174.9	117.3	42.0	113.3	577.1	4,101.9
4	GURVANTES	UMNU-GOBI	5,781.2	237.6	203.1	60.0	157.8	858.7	7,298.4	2,517.7	174.9	125.3	42.0	136.0	596.8	3,592.7
5	MANDAL-OVOO	UMNU-GOBI	4,495.2	194.4	156.7	60.0	0.0	717.3	5,623.6	2,142.7	143.1	96.7	42.0	0.0	573.8	2,998.3
6	MANLAI	UMNU-GOBI	4,203.2	194.4	198.6	60.0	86.6	442.9	5,185.7	2,437.8	143.1	122.6	42.0	112.4	404.4	3,262.2
7	NOYON	UMNU-GOBI	3,527.7	194.4	120.5	60.0	62.8	470.6	4,436.0	1,521.7	143.1	74.4	42.0	79.9	372.5	2,233.6
8	NOMGON	UMNU-GOBI	4,025.6	172.8	205.8	60.0	0.0	713.3	5,177.5	1,857.6	127.2	127.0	42.0	0.0	506.4	2,660.2
9	SEVREI	UMNU-GOBI	4,256.8	237.6	149.1	60.0	124.8	733.5	5,561.8	2,465.1	174.9	92.0	42.0	123.5	653.5	3,551.0
10	KHANBOGD	UMNU-GOBI	3,921.8	151.2	200.0	60.0	133.0	444.6	4,910.6	2,124.3	111.3	123.4	42.0	94.4	370.5	2,865.9
11	TSOGT-OVOO	UMNU-GOBI	2,706.3	237.6	105.8	60.0	0.0	519.9	3,629.6	952.9	174.9	65.3	42.0	0.0	498.2	1,733.2
12	KHURMEN	UMNU-GOBI	4,041.7	237.6	139.7	60.0	65.0	339.3	4,883.4	2,244.0	174.9	86.2	42.0	65.5	313.4	2,926.0
13	TSOGT-TSETSII	UMNU-GOBI	5,147.3	324.0	162.5	60.0	0.0	1,132.6	6,826.4	2,560.9	238.5	100.2	42.0	0.0	866.9	3,808.6
14	ERDENE	GOBI-ALTAI	4,481.8	216.0	173.6	60.0	0.0	381.7	5,313.1	2,184.9	159.0	107.1	42.0	0.0	286.3	2,779.2
15	TSOGT	GOBI-ALTAI	2,904.7	259.2	258.9	60.0	87.5	445.8	4,016.1	889.8	190.8	159.7	42.0	43.8	209.5	1,535.6
16	CHANDMANI	GOBI-ALTAI	4,210.5	216.0	208.5	60.0	0.0	670.9	5,365.8	2,189.4	159.0	128.6	42.0	0.0	357.8	2,876.9
17	ALTAI	GOBI-ALTAI	5,616.5	151.2	179.5	60.0	0.0	1,204.6	7,211.7	2,373.0	111.3	110.7	42.0	0.0	783.0	3,419.9
19	TAISHIR	GOBI-ALTAI	2,919.2	194.4	92.0	60.0	0.0	248.9	3,514.4	1,207.5	143.1	56.7	42.0	0.0	158.4	1,607.7
20	BUGAT	GOBI-ALTAI	5,751.9	280.8	214.3	60.0	0.0	729.4	7,036.4	2,289.0	206.7	132.2	42.0	0.0	441.9	3,111.8
21	TSEEL	GOBI-ALTAI	6,907.0	237.6	224.1	60.0	0.0	1,500.2	8,928.9	1,068.9	174.9	138.3	42.0	0.0	493.9	1,918.0
22	TUGRUG	GOBI-ALTAI	5,568.7	540.0	234.4	60.0	108.1	524.7	7,035.8	3,257.7	397.5	144.6	42.0	89.8	437.2	4,368.7
23	SHARGA	GOBI-ALTAI	4,715.5	216.0	147.3	60.0	193.0	618.6	5,950.4	2,802.4	159.0	90.9	42.0	120.6	618.6	3,833.5
24	TONKHIL	GOBI-ALTAI	7,298.3	324.0	304.4	60.0	370.7	3,177.0	11,534.4	2,846.3	238.5	187.8	42.0	231.7	1,534.3	5,080.6
25	DARVI	GOBI-ALTAI	5,984.1	216.0	159.4	60.0	0.0	323.2	6,742.7	1,601.6	159.0	98.3	42.0	0.0	146.4	2,047.4
26	KHALIUN	GOBI-ALTAI	4,814.4	194.4	160.7	60.0	0.0	655.5	5,885.0	2,202.1	143.1	99.1	42.0	0.0	461.3	2,947.7
27	BIGER	GOBI-ALTAI	2,693.2	540.0	220.1	60.0	0.0	357.6	3,870.8	1,094.1	397.5	135.8	42.0	0.0	193.3	1,862.7
28	KHUKHMORIT	GOBI-ALTAI	3,166.5	259.2	186.6	60.0	87.9	302.5	4,062.6	1,481.9	190.8	115.1	42.0	67.2	217.8	2,114.9
29	BAYAN-UUL	GOBI-ALTAI	7,539.0	216.0	228.6	60.0	149.0	907.1	9,099.7	2,756.5	159.0	141.0	42.0	134.5	431.2	3,664.2
30	JARGALAN	GOBI-ALTAI	3,789.8	216.0	164.3	60.0	0.0	567.0	4,797.1	2,111.5	159.0	101.3	42.0	0.0	486.0	2,899.8
32	SHINEJINST	BAYANKHONGOR	3,673.3	280.8	184.8	60.0	0.0	626.5	4,825.4	1,453.3	206.7	114.0	42.0	0.0	381.4	2,197.4
33	BAYAN-UNDUR	BAYANKHONGOR	4,247.9	324.0	183.0	60.0	58.0	590.2	5,463.1	1,315.6	238.5	112.9	42.0	59.6	332.0	2,100.5
34	BAYANLIG	BAYANKHONGOR	4,346.2	324.0	229.9	60.0	0.0	703.2	5,663.3	2,173.1	238.5	141.8	42.0	0.0	540.9	3,136.4
35	BAYANGOBI	BAYANKHONGOR	2,509.4	324.0	192.4	60.0	0.0	697.1	3,782.9	1,071.9	238.5	118.7	42.0	0.0	456.0	1,927.0
36	BOGD	BAYANKHONGOR	3,597.8	324.0	219.6	60.0	0.0	556.0	4,757.4	1,837.4	238.5	135.5	42.0	0.0	407.7	2,661.1
37	JINST	BAYANKHONGOR	1,939.6	280.8	148.7	60.0	68.6	456.3	2,953.9	630.4	206.7	91.7	42.0	25.4	273.8	1,269.9

**Table I.8.3-1 Total Demand Forecast (YEAR 2005)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
38	BAATSAGAAN	BAYANKHONGOR	3,329.9	432.0	198.2	60.0	103.5	571.2	4,694.8	1,443.0	318.0	122.3	42.0	158.7	380.8	2,464.7
39	BAYAN-TSAGAAN	BAYANKHONGOR	4,416.1	324.0	316.9	60.0	97.6	651.7	5,866.3	2,075.5	238.5	195.5	42.0	114.0	470.6	3,136.2
40	KHUREEMARAL	BAYANKHONGOR	4,361.7	324.0	187.5	60.0	0.0	628.8	5,562.0	1,526.6	238.5	115.7	42.0	0.0	338.6	2,261.4
41	GURVANBULAG	BAYANKHONGOR	7,524.6	280.8	227.7	60.0	173.8	1,624.4	9,891.4	1,799.9	206.7	140.5	42.0	152.7	661.8	3,003.5
42	JARGALANT	BAYANKHONGOR	6,307.2	540.0	329.0	60.0	0.0	1,527.1	8,763.2	1,824.0	397.5	203.0	42.0	0.0	541.7	3,008.2
43	GALUUT	BAYANKHONGOR	5,341.2	345.6	292.8	60.0	157.1	1,322.4	7,519.1	1,382.1	254.4	180.7	42.0	80.9	349.3	2,289.4
44	ERDENETSOGT	BAYANKHONGOR	6,935.3	324.0	221.0	60.0	0.0	1,150.9	8,691.2	1,243.6	238.5	136.3	42.0	0.0	317.5	1,977.9
46	BAYANBULAG	BAYANKHONGOR	5,494.4	324.0	316.1	60.0	0.0	689.1	6,883.5	2,460.3	238.5	195.0	42.0	0.0	482.4	3,418.1
47	BUUTSAGAAN	BAYANKHONGOR	3,788.6	324.0	312.9	60.0	122.6	627.2	5,235.3	2,049.4	238.5	193.1	42.0	196.9	522.0	3,241.8
48	BUMBUGUR	BAYANKHONGOR	3,151.1	280.8	245.5	60.0	114.4	613.3	4,465.1	1,240.9	206.7	151.5	42.0	72.1	371.6	2,084.8
50	ZAG	BAYANKHONGOR	3,085.7	324.0	213.4	60.0	108.6	1,428.4	5,220.0	1,220.9	238.5	131.6	42.0	125.3	935.0	2,693.2
51	ERDENE	DORNOGOBI	6,863.3	324.0	194.6	60.0	166.9	1,392.3	9,001.2	3,937.4	238.5	120.1	42.0	214.4	1,254.0	5,806.4
52	DELGEREKH	DORNOGOBI	3,856.1	324.0	174.5	60.0	92.1	678.8	5,185.5	1,942.5	238.5	107.7	42.0	119.4	526.0	2,976.2
53	ZAMYN-UUD	DORNOGOBI	49,628.2	432.0	323.2	60.0	0.0	6,465.2	56,908.6	34,392.3	318.0	199.4	42.0	0.0	6,560.2	41,511.9
54	MANDAKH	DORNOGOBI	3,833.1	324.0	142.4	60.0	0.0	739.5	5,098.9	2,491.5	238.5	87.9	42.0	0.0	616.2	3,476.1
55	SAIKHANDULAAN	DORNOGOBI	2,262.2	216.0	56.7	60.0	73.5	476.2	3,144.5	1,053.4	159.0	35.0	42.0	85.7	390.2	1,765.3
56	KHATANBULAG	DORNOGOBI	3,965.6	324.0	170.5	60.0	0.0	666.0	5,186.2	1,844.8	238.5	105.2	42.0	0.0	478.7	2,709.2
57	KHUVSGUL	DORNOGOBI	2,915.9	216.0	142.4	60.0	0.0	491.1	3,825.5	1,509.6	159.0	87.9	42.0	0.0	359.4	2,157.8
9041	ULAANBADRAKH	DORNOGOBI	3,599.8	324.0	203.1	60.0	89.0	763.0	5,039.0	1,868.1	238.5	125.3	42.0	111.2	614.0	2,999.2
58	ONGON	SUKHBAATAR	6,954.6	345.6	330.8	60.0	0.0	1,779.9	9,470.9	3,705.3	254.4	204.1	42.0	0.0	1,495.9	5,701.7
59	DARIGANGA	SUKHBAATAR	4,217.4	172.8	188.8	60.0	0.0	960.2	5,599.2	1,411.7	127.2	116.5	42.0	0.0	785.6	2,483.0
60	NARAN	SUKHBAATAR	3,797.9	172.8	148.2	60.0	88.3	578.8	4,846.1	1,645.8	127.2	91.4	42.0	110.4	544.1	2,560.9
61	BAYANDELGER	SUKHBAATAR	5,594.8	345.6	310.7	60.0	128.1	989.1	7,428.3	1,744.9	254.4	191.7	42.0	141.2	605.8	2,980.1
62	ERDENETSAGAAN	SUKHBAATAR	694.7	388.8	381.7	60.0	289.0	1,569.8	3,384.0	357.4	286.2	235.5	42.0	272.2	1,242.6	2,435.9
63	SUKHBAATAR	SUKHBAATAR	5,213.9	216.0	169.6	60.0	195.9	1,162.2	7,017.6	2,767.0	159.0	104.7	42.0	229.8	1,091.0	4,393.5
64	TUMENTSOGT	SUKHBAATAR	6,168.4	259.2	291.9	60.0	0.0	1,913.6	8,693.2	3,139.5	190.8	180.1	42.0	0.0	1,778.6	5,331.0
65	TUVSHINSHIREE	SUKHBAATAR	3,366.5	172.8	129.5	60.0	0.0	515.2	4,244.0	1,989.3	127.2	79.9	42.0	0.0	468.4	2,706.7
66	UUL-BAYAN	SUKHBAATAR	5,821.9	172.8	276.8	60.0	243.8	1,385.5	7,960.7	2,552.1	127.2	170.7	42.0	280.7	1,183.4	4,356.2
67	MUNKH-KHAAN	SUKHBAATAR	4,952.8	388.8	329.4	60.0	0.0	1,567.0	7,298.1	1,384.3	286.2	203.2	42.0	0.0	721.5	2,637.3
69	MATAD	DORNOD	2,576.4	172.8	137.9	60.0	175.7	860.5	3,983.4	975.5	127.2	85.1	42.0	171.6	700.0	2,101.4
71	KHALKHGOL	DORNOD	3,099.7	432.0	225.0	60.0	0.0	1,288.2	5,104.9	2,014.8	318.0	138.8	42.0	0.0	1,288.2	3,801.8
72	KHULUN-BUIR	DORNOD	2,485.0	216.0	167.8	60.0	0.0	1,098.1	4,026.9	1,615.2	159.0	103.6	42.0	0.0	821.2	2,741.0
73	TSAGAAN-OVOO	DORNOD	3,478.6	302.4	270.5	60.0	0.0	1,311.2	5,422.6	1,938.1	222.6	166.9	42.0	0.0	1,120.8	3,490.4
74	CHULUUNKHOROOT	DORNOD	2,378.0	129.6	156.2	60.0	0.0	819.2	3,543.0	1,030.4	95.4	96.4	42.0	0.0	1,228.8	2,493.1
75	BAYAN-UUL	DORNOD	9,473.6	432.0	668.3	60.0	438.5	2,820.4	13,892.7	3,848.7	318.0	412.3	42.0	311.8	2,491.7	7,424.4

**Table I.8.3-1 Total Demand Forecast (YEAR 2005)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
76	BAYANDUN	DORNOD	8,377.6	216.0	243.3	60.0	179.1	1,028.7	10,104.7	5,016.7	159.0	150.1	42.0	191.5	947.7	6,506.9
78	BAYAN-ADRAGA	KHENTII	4,913.8	172.8	208.5	60.0	290.5	1,984.7	7,630.3	2,595.1	127.2	128.6	42.0	310.0	1,608.4	4,811.3
79	BINDER	KHENTII	5,543.4	216.0	311.1	60.0	527.7	3,296.9	9,955.1	3,002.6	159.0	192.0	42.0	614.9	3,105.2	7,115.8
80	BATSHIREET	KHENTII	5,968.6	172.8	180.8	60.0	0.0	1,280.1	7,662.2	3,122.6	127.2	111.5	42.0	0.0	1,216.7	4,620.0
81	NOROVLIN	KHENTII	4,622.8	216.0	220.1	60.0	0.0	1,834.2	6,953.1	2,203.5	159.0	135.8	42.0	0.0	1,736.1	4,276.4
83	DADAL	KHENTII	8,596.5	151.2	205.3	60.0	0.0	1,694.6	10,707.7	3,279.8	111.3	126.7	42.0	0.0	994.7	4,554.4
9071	GALSHAR	KHENTII	6,359.6	216.0	133.9	60.0	0.0	984.0	7,753.5	2,875.6	159.0	82.6	42.0	0.0	684.5	3,843.8
9072	BAYAN-OVOO	KHENTII	5,300.9	151.2	128.1	60.0	0.0	1,323.1	6,963.3	2,623.1	111.3	79.0	42.0	0.0	1,192.8	4,048.2
84	ULZIIT	DUNDGOBI	3,526.8	216.0	162.9	60.0	0.0	452.3	4,418.0	1,919.2	159.0	100.5	42.0	0.0	332.3	2,553.0
85	UNDURSHIL	DUNDGOBI	4,803.2	172.8	109.4	60.0	0.0	822.7	5,968.0	2,017.9	127.2	67.5	42.0	0.0	531.7	2,786.3
86	BAYANJARGALAN	DUNDGOBI	2,972.3	129.6	120.1	60.0	72.9	552.0	3,906.9	1,320.2	95.4	74.1	42.0	87.1	449.8	2,068.6
87	ADAATSAG	DUNDGOBI	2,716.2	172.8	180.3	60.0	85.2	525.9	3,740.5	763.9	127.2	111.3	42.0	53.1	229.3	1,326.8
9082	KHULD	DUNDGOBI	4,172.0	194.4	186.6	60.0	0.0	540.2	5,153.3	1,883.2	143.1	115.1	42.0	0.0	375.2	2,558.6
9083	DELGERKHANGAI	DUNDGOBI	4,328.8	216.0	214.3	60.0	0.0	418.5	5,237.6	1,744.8	159.0	132.2	42.0	0.0	259.5	2,337.5
89	BOGD	UVURKHANGAI	5,605.8	194.4	337.5	60.0	151.4	1,102.8	7,451.9	3,073.3	143.1	208.2	42.0	151.0	771.2	4,388.7
90	BARUUN BAYAN-ULAAN	UVURKHANGAI	4,909.5	151.2	205.8	60.0	0.0	2,613.9	7,940.4	1,636.5	111.3	127.0	42.0	0.0	1,340.5	3,257.2
91	GUCHIN-US	UVURKHANGAI	5,178.8	237.6	179.9	60.0	138.7	1,180.4	6,975.5	2,089.4	174.9	111.0	42.0	145.2	842.1	3,404.5
93	KHAIRKHANDULAAN	UVURKHANGAI	6,332.3	302.4	250.0	60.0	0.0	1,122.2	8,066.9	2,924.9	222.6	154.2	42.0	0.0	797.5	4,141.2
94	NARIINTEEL	UVURKHANGAI	6,229.0	259.2	167.0	60.0	155.7	1,887.4	8,758.3	1,580.0	190.8	103.0	42.0	208.8	1,127.1	3,251.7
95	BAYANTEEGL	UVURKHANGAI	3,233.2	151.2	50.0	60.0	0.0	695.2	4,189.6	1,778.3	111.3	30.8	42.0	0.0	594.0	2,556.4
96	JARGALANT	KHUVSGUL	7,274.1	388.8	364.3	60.0	0.0	1,527.7	9,614.9	2,801.9	286.2	224.7	42.0	0.0	1,293.4	4,648.2
97	GALT	KHUVSGUL	4,366.9	324.0	282.6	60.0	143.0	643.7	5,820.1	961.7	238.5	174.3	42.0	88.7	323.4	1,828.6
98	SHINE-IDER	KHUVSGUL	5,413.6	561.6	348.2	60.0	0.0	823.4	7,206.8	1,759.4	413.4	214.8	42.0	0.0	292.2	2,721.8
99	TUMURBULAG	KHUVSGUL	4,090.1	432.0	255.8	60.0	136.6	663.6	5,638.1	1,661.6	318.0	157.8	42.0	61.5	414.8	2,655.6
100	BURENTOGTOKH	KHUVSGUL	4,033.7	324.0	308.0	60.0	210.9	700.8	5,637.4	1,966.4	238.5	190.0	42.0	133.9	525.6	3,096.4
101	TSETSERLEG	KHUVSGUL	8,445.7	432.0	397.7	60.0	0.0	1,234.8	10,570.2	4,078.1	318.0	245.4	42.0	0.0	917.3	5,600.7
102	ARBULAG	KHUVSGUL	4,724.2	410.4	264.3	60.0	0.0	886.4	6,345.3	1,245.4	302.1	163.0	42.0	0.0	296.8	2,049.3
103	BAYANZURKH	KHUVSGUL	5,853.0	604.8	206.2	60.0	0.0	1,003.4	7,727.4	2,874.5	445.2	127.2	42.0	0.0	710.7	4,199.7
104	CHANDMANI-UNDUR	KHUVSGUL	4,893.7	280.8	260.7	60.0	0.0	877.0	6,372.2	2,787.4	206.7	160.8	42.0	0.0	835.1	4,032.0
105	TSAGAAN-UUR	KHUVSGUL	5,109.1	280.8	185.7	60.0	0.0	882.0	6,517.6	3,320.9	206.7	114.6	42.0	0.0	790.8	4,474.9
106	TSAGAAN-UUL	KHUVSGUL	7,574.5	453.6	370.1	60.0	202.6	1,091.4	9,752.2	2,351.6	333.9	228.3	42.0	73.6	454.2	3,483.6
107	ULAAN-UUL	KHUVSGUL	6,813.8	432.0	175.9	60.0	0.0	1,469.6	8,951.3	1,488.1	318.0	108.5	42.0	0.0	486.1	2,442.7
108	RENCHIN-LKHUNBE	KHUVSGUL	7,458.7	432.0	245.5	60.0	129.7	775.5	9,101.5	3,320.6	318.0	151.5	42.0	113.2	454.9	4,400.2
109	TUNEL	KHUVSGUL	5,053.3	259.2	171.9	60.0	206.2	1,219.8	6,970.4	2,778.1	190.8	106.0	42.0	226.1	1,070.5	4,413.6
110	TOSONTSENGEL	KHUVSGUL	5,469.2	432.0	292.8	60.0	201.0	1,275.2	7,730.2	2,965.9	318.0	180.7	42.0	212.1	1,063.9	4,782.5

**Table I.8.3-1 Total Demand Forecast (YEAR 2005)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
111	ALAG-ERDENE	KHUVSGUL	2,532.7	324.0	138.4	60.0	0.0	929.8	3,984.9	1,457.6	238.5	85.4	42.0	0.0	826.5	2,650.0
112	KHATGAL	KHUVSGUL	6,265.8	388.8	239.3	60.0	0.0	1,526.8	8,480.6	3,258.2	286.2	147.6	42.0	0.0	987.4	4,721.4
113	TSAGAAN-NUUR	KHUVSGUL	4,186.4	172.8	122.3	60.0	197.0	1,070.6	5,809.1	1,741.5	127.2	75.5	42.0	83.7	685.2	2,755.0
114	ERDENE-BULGAN	KHUVSGUL	4,124.2	280.8	237.9	60.0	167.7	1,110.1	5,980.8	1,675.5	206.7	146.8	42.0	161.3	805.4	3,037.6
115	KHANGAI	ARKHANGAI	4,641.8	302.4	242.4	60.0	211.5	1,567.2	7,025.4	2,258.5	222.6	149.5	42.0	214.1	1,169.0	4,055.7
117	TSAKHIR	ARKHANGAI	4,308.7	237.6	195.5	60.0	72.5	530.1	5,404.5	1,750.4	174.9	120.6	42.0	63.2	331.3	2,482.5
9111	CHULUUT	ARKHANGAI	4,105.5	324.0	224.5	60.0	0.0	1,365.8	6,079.8	1,932.4	238.5	138.5	42.0	0.0	989.0	3,340.5
118	SHILUUSTEI	ZAVKHAN	4,583.8	324.0	188.4	60.0	80.8	399.5	5,636.5	1,744.1	238.5	116.2	42.0	54.1	233.8	2,428.8
119	DURVULJIN	ZAVKHAN	4,748.1	324.0	214.3	60.0	114.8	794.3	6,255.4	685.8	238.5	132.2	42.0	112.2	424.9	1,635.6
120	YARUU	ZAVKHAN	4,232.2	324.0	181.7	60.0	0.0	462.0	5,259.9	383.9	238.5	112.1	42.0	0.0	65.4	841.8
121	ERDENEKHAIRKHAN	ZAVKHAN	7,565.1	216.0	187.5	60.0	0.0	577.1	8,605.6	1,916.3	159.0	115.7	42.0	0.0	219.4	2,452.3
122	ZAVKHANMANDAL	ZAVKHAN	3,638.3	324.0	141.5	60.0	0.0	685.2	4,849.1	928.4	238.5	87.3	42.0	0.0	460.7	1,756.9
123	URGAMAL	ZAVKHAN	5,480.9	216.0	162.5	60.0	0.0	719.7	6,639.0	675.0	159.0	100.2	42.0	0.0	136.4	1,112.6
124	SANTMARGATS	ZAVKHAN	6,609.1	324.0	188.4	60.0	0.0	1,118.1	8,299.6	1,227.4	238.5	116.2	42.0	0.0	447.3	2,071.4
125	TSETSEN-UUL	ZAVKHAN	8,073.2	324.0	166.5	60.0	292.3	2,110.9	11,026.8	3,017.4	238.5	102.7	42.0	244.4	1,213.8	4,858.7
126	IDER	ZAVKHAN	6,336.0	324.0	240.6	60.0	0.0	1,015.7	7,976.4	2,145.0	238.5	148.4	42.0	0.0	529.0	3,103.0
127	IKH-UUL	ZAVKHAN	5,441.8	432.0	394.6	60.0	142.6	1,251.0	7,722.1	1,552.4	318.0	243.5	42.0	188.7	550.6	2,895.2
128	TES	ZAVKHAN	7,430.6	540.0	342.8	60.0	0.0	1,566.4	9,939.8	1,431.7	397.5	211.5	42.0	0.0	467.0	2,549.8
129	TSAGAANCHULUUT	ZAVKHAN	4,097.5	216.0	168.3	60.0	88.6	833.5	5,463.9	1,473.7	159.0	103.8	42.0	95.6	458.9	2,333.1
130	TSAGAANKHAIRKHAN	ZAVKHAN	3,804.9	216.0	207.6	60.0	0.0	564.7	4,853.1	1,269.6	159.0	128.1	42.0	0.0	288.0	1,886.6
131	TELMEN	ZAVKHAN	5,461.5	216.0	212.5	60.0	0.0	965.4	6,915.4	2,815.5	159.0	131.1	42.0	0.0	765.7	3,913.3
132	TUDEVTEI	ZAVKHAN	6,080.3	756.0	158.9	60.0	0.0	959.4	8,014.5	1,508.3	556.5	98.0	42.0	0.0	366.6	2,571.4
133	SONGINO	ZAVKHAN	6,357.7	216.0	220.1	60.0	134.8	1,084.4	8,073.0	2,479.5	159.0	135.8	42.0	120.5	650.7	3,587.4
134	OTGON	ZAVKHAN	5,206.7	324.0	192.4	60.0	0.0	2,184.2	7,967.3	1,128.1	238.5	118.7	42.0	0.0	720.8	2,248.1
135	NUMRUG	ZAVKHAN	4,941.9	280.8	196.0	60.0	0.0	1,318.7	6,797.3	995.8	206.7	120.9	42.0	0.0	408.9	1,774.3
136	ASGAT	ZAVKHAN	3,417.8	216.0	158.0	60.0	115.9	628.4	4,596.1	777.5	159.0	97.5	42.0	51.1	220.8	1,347.9
137	BAYANKHAIRKHAN	ZAVKHAN	3,484.6	216.0	165.2	60.0	100.1	649.4	4,675.2	906.0	159.0	101.9	42.0	69.2	389.7	1,667.7
138	TOSONTSENGEL	ZAVKHAN	30,241.2	2,160.0	893.2	60.0	0.0	5,559.9	38,914.3	17,025.0	1,590.0	551.1	42.0	0.0	4,930.0	24,138.2
9121	BAYANTES	ZAVKHAN	5,622.2	432.0	210.3	60.0	0.0	717.0	7,041.5	1,337.0	318.0	129.7	42.0	0.0	262.3	2,089.0
9122	ALDARKHAAN	ZAVKHAN	4,043.5	324.0	167.0	60.0	0.0	342.6	4,937.0	2,062.9	238.5	103.0	42.0	0.0	268.9	2,715.3
139	TESHIG	BULGAN	6,054.8	280.8	297.3	60.0	151.2	1,086.6	7,930.6	3,935.6	206.7	183.4	42.0	188.1	1,086.6	5,642.4
140	UNDURKHANGAI	UVS	11,739.9	432.0	316.9	60.0	0.0	3,534.1	16,083.0	1,271.8	318.0	195.5	42.0	0.0	589.0	2,416.4
141	TSAGAANKHAIRKHAN	UVS	12,096.4	259.2	236.6	60.0	297.3	2,700.0	15,649.5	3,494.5	190.8	146.0	42.0	302.2	1,200.0	5,375.4
142	ZUUNKHANGAI	UVS	9,553.6	324.0	291.1	60.0	187.6	1,119.0	11,535.2	2,734.9	238.5	179.6	42.0	25.1	685.8	3,905.9
143	KHYARGAS	UVS	6,811.4	367.2	212.5	60.0	198.9	1,646.4	9,296.4	3,674.9	270.3	131.1	42.0	282.1	1,373.1	5,773.5

**Table I.8.3-1 Total Demand Forecast (YEAR 2005)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
144	BARUUNTURUUN	UVS	4,078.2	540.0	581.2	60.0	557.0	3,285.3	9,101.8	1,413.8	397.5	358.6	42.0	497.2	2,238.5	4,947.5
145	MALCHIN	UVS	8,402.8	388.8	406.2	60.0	0.0	2,035.4	11,293.2	3,944.6	286.2	250.6	42.0	0.0	1,469.6	5,993.0
146	ZUUNGobi	UVS	3,950.5	324.0	212.5	60.0	120.8	808.0	5,475.8	2,178.8	238.5	131.1	42.0	167.3	808.0	3,565.6
147	BUKHMRUN	UVS	5,609.0	324.0	234.4	60.0	214.7	1,237.8	7,679.9	1,908.7	238.5	144.6	42.0	49.8	645.8	3,029.5
148	ZAVKHAN	UVS	3,334.0	43.2	199.1	60.0	0.0	700.2	4,336.6	1,258.3	31.8	122.8	42.0	0.0	408.5	1,863.4
149	TES	UVS	4,894.4	756.0	361.6	60.0	165.3	936.6	7,173.9	2,663.5	556.5	223.1	42.0	215.2	777.3	4,477.6
151	ZEREG	KHOVD	4,854.3	324.0	265.2	60.0	0.0	928.6	6,432.1	2,227.3	238.5	163.6	42.0	0.0	607.5	3,278.9
152	DARVI	KHOVD	6,405.6	324.0	307.6	60.0	128.9	1,182.4	8,408.6	3,643.2	238.5	189.8	42.0	181.6	937.0	5,232.1
153	ALTAI	KHOVD	5,301.4	280.8	258.9	60.0	0.0	2,159.8	8,060.9	2,627.5	206.7	159.7	42.0	0.0	908.6	3,944.5
154	UYENCH	KHOVD	6,948.6	432.0	380.8	60.0	0.0	2,261.9	10,083.3	3,189.3	318.0	234.9	42.0	0.0	1,595.0	5,379.2
155	BULGAN	KHOVD	8,430.0	972.0	841.5	60.0	676.4	4,417.2	15,397.1	3,545.6	715.5	519.1	42.0	1,167.0	3,849.0	9,838.2
156	TSETSEG	KHOVD	3,217.4	432.0	192.4	60.0	0.0	544.3	4,446.2	971.0	318.0	118.7	42.0	0.0	254.0	1,703.7
157	MUST	KHOVD	9,697.0	432.0	341.5	60.0	223.6	1,626.8	12,381.0	3,463.2	318.0	210.7	42.0	290.4	768.3	5,092.7
158	MUNKH-KHAIRKHAN	KHOVD	5,821.8	324.0	183.9	60.0	155.3	1,050.4	7,595.4	1,963.5	238.5	113.5	42.0	162.8	763.9	3,284.2
159	MANKHAN	KHOVD	6,976.0	324.0	333.5	60.0	0.0	1,295.1	8,988.6	4,030.6	238.5	205.7	42.0	0.0	1,151.2	5,668.0
160	CHANDMANI	KHOVD	4,545.7	280.8	222.3	60.0	0.0	1,084.1	6,192.9	1,645.0	206.7	137.1	42.0	0.0	740.5	2,771.4
163	DURGUN	KHOVD	4,697.2	237.6	208.0	60.0	0.0	1,056.3	6,259.1	1,404.5	174.9	128.3	42.0	0.0	487.1	2,236.8
9151	DUUT	KHOVD	4,489.0	324.0	128.6	60.0	0.0	575.0	5,576.6	1,750.7	238.5	79.3	42.0	0.0	345.0	2,455.5
164	TOLBO	BAYAN-ULGII	6,403.0	367.2	227.7	60.0	192.0	1,092.6	8,342.5	3,011.5	270.3	140.5	42.0	168.0	790.6	4,422.9
165	TSAGAANNUUR	BAYAN-ULGII	13,239.8	324.0	164.3	60.0	277.4	1,291.5	15,357.0	2,189.4	238.5	101.3	42.0	91.7	328.6	2,991.6
166	BULGAN	BAYAN-ULGII	7,209.8	756.0	312.5	60.0	253.4	1,156.4	9,748.0	1,625.9	556.5	192.8	42.0	106.0	401.2	2,924.4
167	DELUUN	BAYAN-ULGII	7,844.2	712.8	351.3	60.0	0.0	1,399.6	10,367.9	3,446.3	524.7	216.7	42.0	0.0	946.0	5,175.8
168	ALTAI	BAYAN-ULGII	4,894.5	410.4	230.3	60.0	198.4	1,285.6	7,079.3	2,008.3	302.1	142.1	42.0	187.7	810.7	3,492.9
169	BUYANT	BAYAN-ULGII	5,854.6	324.0	162.5	60.0	147.2	1,141.7	7,690.0	3,044.4	238.5	100.2	42.0	105.7	913.4	4,444.3
170	BAYAN-NUUR	BAYAN-ULGII	8,139.2	540.0	397.3	60.0	452.8	1,804.2	11,393.5	3,471.9	397.5	245.1	42.0	274.1	1,184.0	5,614.6
171	ALTANTSUGTS	BAYAN-ULGII	9,138.0	324.0	196.9	60.0	303.9	2,248.0	12,270.8	853.5	238.5	121.5	42.0	67.2	322.0	1,644.7
9161	NOGOON-NUUR	BAYAN-ULGII	5,434.3	432.0	423.2	60.0	339.0	1,801.4	8,490.0	2,922.2	318.0	261.1	42.0	357.1	1,493.6	5,394.0
Average			5,608.6	322.7	233.9	60.0	87.2	1,154.7	7,467.2	2,369.0	237.5	144.3	42.0	81.1	777.8	3,651.7

**Table I.8.3-1 Total Demand Forecast (YEAR 2010)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
1	BAYANDALAI	UMNU-GOBI	3,348.5	237.6	184.8	60.0	0.0	454.1	4,285.0	843.6	174.9	114.0	42.0	0.0	176.0	1,350.5
2	BAYAN-OVOO	UMNU-GOBI	3,247.3	324.0	122.3	60.0	68.9	457.0	4,279.6	1,727.0	238.5	75.5	42.0	77.0	373.9	2,533.8
3	BULGAN	UMNU-GOBI	5,876.0	237.6	190.2	60.0	89.5	665.4	7,118.6	3,312.5	174.9	117.3	42.0	113.3	577.1	4,337.2
4	GURVANTES	UMNU-GOBI	5,781.2	237.6	203.1	60.0	157.8	858.7	7,298.4	2,611.7	174.9	125.3	42.0	136.0	596.8	3,686.7
5	MANDAL-OVOO	UMNU-GOBI	4,495.2	194.4	156.7	60.0	100.0	757.0	5,763.4	2,337.5	143.1	96.7	42.0	151.9	605.6	3,376.8
6	MANLAI	UMNU-GOBI	4,461.8	194.4	198.6	60.0	86.6	442.9	5,444.3	2,648.0	143.1	122.6	42.0	112.4	404.4	3,472.4
7	NOYON	UMNU-GOBI	3,848.4	194.4	120.5	60.0	62.8	470.6	4,756.7	1,980.3	143.1	74.4	42.0	79.9	372.5	2,692.2
8	NOMGON	UMNU-GOBI	4,025.6	172.8	205.8	60.0	100.4	755.4	5,320.0	1,857.6	127.2	127.0	42.0	87.0	536.3	2,777.1
9	SEVREI	UMNU-GOBI	4,256.8	237.6	149.1	60.0	159.0	935.0	5,797.5	2,465.1	174.9	92.0	42.0	157.4	833.0	3,764.4
10	KHANBOGD	UMNU-GOBI	3,921.8	151.2	200.0	60.0	133.0	444.6	4,910.6	2,124.3	111.3	123.4	42.0	94.4	370.5	2,865.9
11	TSOGT-OVOO	UMNU-GOBI	2,706.3	237.6	105.8	60.0	76.2	524.4	3,710.3	1,685.8	174.9	65.3	42.0	91.3	502.5	2,561.8
12	KHURMEN	UMNU-GOBI	4,041.7	237.6	139.7	60.0	65.0	339.3	4,883.4	2,426.4	174.9	86.2	42.0	65.5	313.4	3,108.4
13	TSOGT-TSETSII	UMNU-GOBI	5,147.3	324.0	162.5	60.0	119.4	1,359.7	7,172.9	2,560.9	238.5	100.2	42.0	134.1	1,040.7	4,116.5
14	ERDENE	GOBI-ALTAI	4,481.8	216.0	173.6	60.0	90.1	381.7	5,403.2	2,184.9	159.0	107.1	42.0	53.0	286.3	2,832.3
15	TSOGT	GOBI-ALTAI	9,448.5	259.2	258.9	60.0	87.5	445.8	10,559.9	2,886.3	190.8	159.7	42.0	43.8	209.5	3,532.1
16	CHANDMANI	GOBI-ALTAI	6,315.7	216.0	208.5	60.0	0.0	670.9	7,471.1	2,189.4	159.0	128.6	42.0	0.0	357.8	2,876.9
17	ALTAI	GOBI-ALTAI	5,616.5	151.2	179.5	60.0	0.0	1,537.4	7,544.5	2,373.0	111.3	110.7	42.0	0.0	999.3	3,636.2
19	TAISHIR	GOBI-ALTAI	2,919.2	194.4	92.0	60.0	0.0	248.9	3,514.4	1,207.5	143.1	56.7	42.0	0.0	158.4	1,607.7
20	BUGAT	GOBI-ALTAI	9,430.0	280.8	214.3	60.0	0.0	729.4	10,714.4	3,713.3	206.7	132.2	42.0	0.0	441.9	4,536.1
21	TSEEL	GOBI-ALTAI	7,992.4	237.6	224.1	60.0	0.0	1,845.2	10,359.3	1,710.3	174.9	138.3	42.0	0.0	607.5	2,672.9
22	TUGRUG	GOBI-ALTAI	6,014.2	540.0	234.4	60.0	108.1	524.7	7,481.3	3,257.7	397.5	144.6	42.0	89.8	437.2	4,368.7
23	SHARGA	GOBI-ALTAI	5,119.7	216.0	147.3	60.0	193.0	618.6	6,354.6	3,327.8	159.0	90.9	42.0	120.6	618.6	4,358.9
24	TONKHIL	GOBI-ALTAI	13,903.2	324.0	304.4	60.0	473.1	4,054.7	19,119.5	4,364.4	238.5	187.8	42.0	295.7	1,958.2	7,086.6
25	DARVI	GOBI-ALTAI	5,984.1	216.0	159.4	60.0	78.9	323.2	6,821.6	1,761.8	159.0	98.3	42.0	52.8	146.4	2,260.4
26	KHALIUN	GOBI-ALTAI	4,814.4	194.4	160.7	60.0	104.5	655.5	5,989.5	2,202.1	143.1	99.1	42.0	91.8	461.3	3,039.5
27	BIGER	GOBI-ALTAI	3,114.0	540.0	220.1	60.0	80.2	357.6	4,371.8	1,094.1	397.5	135.8	42.0	51.9	193.3	1,914.6
28	KHUKHMORIT	GOBI-ALTAI	3,166.5	259.2	186.6	60.0	87.9	302.5	4,062.6	1,481.9	190.8	115.1	42.0	67.2	217.8	2,114.9
29	BAYAN-UUL	GOBI-ALTAI	9,565.2	216.0	228.6	60.0	149.0	907.1	11,125.8	2,955.5	159.0	141.0	42.0	134.5	431.2	3,863.2
30	JARGALAN	GOBI-ALTAI	3,789.8	216.0	164.3	60.0	117.0	567.0	4,914.1	2,111.5	159.0	101.3	42.0	121.9	486.0	3,021.7
32	SHINEINST	BAYANKHONGOI	3,673.3	280.8	184.8	60.0	97.8	694.7	4,991.3	1,453.3	206.7	114.0	42.0	83.9	422.8	2,322.8
33	BAYAN-UNDUR	BAYANKHONGOI	5,997.0	324.0	183.0	60.0	58.0	590.2	7,212.2	2,192.7	238.5	112.9	42.0	59.6	332.0	2,977.6
34	BAYANLIG	BAYANKHONGOI	4,346.2	324.0	229.9	60.0	124.7	780.0	5,864.8	2,173.1	238.5	141.8	42.0	211.2	600.0	3,406.6
35	BAYANGOBI	BAYANKHONGOI	5,699.9	324.0	192.4	60.0	91.1	697.1	7,064.5	2,423.4	238.5	118.7	42.0	91.4	456.0	3,369.9
36	BOGD	BAYANKHONGOI	3,854.8	324.0	219.6	60.0	111.5	556.0	5,125.9	1,837.4	238.5	135.5	42.0	85.8	407.7	2,747.0
37	JINST	BAYANKHONGOI	3,232.6	280.8	148.7	60.0	68.6	456.3	4,246.9	1,260.7	206.7	91.7	42.0	25.4	273.8	1,900.2

**Table I.8.3-1 Total Demand Forecast (YEAR 2010)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
38	BAATSAGAAN	BAYANKHONGOI	3,329.9	432.0	198.2	60.0	103.5	571.2	4,694.8	1,443.0	318.0	122.3	42.0	158.7	380.8	2,464.7
39	BAYAN-TSAGAAN	BAYANKHONGOI	6,114.5	324.0	316.9	60.0	97.6	651.7	7,564.8	2,870.4	238.5	195.5	42.0	114.0	470.6	3,931.1
40	KHUREEMARAL	BAYANKHONGOI	4,361.7	324.0	187.5	60.0	0.0	628.8	5,562.0	1,526.6	238.5	115.7	42.0	0.0	338.6	2,261.4
41	GURVANBULAG	BAYANKHONGOI	8,126.6	280.8	227.7	60.0	202.3	1,890.6	10,788.0	2,152.0	206.7	140.5	42.0	177.7	770.2	3,489.1
42	JARGALANT	BAYANKHONGOI	7,910.7	540.0	329.0	60.0	0.0	1,565.4	10,405.1	1,824.0	397.5	203.0	42.0	0.0	555.3	3,021.8
43	GALUUT	BAYANKHONGOI	8,049.7	345.6	292.8	60.0	157.1	1,322.4	10,227.7	1,382.1	254.4	180.7	42.0	80.9	349.3	2,289.4
44	ERDENETSOGT	BAYANKHONGOI	6,935.3	324.0	221.0	60.0	0.0	1,150.9	8,691.2	1,243.6	238.5	136.3	42.0	0.0	317.5	1,977.9
46	BAYANBULAG	BAYANKHONGOI	6,104.8	324.0	316.1	60.0	111.8	689.1	7,605.8	2,777.7	238.5	195.0	42.0	97.3	482.4	3,832.9
47	BUUTSAGAAN	BAYANKHONGOI	3,788.6	324.0	312.9	60.0	122.6	627.2	5,235.3	2,049.4	238.5	193.1	42.0	196.9	522.0	3,241.8
48	BUMBUGUR	BAYANKHONGOI	3,597.5	280.8	245.5	60.0	114.4	613.3	4,911.6	1,416.7	206.7	151.5	42.0	72.1	371.6	2,260.6
50	ZAG	BAYANKHONGOI	7,378.8	324.0	213.4	60.0	108.6	1,428.4	9,513.1	3,139.3	238.5	131.6	42.0	125.3	935.0	4,611.7
51	ERDENE	DORNOGOBI	8,947.3	324.0	194.6	60.0	166.9	1,392.3	11,085.2	5,237.8	238.5	120.1	42.0	214.4	1,254.0	7,106.8
52	DELGEREKH	DORNOGOBI	3,856.1	324.0	174.5	60.0	92.1	678.8	5,185.5	1,942.5	238.5	107.7	42.0	119.4	526.0	2,976.2
53	ZAMYN-UUD	DORNOGOBI	52,145.2	432.0	323.2	60.0	0.0	8,251.4	61,211.8	34,392.3	318.0	199.4	42.0	0.0	8,372.7	43,324.3
54	MANDAKH	DORNOGOBI	4,599.7	324.0	142.4	60.0	0.0	802.1	5,928.1	2,491.5	238.5	87.9	42.0	0.0	668.4	3,528.2
55	SAIKHANDULAAN	DORNOGOBI	2,431.0	216.0	56.7	60.0	89.9	582.5	3,436.1	1,294.8	159.0	35.0	42.0	104.9	477.4	2,113.1
56	KHATANBULAG	DORNOGOBI	4,976.5	324.0	170.5	60.0	0.0	742.8	6,273.8	2,325.0	238.5	105.2	42.0	0.0	533.9	3,244.5
57	KHUVSGUL	DORNOGOBI	3,174.0	216.0	142.4	60.0	76.8	491.1	4,160.3	1,509.6	159.0	87.9	42.0	93.0	359.4	2,250.8
9041	ULAANBADRAKH	DORNOGOBI	3,716.0	324.0	203.1	60.0	99.6	854.0	5,256.6	1,943.6	238.5	125.3	42.0	124.5	687.2	3,161.1
58	ONGON	SUKHBAATAR	11,971.1	345.6	330.8	60.0	0.0	1,779.9	14,487.3	6,539.9	254.4	204.1	42.0	0.0	1,495.9	8,536.3
59	DARIGANGA	SUKHBAATAR	5,555.9	172.8	188.8	60.0	0.0	963.3	6,940.8	2,954.7	127.2	116.5	42.0	0.0	788.1	4,028.6
60	NARAN	SUKHBAATAR	3,797.9	172.8	148.2	60.0	88.3	578.8	4,846.1	2,320.5	127.2	91.4	42.0	110.4	544.1	3,235.7
61	BAYANDELGER	SUKHBAATAR	6,021.3	345.6	310.7	60.0	130.4	1,007.2	7,875.2	2,397.2	254.4	191.7	42.0	143.8	616.9	3,646.0
62	ERDENETSAGAAN	SUKHBAATAR	13,483.9	388.8	381.7	60.0	289.0	1,569.8	16,173.2	6,937.7	286.2	235.5	42.0	272.2	1,242.6	9,016.2
63	SUKHBAATAR	SUKHBAATAR	6,467.9	216.0	169.6	60.0	250.1	1,483.3	8,646.8	3,946.7	159.0	104.7	42.0	293.3	1,392.5	5,938.1
64	TUMENTSOGT	SUKHBAATAR	12,366.0	259.2	291.9	60.0	0.0	1,933.2	14,910.4	7,470.5	190.8	180.1	42.0	0.0	1,796.8	9,680.2
65	TUVSHINSHIREE	SUKHBAATAR	3,366.5	172.8	129.5	60.0	0.0	515.2	4,244.0	1,989.3	127.2	79.9	42.0	0.0	468.4	2,706.7
66	UUL-BAYAN	SUKHBAATAR	6,498.8	172.8	276.8	60.0	286.2	1,626.3	8,920.9	3,608.2	127.2	170.7	42.0	329.5	1,389.1	5,666.8
67	MUNKH-KHAAN	SUKHBAATAR	8,766.5	388.8	329.4	60.0	0.0	1,567.0	11,111.7	2,623.7	286.2	203.2	42.0	0.0	721.5	3,876.7
69	MATAD	DORNOD	5,227.8	172.8	137.9	60.0	175.7	860.5	6,634.8	2,764.0	127.2	85.1	42.0	171.6	700.0	3,889.8
71	KHALKHGOL	DORNOD	6,795.5	432.0	225.0	60.0	300.6	1,288.2	9,101.2	4,417.0	318.0	138.8	42.0	234.4	1,288.2	6,438.5
72	KHULUN-BUIR	DORNOD	6,080.3	216.0	167.8	60.0	175.3	1,176.5	7,875.8	2,955.5	159.0	103.6	42.0	200.1	879.8	4,340.0
73	TSAGAAN-OVOO	DORNOD	7,702.5	302.4	270.5	60.0	0.0	1,311.2	9,646.6	4,279.9	222.6	166.9	42.0	0.0	1,120.8	5,832.2
74	CHULUUNKHOROOT	DORNOD	5,442.9	129.6	156.2	60.0	0.0	819.2	6,608.0	5,306.8	95.4	96.4	42.0	0.0	1,228.8	6,769.5
75	BAYAN-UUL	DORNOD	15,039.4	432.0	668.3	60.0	442.9	2,848.8	19,491.3	8,636.4	318.0	412.3	42.0	314.9	2,516.8	12,240.4

**Table I.8.3-1 Total Demand Forecast (YEAR 2010)**

id	Sum Name	Aimag Name	Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
			Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
76	BAYANDUN	DORNOD	8,377.6	216.0	243.3	60.0	179.1	1,028.7	10,104.7	5,016.7	159.0	150.1	42.0	191.5	947.7	6,506.9
78	BAYAN-ADRAGA	KHENTII	10,042.6	172.8	208.5	60.0	348.4	2,380.3	13,212.6	5,290.0	127.2	128.6	42.0	371.8	1,929.0	7,888.6
79	BINDER	KHENTII	13,242.4	216.0	311.1	60.0	673.5	4,207.8	18,710.9	8,107.1	159.0	192.0	42.0	784.8	3,963.2	13,248.1
80	BATSHIREET	KHENTII	8,821.9	172.8	180.8	60.0	0.0	1,280.1	10,515.5	5,450.4	127.2	111.5	42.0	0.0	1,216.7	6,947.8
81	NOROVLIN	KHENTII	7,488.9	216.0	220.1	60.0	0.0	2,341.0	10,326.0	4,607.4	159.0	135.8	42.0	0.0	2,215.8	7,159.9
83	DADAL	KHENTII	8,596.5	151.2	205.3	60.0	0.0	2,162.8	11,175.9	3,279.8	111.3	126.7	42.0	0.0	1,269.5	4,829.2
9071	GALSHAR	KHENTII	6,359.6	216.0	133.9	60.0	0.0	984.0	7,753.5	2,875.6	159.0	82.6	42.0	0.0	684.5	3,843.8
9072	BAYAN-OVOO	KHENTII	6,600.5	151.2	128.1	60.0	279.1	1,688.6	8,907.5	3,868.0	111.3	79.0	42.0	315.2	1,522.4	5,937.8
84	ULZIIT	DUNDGOBI	4,429.0	216.0	162.9	60.0	0.0	452.3	5,320.2	2,114.7	159.0	100.5	42.0	0.0	332.3	2,748.5
85	UNDURSHIL	DUNDGOBI	4,803.2	172.8	109.4	60.0	0.0	890.1	6,035.5	2,017.9	127.2	67.5	42.0	0.0	575.3	2,829.9
86	BAYANJARGALAN	DUNDGOBI	3,343.9	129.6	120.1	60.0	72.9	552.0	4,278.4	1,771.0	95.4	74.1	42.0	87.1	449.8	2,519.4
87	ADAATSAG	DUNDGOBI	3,473.7	172.8	180.3	60.0	85.2	525.9	4,497.9	984.6	127.2	111.3	42.0	53.1	229.3	1,547.5
9082	KHULD	DUNDGOBI	4,172.0	194.4	186.6	60.0	83.9	540.2	5,237.2	1,883.2	143.1	115.1	42.0	82.0	375.2	2,640.6
9083	DELGERKHANGAI	DUNDGOBI	4,328.8	216.0	214.3	60.0	0.0	418.5	5,237.6	1,744.8	159.0	132.2	42.0	0.0	259.5	2,337.5
89	BOGD	UVURKHANGAI	7,814.1	194.4	337.5	60.0	151.4	1,102.8	9,660.3	3,551.8	143.1	208.2	42.0	151.0	771.2	4,867.2
90	BARUUN BAYAN-ULAAN	UVURKHANGAI	4,909.5	151.2	205.8	60.0	395.3	3,336.1	9,057.9	1,636.5	111.3	127.0	42.0	673.4	1,710.8	4,301.0
91	GUCHIN-US	UVURKHANGAI	5,607.4	237.6	179.9	60.0	177.0	1,506.5	7,768.5	2,600.1	174.9	111.0	42.0	185.3	1,074.7	4,188.0
93	KHAIRKHANDULAAN	UVURKHANGAI	6,332.3	302.4	250.0	60.0	0.0	1,122.2	8,066.9	2,924.9	222.6	154.2	42.0	0.0	797.5	4,141.2
94	NARIINTEEL	UVURKHANGAI	6,411.3	259.2	167.0	60.0	198.8	2,408.8	9,505.1	2,488.6	190.8	103.0	42.0	266.4	1,438.5	4,529.3
95	BAYANTEEG	UVURKHANGAI	3,929.6	151.2	50.0	60.0	0.0	695.2	4,886.0	2,182.4	111.3	30.8	42.0	109.0	594.0	3,069.6
96	JARGALANT	KHUVSGUL	8,782.8	388.8	364.3	60.0	231.4	1,716.9	11,544.2	4,833.2	286.2	224.7	42.0	151.2	1,453.6	6,991.0
97	GALT	KHUVSGUL	4,796.5	324.0	282.6	60.0	143.0	643.7	6,249.6	1,566.6	238.5	174.3	42.0	88.7	323.4	2,433.5
98	SHINE-IDER	KHUVSGUL	7,628.2	561.6	348.2	60.0	0.0	823.4	9,421.5	1,759.4	413.4	214.8	42.0	0.0	292.2	2,721.8
99	TUMURBULAG	KHUVSGUL	4,678.0	432.0	255.8	60.0	136.6	759.0	6,321.4	1,661.6	318.0	157.8	42.0	61.5	414.8	2,655.6
100	BURENTOGTOKH	KHUVSGUL	4,033.7	324.0	308.0	60.0	210.9	700.8	5,637.4	1,966.4	238.5	190.0	42.0	133.9	525.6	3,096.4
101	TSETSERLEG	KHUVSGUL	8,445.7	432.0	397.7	60.0	261.8	1,234.8	10,832.0	4,078.1	318.0	245.4	42.0	297.3	917.3	5,898.0
102	ARBULAG	KHUVSGUL	5,721.6	410.4	264.3	60.0	0.0	886.4	7,342.7	1,245.4	302.1	163.0	42.0	0.0	296.8	2,049.3
103	BAYANZURKH	KHUVSGUL	6,243.2	604.8	206.2	60.0	158.6	1,003.4	8,276.2	2,874.5	445.2	127.2	42.0	131.6	710.7	4,331.3
104	CHANDMANI-UNDUR	KHUVSGUL	6,331.5	280.8	260.7	60.0	0.0	877.0	7,810.0	3,918.7	206.7	160.8	42.0	0.0	835.1	5,163.3
105	TSAGAAN-UUR	KHUVSGUL	7,881.0	280.8	185.7	60.0	0.0	882.0	9,289.5	4,592.7	206.7	114.6	42.0	0.0	790.8	5,746.7
106	TSAGAAN-UUL	KHUVSGUL	8,804.1	453.6	370.1	60.0	202.6	1,091.4	10,981.8	2,381.8	333.9	228.3	42.0	73.6	454.2	3,513.8
107	ULAAN-UUL	KHUVSGUL	7,086.3	432.0	175.9	60.0	256.5	1,705.1	9,715.8	1,523.6	318.0	108.5	42.0	156.7	564.0	2,712.7
108	RENCHIN-LKHUNBE	KHUVSGUL	8,710.3	432.0	245.5	60.0	129.7	775.5	10,353.1	3,320.6	318.0	151.5	42.0	113.2	454.9	4,400.2
109	TUNEL	KHUVSGUL	7,190.3	259.2	171.9	60.0	206.2	1,219.8	9,107.4	4,101.7	190.8	106.0	42.0	226.1	1,070.5	5,737.3
110	TOSONTSENGEL	KHUVSGUL	8,322.7	432.0	292.8	60.0	201.0	1,275.2	10,583.7	4,513.3	318.0	180.7	42.0	212.1	1,063.9	6,329.9

**Table I.8.3-1 Total Demand Forecast (YEAR 2010)**

id	Sum Name	Aimag Name	Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
			Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
111	ALAG-ERDENE	KHUVSGUL	4,748.8	324.0	138.4	60.0	0.0	1,032.6	6,303.8	2,743.7	238.5	85.4	42.0	0.0	917.9	4,027.5
112	KHATGAL	KHUVSGUL	12,130.5	388.8	239.3	60.0	258.0	1,526.8	14,603.4	5,099.1	286.2	147.6	42.0	233.1	987.4	6,795.4
113	TSAGAAN-NUUR	KHUVSGUL	4,186.4	172.8	122.3	60.0	251.5	1,366.3	6,159.3	1,741.5	127.2	75.5	42.0	106.8	874.5	2,967.5
114	ERDENE-BULGAN	KHUVSGUL	6,572.9	280.8	237.9	60.0	167.7	1,110.1	8,429.5	3,099.6	206.7	146.8	42.0	161.3	805.4	4,461.7
115	KHANGAI	ARKHANGAI	8,225.0	302.4	242.4	60.0	245.8	1,820.9	10,896.4	3,987.6	222.6	149.5	42.0	248.8	1,358.2	6,008.7
117	TSAKHIR	ARKHANGAI	4,308.7	237.6	195.5	60.0	72.5	530.1	5,404.5	1,750.4	174.9	120.6	42.0	63.2	331.3	2,482.5
9111	CHULUUT	ARKHANGAI	5,953.0	324.0	224.5	60.0	253.3	1,696.9	8,511.7	2,802.0	238.5	138.5	42.0	229.2	1,228.8	4,679.0
118	SHILUUSTEI	ZAVKHAN	4,583.8	324.0	188.4	60.0	80.8	399.5	5,636.5	1,744.1	238.5	116.2	42.0	54.1	233.8	2,428.8
119	DURVULJIN	ZAVKHAN	5,275.7	324.0	214.3	60.0	114.8	794.3	6,782.9	1,834.6	238.5	132.2	42.0	112.2	424.9	2,784.4
120	YARUU	ZAVKHAN	5,216.4	324.0	181.7	60.0	85.6	462.0	6,329.7	479.8	238.5	112.1	42.0	14.6	65.4	952.4
121	ERDENEKHAIRKHAN	ZAVKHAN	8,121.3	216.0	187.5	60.0	0.0	577.1	9,161.9	2,006.7	159.0	115.7	42.0	0.0	219.4	2,542.7
122	ZAVKHANMANDAL	ZAVKHAN	4,770.2	324.0	141.5	60.0	87.7	685.2	6,068.7	2,084.6	238.5	87.3	42.0	55.6	460.7	2,968.7
123	URGAMAL	ZAVKHAN	5,480.9	216.0	162.5	60.0	85.7	719.7	6,724.8	675.0	159.0	100.2	42.0	31.6	136.4	1,144.2
124	SANTMARGATS	ZAVKHAN	7,867.9	324.0	188.4	60.0	0.0	1,118.1	9,558.4	2,045.7	238.5	116.2	42.0	0.0	447.3	2,889.6
125	TSETSEN-UUL	ZAVKHAN	8,073.2	324.0	166.5	60.0	373.0	2,694.1	11,690.8	3,017.4	238.5	102.7	42.0	311.9	1,549.1	5,261.6
126	IDER	ZAVKHAN	6,336.0	324.0	240.6	60.0	0.0	1,015.7	7,976.4	2,145.0	238.5	148.4	42.0	0.0	529.0	3,103.0
127	IKH-UUL	ZAVKHAN	8,586.0	432.0	394.6	60.0	142.6	1,251.0	10,866.2	2,456.4	318.0	243.5	42.0	188.7	550.6	3,799.1
128	TES	ZAVKHAN	10,057.8	540.0	342.8	60.0	295.2	1,566.4	12,862.3	1,949.2	397.5	211.5	42.0	375.1	467.0	3,442.4
129	TSAGAANCHULUUT	ZAVKHAN	4,862.3	216.0	168.3	60.0	91.6	861.0	6,259.2	1,740.1	159.0	103.8	42.0	98.8	474.0	2,617.7
130	TSAGAANKHAIRKHAN	ZAVKHAN	5,073.1	216.0	207.6	60.0	0.0	564.7	6,121.4	1,681.7	159.0	128.1	42.0	0.0	288.0	2,298.8
131	TELLEN	ZAVKHAN	5,461.5	216.0	212.5	60.0	125.0	965.4	7,040.4	2,815.5	159.0	131.1	42.0	165.7	765.7	4,079.0
132	TUDEVTEI	ZAVKHAN	6,227.1	756.0	158.9	60.0	159.2	983.0	8,344.2	1,546.5	556.5	98.0	42.0	71.3	375.6	2,689.9
133	SONGINO	ZAVKHAN	6,357.7	216.0	220.1	60.0	137.5	1,105.8	8,097.0	2,479.5	159.0	135.8	42.0	122.9	663.5	3,602.6
134	OTGON	ZAVKHAN	6,942.2	324.0	192.4	60.0	0.0	2,787.7	10,306.3	1,489.1	238.5	118.7	42.0	0.0	919.9	2,808.2
135	NUMRUG	ZAVKHAN	6,375.0	280.8	196.0	60.0	160.0	1,323.3	8,395.1	1,284.9	206.7	120.9	42.0	102.1	410.3	2,166.9
136	ASGAT	ZAVKHAN	5,269.1	216.0	158.0	60.0	115.9	628.4	6,447.4	1,203.4	159.0	97.5	42.0	51.1	220.8	1,773.8
137	BAYANKHAIRKHAN	ZAVKHAN	4,646.1	216.0	165.2	60.0	100.1	649.4	5,836.8	1,812.0	159.0	101.9	42.0	69.2	389.7	2,573.7
138	TOSONTSENGEL	ZAVKHAN	37,064.2	2,160.0	893.2	60.0	918.2	5,559.9	46,655.5	21,362.5	1,590.0	551.1	42.0	688.5	4,930.0	29,164.2
9121	BAYANTES	ZAVKHAN	5,622.2	432.0	210.3	60.0	123.2	717.0	7,164.7	1,337.0	318.0	129.7	42.0	49.9	262.3	2,138.9
9122	ALDARKHAAN	ZAVKHAN	4,043.5	324.0	167.0	60.0	118.5	342.6	5,055.5	2,062.9	238.5	103.0	42.0	49.4	268.9	2,764.7
139	TESHIG	BULGAN	6,054.8	280.8	297.3	60.0	161.4	1,159.7	8,014.0	3,935.6	206.7	183.4	42.0	200.8	1,159.7	5,728.2
140	UNDURKHANGAI	UVS	11,739.9	432.0	316.9	60.0	0.0	4,510.5	17,059.4	1,271.8	318.0	195.5	42.0	0.0	751.8	2,579.1
141	TSAGAANKHAIRKHAN	UVS	12,096.4	259.2	236.6	60.0	379.4	3,446.0	16,477.6	3,494.5	190.8	146.0	42.0	385.6	1,531.5	5,790.5
142	ZUUNKHANGAI	UVS	7,866.3	324.0	291.1	60.0	187.6	1,119.0	9,847.9	3,133.8	238.5	179.6	42.0	25.1	685.8	4,304.8
143	KHYARGAS	UVS	6,811.4	367.2	212.5	60.0	236.7	1,959.8	9,647.6	3,692.4	270.3	131.1	42.0	335.7	1,634.4	6,106.0

**Table I.8.3-1 Total Demand Forecast (YEAR 2010)**

id	Sum Name	Aimag Name	Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
			Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
144	BARUUNTURUUN	UVS	16,638.9	540.0	581.2	60.0	599.6	3,536.7	21,956.5	7,369.3	397.5	358.6	42.0	535.2	2,409.8	11,112.4
145	MALCHIN	UVS	8,620.6	388.8	406.2	60.0	316.1	2,597.7	12,389.5	4,045.8	286.2	250.6	42.0	369.1	1,875.6	6,869.3
146	ZUUNGABI	UVS	4,788.5	324.0	212.5	60.0	120.8	808.0	6,313.8	3,112.5	238.5	131.1	42.0	167.3	808.0	4,499.4
147	BUKHMURUN	UVS	7,588.7	324.0	234.4	60.0	274.0	1,579.8	10,060.9	2,573.5	238.5	144.6	42.0	63.6	824.2	3,886.5
148	ZAVKHAN	UVS	4,517.1	43.2	199.1	60.0	111.3	700.2	5,631.0	1,712.7	31.8	122.8	42.0	96.5	408.5	2,414.3
149	TES	UVS	5,486.3	756.0	361.6	60.0	165.3	936.6	7,765.8	2,959.4	556.5	223.1	42.0	215.2	777.3	4,773.5
151	ZEREG	KHOVD	5,555.2	324.0	265.2	60.0	0.0	943.0	7,147.3	2,362.3	238.5	163.6	42.0	0.0	616.9	3,423.2
152	DARVI	KHOVD	7,072.9	324.0	307.6	60.0	128.9	1,182.4	9,075.8	3,643.2	238.5	189.8	42.0	181.6	937.0	5,232.1
153	ALTAI	KHOVD	9,608.8	280.8	258.9	60.0	323.9	2,756.5	13,288.9	2,627.5	206.7	159.7	42.0	294.9	1,159.6	4,490.5
154	UYENCH	KHOVD	13,755.5	432.0	380.8	60.0	0.0	2,393.6	17,021.8	6,304.8	318.0	234.9	42.0	0.0	1,687.8	8,587.6
155	BULGAN	KHOVD	23,901.5	972.0	841.5	60.0	700.0	4,570.9	31,045.9	13,537.6	715.5	519.1	42.0	1,207.6	3,983.0	20,004.8
156	TSETSEG	KHOVD	4,136.7	432.0	192.4	60.0	123.2	544.3	5,488.7	1,254.8	318.0	118.7	42.0	29.4	254.0	2,016.9
157	MUST	KHOVD	11,055.7	432.0	341.5	60.0	223.6	1,626.8	13,739.6	3,394.0	318.0	210.7	42.0	290.4	768.3	5,023.4
158	MUNKH-KHAIRKHAN	KHOVD	6,645.6	324.0	183.9	60.0	159.2	1,076.8	8,449.5	3,141.6	238.5	113.5	42.0	166.9	783.1	4,485.5
159	MANKHAN	KHOVD	8,720.0	324.0	333.5	60.0	248.6	1,295.1	10,981.1	5,038.2	238.5	205.7	42.0	314.5	1,151.2	6,990.2
160	CHANDMANI	KHOVD	7,518.8	280.8	222.3	60.0	136.1	1,084.1	9,302.1	3,338.0	206.7	137.1	42.0	132.9	740.5	4,597.2
163	DURGUN	KHOVD	5,636.7	237.6	208.0	60.0	232.5	1,348.1	7,722.9	1,689.4	174.9	128.3	42.0	117.9	621.6	2,774.2
9151	DUUT	KHOVD	4,489.0	324.0	128.6	60.0	99.3	575.0	5,675.9	1,750.7	238.5	79.3	42.0	88.8	345.0	2,544.3
164	TOLBO	BAYAN-ULGII	6,403.0	367.2	227.7	60.0	192.0	1,092.6	8,342.5	3,011.5	270.3	140.5	42.0	168.0	790.6	4,422.9
165	TSAGAANNUUR	BAYAN-ULGII	13,239.8	324.0	164.3	60.0	277.4	1,291.5	15,357.0	2,189.4	238.5	101.3	42.0	91.7	328.6	2,991.6
166	BULGAN	BAYAN-ULGII	7,209.8	756.0	312.5	60.0	258.6	1,180.1	9,777.0	1,625.9	556.5	192.8	42.0	108.2	409.4	2,934.8
167	DELUUN	BAYAN-ULGII	7,844.2	712.8	351.3	60.0	0.0	1,399.6	10,367.9	3,446.3	524.7	216.7	42.0	0.0	946.0	5,175.8
168	ALTAI	BAYAN-ULGII	6,791.2	410.4	230.3	60.0	245.5	1,590.5	9,327.9	2,783.8	302.1	142.1	42.0	232.2	1,003.0	4,505.2
169	BUYANT	BAYAN-ULGII	5,854.6	324.0	162.5	60.0	147.2	1,141.7	7,690.0	3,044.4	238.5	100.2	42.0	105.7	913.4	4,444.3
170	BAYAN-NUUR	BAYAN-ULGII	8,139.2	540.0	397.3	60.0	515.1	2,052.3	11,703.9	3,471.9	397.5	245.1	42.0	311.8	1,346.8	5,815.1
171	ALTANTSUGTS	BAYAN-ULGII	9,915.2	324.0	196.9	60.0	358.0	2,648.8	13,502.9	923.2	238.5	121.5	42.0	79.2	379.4	1,783.8
9161	NOGOON-NUUR	BAYAN-ULGII	9,831.1	432.0	423.2	60.0	339.0	1,801.4	12,886.8	5,298.4	318.0	261.1	42.0	357.1	1,493.6	7,770.3
Average			7,098.7	322.7	233.9	60.0	141.5	1,261.6	9,118.4	3,133.2	237.5	144.3	42.0	131.6	846.6	4,535.2

**Table I.8.3-1 Total Demand Forecast (YEAR 2015)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
1	BAYANDALAI	UMNU-GOBI	3,348.5	237.6	184.8	60.0	69.8	454.1	4,354.8	843.6	174.9	114.0	42.0	19.6	176.0	1,370.1
2	BAYAN-OVOO	UMNU-GOBI	3,247.3	324.0	122.3	60.0	68.9	457.0	4,279.6	1,727.0	238.5	75.5	42.0	77.0	373.9	2,533.8
3	BULGAN	UMNU-GOBI	5,876.0	237.6	190.2	60.0	89.5	665.4	7,118.6	3,312.5	174.9	117.3	42.0	113.3	577.1	4,337.2
4	GURVANTES	UMNU-GOBI	5,781.2	237.6	203.1	60.0	157.8	858.7	7,298.4	2,611.7	174.9	125.3	42.0	136.0	596.8	3,686.7
5	MANDAL-OVOO	UMNU-GOBI	4,744.3	194.4	156.7	60.0	105.6	799.0	6,060.0	2,467.0	143.1	96.7	42.0	160.3	639.2	3,548.3
6	MANLAI	UMNU-GOBI	4,461.8	194.4	198.6	60.0	86.6	442.9	5,444.3	2,648.0	143.1	122.6	42.0	112.4	404.4	3,472.4
7	NOYON	UMNU-GOBI	3,848.4	194.4	120.5	60.0	62.8	470.6	4,756.7	1,980.3	143.1	74.4	42.0	79.9	372.5	2,692.2
8	NOMGON	UMNU-GOBI	4,263.0	172.8	205.8	60.0	106.3	799.9	5,607.8	1,967.2	127.2	127.0	42.0	92.2	567.9	2,923.4
9	SEVREI	UMNU-GOBI	5,425.9	237.6	149.1	60.0	202.7	1,191.8	7,267.1	3,142.1	174.9	92.0	42.0	200.7	1,061.8	4,713.5
10	KHANBOGD	UMNU-GOBI	3,921.8	151.2	200.0	60.0	133.0	444.6	4,910.6	2,124.3	111.3	123.4	42.0	94.4	370.5	2,865.9
11	TSOGT-OVOO	UMNU-GOBI	2,729.7	237.6	105.8	60.0	76.9	528.9	3,738.9	1,700.4	174.9	65.3	42.0	92.1	506.8	2,581.5
12	KHURMEN	UMNU-GOBI	4,041.7	237.6	139.7	60.0	65.0	339.3	4,883.4	2,426.4	174.9	86.2	42.0	65.5	313.4	3,108.4
13	TSOGT-TSETSII	UMNU-GOBI	6,179.4	324.0	162.5	60.0	143.3	1,632.3	8,501.5	3,074.4	238.5	100.2	42.0	161.0	1,249.4	4,865.5
14	ERDENE	GOBI-ALTAI	4,481.8	216.0	173.6	60.0	90.1	381.7	5,403.2	2,184.9	159.0	107.1	42.0	53.0	286.3	2,832.3
15	TSOGT	GOBI-ALTAI	9,448.5	259.2	258.9	60.0	87.5	445.8	10,559.9	2,886.3	190.8	159.7	42.0	43.8	209.5	3,532.1
16	CHANDMANI	GOBI-ALTAI	6,315.7	216.0	208.5	60.0	143.6	670.9	7,614.7	2,189.4	159.0	128.6	42.0	96.7	357.8	2,973.5
17	ALTAI	GOBI-ALTAI	7,168.2	151.2	179.5	60.0	407.0	1,962.1	9,928.0	3,028.6	111.3	110.7	42.0	320.3	1,275.4	4,888.2
19	TAISHIR	GOBI-ALTAI	2,919.2	194.4	92.0	60.0	58.7	248.9	3,573.1	1,207.5	143.1	56.7	42.0	41.9	158.4	1,649.6
20	BUGAT	GOBI-ALTAI	9,430.0	280.8	214.3	60.0	116.4	729.4	10,830.8	3,713.3	206.7	132.2	42.0	95.9	441.9	4,631.9
21	TSEEL	GOBI-ALTAI	9,830.4	237.6	224.1	60.0	252.6	2,269.6	12,874.3	2,103.6	174.9	138.3	42.0	64.9	747.2	3,270.8
22	TUGRUG	GOBI-ALTAI	6,014.2	540.0	234.4	60.0	108.1	524.7	7,481.3	3,257.7	397.5	144.6	42.0	89.8	437.2	4,368.7
23	SHARGA	GOBI-ALTAI	5,119.7	216.0	147.3	60.0	193.0	618.6	6,354.6	3,327.8	159.0	90.9	42.0	120.6	618.6	4,358.9
24	TONKHIL	GOBI-ALTAI	17,744.4	324.0	304.4	60.0	603.8	5,175.0	24,211.7	5,570.2	238.5	187.8	42.0	377.4	2,499.2	8,915.1
25	DARVI	GOBI-ALTAI	5,984.1	216.0	159.4	60.0	78.9	323.2	6,821.6	1,761.8	159.0	98.3	42.0	52.8	146.4	2,260.4
26	KHALIJUN	GOBI-ALTAI	4,814.4	194.4	160.7	60.0	104.5	655.5	5,989.5	2,202.1	143.1	99.1	42.0	91.8	461.3	3,039.5
27	BIGER	GOBI-ALTAI	3,114.0	540.0	220.1	60.0	80.2	357.6	4,371.8	1,094.1	397.5	135.8	42.0	51.9	193.3	1,914.6
28	KHUKHMORIT	GOBI-ALTAI	3,166.5	259.2	186.6	60.0	87.9	302.5	4,062.6	1,481.9	190.8	115.1	42.0	67.2	217.8	2,114.9
29	BAYAN-UUL	GOBI-ALTAI	9,565.2	216.0	228.6	60.0	149.0	907.1	11,125.8	2,955.5	159.0	141.0	42.0	134.5	431.2	3,863.2
30	JARGALAN	GOBI-ALTAI	3,789.8	216.0	164.3	60.0	117.0	567.0	4,914.1	2,111.5	159.0	101.3	42.0	121.9	486.0	3,021.7
32	SHINEINST	BAYANKHONGOI	4,072.9	280.8	184.8	60.0	108.4	770.3	5,477.2	1,611.5	206.7	114.0	42.0	93.0	468.9	2,536.1
33	BAYAN-UNDUR	BAYANKHONGOI	5,997.0	324.0	183.0	60.0	58.0	590.2	7,212.2	2,192.7	238.5	112.9	42.0	59.6	332.0	2,977.6
34	BAYANLIG	BAYANKHONGOI	4,821.0	324.0	229.9	60.0	138.3	865.2	6,438.4	2,410.5	238.5	141.8	42.0	234.2	665.6	3,732.6
35	BAYANGOBI	BAYANKHONGOI	5,699.9	324.0	192.4	60.0	91.1	697.1	7,064.5	2,423.4	238.5	118.7	42.0	91.4	456.0	3,369.9
36	BOGD	BAYANKHONGOI	3,854.8	324.0	219.6	60.0	111.5	556.0	5,125.9	1,837.4	238.5	135.5	42.0	85.8	407.7	2,747.0
37	JINST	BAYANKHONGOI	3,232.6	280.8	148.7	60.0	68.6	456.3	4,246.9	1,260.7	206.7	91.7	42.0	25.4	273.8	1,900.2

**Table I.8.3-1 Total Demand Forecast (YEAR 2015)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
38	BAATSAGAAN	BAYANKHONGOR	3,329.9	432.0	198.2	60.0	103.5	571.2	4,694.8	1,443.0	318.0	122.3	42.0	158.7	380.8	2,464.7
39	BAYAN-TSAGAAN	BAYANKHONGOR	6,114.5	324.0	316.9	60.0	97.6	651.7	7,564.8	2,870.4	238.5	195.5	42.0	114.0	470.6	3,931.1
40	KHUREEMARAL	BAYANKHONGOR	4,361.7	324.0	187.5	60.0	113.9	628.8	5,675.9	1,526.6	238.5	115.7	42.0	429.3	338.6	2,690.7
41	GURVANBULAG	BAYANKHONGOR	9,458.2	280.8	227.7	60.0	235.5	2,200.4	12,462.6	2,504.7	206.7	140.5	42.0	206.8	896.5	3,997.1
42	JARGALANT	BAYANKHONGOR	8,109.4	540.0	329.0	60.0	241.4	1,604.8	10,884.6	1,869.8	397.5	203.0	42.0	41.7	569.3	3,123.2
43	GALUUT	BAYANKHONGOR	8,049.7	345.6	292.8	60.0	157.1	1,322.4	10,227.7	1,382.1	254.4	180.7	42.0	80.9	349.3	2,289.4
44	ERDENETSOGT	BAYANKHONGOR	6,935.3	324.0	221.0	60.0	154.5	1,150.9	8,845.7	1,243.6	238.5	136.3	42.0	33.1	317.5	2,011.0
46	BAYANBULAG	BAYANKHONGOR	6,104.8	324.0	316.1	60.0	111.8	689.1	7,605.8	2,777.7	238.5	195.0	42.0	97.3	482.4	3,832.9
47	BUUTSAGAAN	BAYANKHONGOR	3,788.6	324.0	312.9	60.0	122.6	627.2	5,235.3	2,049.4	238.5	193.1	42.0	196.9	522.0	3,241.8
48	BUMBUGUR	BAYANKHONGOR	3,597.5	280.8	245.5	60.0	114.4	613.3	4,911.6	1,416.7	206.7	151.5	42.0	72.1	371.6	2,260.6
50	ZAG	BAYANKHONGOR	7,378.8	324.0	213.4	60.0	108.6	1,428.4	9,513.1	3,139.3	238.5	131.6	42.0	125.3	935.0	4,611.7
51	ERDENE	DORNOGOBI	8,947.3	324.0	194.6	60.0	166.9	1,392.3	11,085.2	5,237.8	238.5	120.1	42.0	214.4	1,254.0	7,106.8
52	DELGEREKH	DORNOGOBI	3,856.1	324.0	174.5	60.0	92.1	678.8	5,185.5	1,942.5	238.5	107.7	42.0	119.4	526.0	2,976.2
53	ZAMYN-UUD	DORNOGOBI	66,551.9	432.0	323.2	60.0	1,438.5	10,531.2	79,336.8	43,894.3	318.0	199.4	42.0	2,609.7	10,685.9	57,749.3
54	MANDAKH	DORNOGOBI	4,989.0	324.0	142.4	60.0	105.3	869.9	6,490.6	2,702.4	238.5	87.9	42.0	147.7	724.9	3,943.4
55	SAIKHANDULAAN	DORNOGOBI	2,974.1	216.0	56.7	60.0	110.0	712.7	4,129.5	1,584.1	159.0	35.0	42.0	128.3	584.0	2,532.4
56	KHATANBULAG	DORNOGOBI	5,550.0	324.0	170.5	60.0	134.3	828.4	7,067.2	2,592.9	238.5	105.2	42.0	155.8	595.4	3,729.9
57	KHUVSGUL	DORNOGOBI	3,174.0	216.0	142.4	60.0	76.8	491.1	4,160.3	1,509.6	159.0	87.9	42.0	93.0	359.4	2,250.8
9041	ULAANBADRAKH	DORNOGOBI	4,158.8	324.0	203.1	60.0	111.5	955.7	5,813.1	2,175.2	238.5	125.3	42.0	139.3	769.1	3,489.4
58	ONGON	SUKHBAATAR	11,971.1	345.6	330.8	60.0	255.4	1,779.9	14,742.8	6,539.9	254.4	204.1	42.0	319.3	1,495.9	8,855.6
59	DARIGANGA	SUKHBAATAR	5,574.0	172.8	188.8	60.0	136.2	966.4	7,098.2	2,964.3	127.2	116.5	42.0	146.5	790.7	4,187.2
60	NARAN	SUKHBAATAR	3,797.9	172.8	148.2	60.0	88.3	578.8	4,846.1	2,320.5	127.2	91.4	42.0	110.4	544.1	3,235.7
61	BAYANDELGER	SUKHBAATAR	6,131.1	345.6	310.7	60.0	132.8	1,025.5	8,005.7	2,440.9	254.4	191.7	42.0	146.4	628.1	3,703.6
62	ERDENETSAGAAN	SUKHBAATAR	13,483.9	388.8	381.7	60.0	289.0	1,569.8	16,173.2	6,937.7	286.2	235.5	42.0	272.2	1,242.6	9,016.2
63	SUKHBAATAR	SUKHBAATAR	8,254.8	216.0	169.6	60.0	319.2	1,893.1	10,912.7	5,037.1	159.0	104.7	42.0	374.4	1,777.2	7,494.3
64	TUMENTSOGT	SUKHBAATAR	12,492.5	259.2	291.9	60.0	280.9	1,953.0	15,337.6	7,547.0	190.8	180.1	42.0	351.1	1,815.1	10,126.1
65	TUVSHINSHIREE	SUKHBAATAR	3,366.5	172.8	129.5	60.0	87.0	515.2	4,331.0	1,989.3	127.2	79.9	42.0	117.1	468.4	2,823.8
66	UUL-BAYAN	SUKHBAATAR	7,628.5	172.8	276.8	60.0	335.9	1,909.0	10,383.0	4,235.4	127.2	170.7	42.0	386.8	1,630.6	6,592.7
67	MUNKH-KHAAN	SUKHBAATAR	8,766.5	388.8	329.4	60.0	162.5	1,567.0	11,274.2	2,623.7	286.2	203.2	42.0	184.5	721.5	4,061.2
69	MATAD	DORNOD	5,227.8	172.8	137.9	60.0	175.7	860.5	6,634.8	2,764.0	127.2	85.1	42.0	171.6	700.0	3,889.8
71	KHALKHGOL	DORNOD	6,795.5	432.0	225.0	60.0	300.6	1,288.2	9,101.2	4,417.0	318.0	138.8	42.0	234.4	1,288.2	6,438.5
72	KHULUN-BUIR	DORNOD	6,514.2	216.0	167.8	60.0	187.8	1,260.4	8,406.3	3,166.5	159.0	103.6	42.0	214.4	942.6	4,628.0
73	TSAGAAN-OVOO	DORNOD	7,702.5	302.4	270.5	60.0	194.1	1,311.2	9,840.7	4,279.9	222.6	166.9	42.0	176.3	1,120.8	6,008.5
74	CHULUNKHOROOT	DORNOD	7,556.6	129.6	156.2	60.0	196.1	1,137.4	9,235.9	5,306.8	95.4	96.4	42.0	227.4	1,228.8	6,996.9
75	BAYAN-UUL	DORNOD	15,190.8	432.0	668.3	60.0	447.4	2,877.4	19,675.8	8,723.3	318.0	412.3	42.0	318.1	2,542.1	12,355.8

**Table I.8.3-1 Total Demand Forecast (YEAR 2015)**

id	Sum Name	Aimag Name	Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
			Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
76	BAYANDUN	DORNOD	8,377.6	216.0	243.3	60.0	179.1	1,028.7	10,104.7	5,016.7	159.0	150.1	42.0	191.5	947.7	6,506.9
78	BAYAN-ADRAGA	KHENTII	12,044.2	172.8	208.5	60.0	417.8	2,854.7	15,758.0	6,344.4	127.2	128.6	42.0	445.9	2,313.4	9,401.5
79	BINDER	KHENTII	16,901.1	216.0	311.1	60.0	859.6	5,370.3	23,718.2	10,347.0	159.0	192.0	42.0	1,001.7	5,058.1	16,799.7
80	BATSHIREET	KHENTII	8,821.9	172.8	180.8	60.0	184.5	1,280.1	10,700.0	5,450.4	127.2	111.5	42.0	221.8	1,216.7	7,169.6
81	NOROVLIN	KHENTII	9,558.0	216.0	220.1	60.0	468.2	2,987.8	13,510.1	5,880.3	159.0	135.8	42.0	554.0	2,828.0	9,599.0
83	DADAL	KHENTII	10,971.6	151.2	205.3	60.0	511.3	2,760.4	14,659.8	4,185.9	111.3	126.7	42.0	375.1	1,620.2	6,461.2
9071	GALSHAR	KHENTII	6,359.6	216.0	133.9	60.0	131.5	984.0	7,885.0	2,875.6	159.0	82.6	42.0	103.0	684.5	3,946.8
9072	BAYAN-OVOO	KHENTII	8,424.1	151.2	128.1	60.0	356.2	2,155.1	11,274.7	4,936.6	111.3	79.0	42.0	402.3	1,943.0	7,514.2
84	ULZIIT	DUNDGOBI	4,429.0	216.0	162.9	60.0	78.4	452.3	5,398.6	2,114.7	159.0	100.5	42.0	52.1	332.3	2,800.6
85	UNDURSHIL	DUNDGOBI	5,197.0	172.8	109.4	60.0	87.7	963.1	6,589.9	2,183.4	127.2	67.5	42.0	109.6	622.5	3,152.1
86	BAYANJARGALAN	DUNDGOBI	3,343.9	129.6	120.1	60.0	72.9	552.0	4,278.4	1,771.0	95.4	74.1	42.0	87.1	449.8	2,519.4
87	ADAATSAG	DUNDGOBI	3,473.7	172.8	180.3	60.0	85.2	525.9	4,497.9	984.6	127.2	111.3	42.0	53.1	229.3	1,547.5
9082	KHULD	DUNDGOBI	4,172.0	194.4	186.6	60.0	83.9	540.2	5,237.2	1,883.2	143.1	115.1	42.0	82.0	375.2	2,640.6
9083	DELGERKHANGAI	DUNDGOBI	4,328.8	216.0	214.3	60.0	51.2	418.5	5,288.7	1,744.8	159.0	132.2	42.0	49.3	259.5	2,386.8
89	BOGD	UVURKHANGAI	7,814.1	194.4	337.5	60.0	151.4	1,102.8	9,660.3	3,551.8	143.1	208.2	42.0	151.0	771.2	4,867.2
90	BARUUN BAYAN-ULA	UVURKHANGAI	6,266.0	151.2	205.8	60.0	504.5	4,257.8	11,445.3	2,088.7	111.3	127.0	42.0	859.4	2,183.5	5,411.8
91	GUCHIN-US	UVURKHANGAI	7,156.7	237.6	179.9	60.0	225.9	1,922.8	9,782.9	3,318.5	174.9	111.0	42.0	236.5	1,371.7	5,254.5
93	KHAIRKHANDULAA	UVURKHANGAI	6,332.3	302.4	250.0	60.0	145.9	1,122.2	8,212.8	2,924.9	222.6	154.2	42.0	145.8	797.5	4,287.0
94	NARIINTEEL	UVURKHANGAI	8,182.7	259.2	167.0	60.0	253.7	3,074.4	11,996.9	3,176.1	190.8	103.0	42.0	340.1	1,835.9	5,687.8
95	BAYANTEEGL	UVURKHANGAI	3,929.6	151.2	50.0	60.0	0.0	695.2	4,886.0	2,182.4	111.3	30.8	42.0	109.0	594.0	3,069.6
96	JARGALANT	KHUVSGUL	9,870.6	388.8	364.3	60.0	260.1	1,929.6	12,873.3	5,431.9	286.2	224.7	42.0	169.9	1,633.7	7,788.4
97	GALT	KHUVSGUL	4,796.5	324.0	282.6	60.0	143.0	643.7	6,249.6	1,566.6	238.5	174.3	42.0	88.7	323.4	2,433.5
98	SHINE-IDER	KHUVSGUL	7,628.2	561.6	348.2	60.0	165.1	823.4	9,586.6	1,759.4	413.4	214.8	42.0	60.9	292.2	2,782.7
99	TUMURBULAG	KHUVSGUL	4,678.0	432.0	255.8	60.0	136.6	759.0	6,321.4	1,661.6	318.0	157.8	42.0	61.5	414.8	2,655.6
100	BURENTOGTOKH	KHUVSGUL	4,033.7	324.0	308.0	60.0	210.9	700.8	5,637.4	1,966.4	238.5	190.0	42.0	133.9	525.6	3,096.4
101	TSETSERLEG	KHUVSGUL	8,445.7	432.0	397.7	60.0	261.8	1,234.8	10,832.0	4,078.1	318.0	245.4	42.0	297.3	917.3	5,898.0
102	ARBULAG	KHUVSGUL	5,721.6	410.4	264.3	60.0	168.7	886.4	7,511.4	1,245.4	302.1	163.0	42.0	68.7	296.8	2,118.0
103	BAYANZURKH	KHUVSGUL	6,243.2	604.8	206.2	60.0	158.6	1,003.4	8,276.2	2,874.5	445.2	127.2	42.0	131.6	710.7	4,331.3
104	CHANDMANI-UNDUR	KHUVSGUL	6,331.5	280.8	260.7	60.0	176.0	877.0	7,986.0	3,918.7	206.7	160.8	42.0	166.3	835.1	5,329.7
105	TSAGAAN-UUR	KHUVSGUL	7,881.0	280.8	185.7	60.0	111.7	882.0	9,401.2	4,592.7	206.7	114.6	42.0	139.6	790.8	5,886.3
106	TSAGAAN-UUL	KHUVSGUL	8,804.1	453.6	370.1	60.0	202.6	1,091.4	10,981.8	2,381.8	333.9	228.3	42.0	73.6	454.2	3,513.8
107	ULAAN-UUL	KHUVSGUL	8,221.6	432.0	175.9	60.0	297.6	1,978.2	11,165.4	1,767.7	318.0	108.5	42.0	181.8	654.3	3,072.3
108	RENCHIN-LKHUNBE	KHUVSGUL	8,710.3	432.0	245.5	60.0	129.7	775.5	10,353.1	3,320.6	318.0	151.5	42.0	113.2	454.9	4,400.2
109	TUNEL	KHUVSGUL	7,190.3	259.2	171.9	60.0	206.2	1,219.8	9,107.4	4,101.7	190.8	106.0	42.0	226.1	1,070.5	5,737.3
110	TOSONTSENGEL	KHUVSGUL	8,322.7	432.0	292.8	60.0	201.0	1,275.2	10,583.7	4,513.3	318.0	180.7	42.0	212.1	1,063.9	6,329.9

**Table I.8.3-1 Total Demand Forecast (YEAR 2015)**

			Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
id	Sum Name	Aimag Name	Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
111	ALAG-ERDENE	KHUVSGUL	5,273.7	324.0	138.4	60.0	247.8	1,146.7	7,190.6	3,047.0	238.5	85.4	42.0	240.4	1,019.3	4,672.7
112	KHATGAL	KHUVSGUL	12,130.5	388.8	239.3	60.0	258.0	1,526.8	14,603.4	5,099.1	286.2	147.6	42.0	233.1	987.4	6,795.4
113	TSAGAAN-NUUR	KHUVSGUL	5,343.0	172.8	122.3	60.0	320.9	1,743.8	7,762.9	2,222.7	127.2	75.5	42.0	136.3	1,116.1	3,719.7
114	ERDENE-BULGAN	KHUVSGUL	6,572.9	280.8	237.9	60.0	167.7	1,110.1	8,429.5	3,099.6	206.7	146.8	42.0	161.3	805.4	4,461.7
115	KHANGAI	ARKHANGAI	9,556.2	302.4	242.4	60.0	285.6	2,115.6	12,562.1	4,633.0	222.6	149.5	42.0	289.1	1,578.0	6,914.2
117	TSAKHIR	ARKHANGAI	4,308.7	237.6	195.5	60.0	72.5	530.1	5,404.5	1,750.4	174.9	120.6	42.0	63.2	331.3	2,482.5
9111	CHULUUT	ARKHANGAI	7,396.0	324.0	224.5	60.0	314.7	2,108.2	10,427.5	3,481.2	238.5	138.5	42.0	284.7	1,526.6	5,711.6
118	SHILUUSTEI	ZAVKHAN	4,583.8	324.0	188.4	60.0	80.8	399.5	5,636.5	1,744.1	238.5	116.2	42.0	54.1	233.8	2,428.8
119	DURVULJIN	ZAVKHAN	5,275.7	324.0	214.3	60.0	114.8	794.3	6,782.9	1,834.6	238.5	132.2	42.0	112.2	424.9	2,784.4
120	YARUU	ZAVKHAN	5,216.4	324.0	181.7	60.0	85.6	462.0	6,329.7	479.8	238.5	112.1	42.0	14.6	65.4	952.4
121	ERDENEKHAIRKHAN	ZAVKHAN	8,121.3	216.0	187.5	60.0	110.8	577.1	9,272.7	2,006.7	159.0	115.7	42.0	45.8	219.4	2,588.5
122	ZAVKHANMANDAL	ZAVKHAN	4,770.2	324.0	141.5	60.0	87.7	685.2	6,068.7	2,084.6	238.5	87.3	42.0	55.6	460.7	2,968.7
123	URGAMAL	ZAVKHAN	5,480.9	216.0	162.5	60.0	85.7	719.7	6,724.8	675.0	159.0	100.2	42.0	31.6	136.4	1,144.2
124	SANTMARGATS	ZAVKHAN	7,867.9	324.0	188.4	60.0	140.7	1,118.1	9,699.1	2,045.7	238.5	116.2	42.0	124.3	447.3	3,013.9
125	TSETSEN-UUL	ZAVKHAN	10,303.7	324.0	166.5	60.0	476.1	3,438.4	14,768.6	3,851.0	238.5	102.7	42.0	398.1	1,977.1	6,609.4
126	IDER	ZAVKHAN	6,336.0	324.0	240.6	60.0	139.9	1,015.7	8,116.2	2,145.0	238.5	148.4	42.0	98.0	529.0	3,201.0
127	IKH-UUL	ZAVKHAN	8,586.0	432.0	394.6	60.0	142.6	1,251.0	10,866.2	2,456.4	318.0	243.5	42.0	188.7	550.6	3,799.1
128	TES	ZAVKHAN	10,057.8	540.0	342.8	60.0	295.2	1,566.4	12,862.3	1,949.2	397.5	211.5	42.0	375.1	467.0	3,442.4
129	TSAGAANCHULUUT	ZAVKHAN	5,023.0	216.0	168.3	60.0	94.6	889.5	6,451.4	1,797.6	159.0	103.8	42.0	102.0	489.7	2,694.1
130	TSAGAANKHAIRKHAN	ZAVKHAN	5,073.1	216.0	207.6	60.0	125.5	564.7	6,246.9	1,681.7	159.0	128.1	42.0	40.0	288.0	2,338.8
131	TELMEEN	ZAVKHAN	5,461.5	216.0	212.5	60.0	125.0	965.4	7,040.4	2,815.5	159.0	131.1	42.0	165.7	765.7	4,079.0
132	TUDEVTEI	ZAVKHAN	6,380.3	756.0	158.9	60.0	163.1	1,007.1	8,525.5	1,584.5	556.5	98.0	42.0	73.0	384.8	2,738.9
133	SONGINO	ZAVKHAN	6,482.8	216.0	220.1	60.0	140.2	1,127.5	8,246.6	2,528.3	159.0	135.8	42.0	125.3	676.5	3,666.9
134	OTGON	ZAVKHAN	8,860.2	324.0	192.4	60.0	378.9	3,557.9	13,373.5	1,900.5	238.5	118.7	42.0	247.1	1,174.1	3,721.0
135	NUMRUG	ZAVKHAN	6,397.3	280.8	196.0	60.0	160.5	1,327.9	8,422.6	1,289.4	206.7	120.9	42.0	102.5	411.8	2,173.2
136	ASGAT	ZAVKHAN	5,269.1	216.0	158.0	60.0	115.9	628.4	6,447.4	1,203.4	159.0	97.5	42.0	51.1	220.8	1,773.8
137	BAYANKHAIRKHAN	ZAVKHAN	4,646.1	216.0	165.2	60.0	100.1	649.4	5,836.8	1,812.0	159.0	101.9	42.0	69.2	389.7	2,573.7
138	TOSONTSENGEL	ZAVKHAN	37,064.2	2,160.0	893.2	60.0	918.2	5,559.9	46,655.5	21,362.5	1,590.0	551.1	42.0	688.5	4,930.0	29,164.2
9121	BAYANTES	ZAVKHAN	5,622.2	432.0	210.3	60.0	123.2	717.0	7,164.7	1,337.0	318.0	129.7	42.0	49.9	262.3	2,138.9
9122	ALDARKHAAN	ZAVKHAN	4,043.5	324.0	167.0	60.0	118.5	342.6	5,055.5	2,062.9	238.5	103.0	42.0	49.4	268.9	2,764.7
139	TESHIG	BULGAN	6,462.4	280.8	297.3	60.0	172.3	1,237.8	8,510.6	4,200.6	206.7	183.4	42.0	214.3	1,237.8	6,084.7
140	UNDURKHANGAI	UVS	14,983.4	432.0	316.9	60.0	560.4	5,756.7	22,109.5	1,623.2	318.0	195.5	42.0	199.9	959.4	3,338.1
141	TSAGAANKHAIRKHAN	UVS	15,438.5	259.2	236.6	60.0	484.3	4,398.0	20,876.5	4,460.0	190.8	146.0	42.0	492.2	1,954.7	7,285.6
142	ZUUNKHANGAI	UVS	7,866.3	324.0	291.1	60.0	187.6	1,119.0	9,847.9	3,133.8	238.5	179.6	42.0	25.1	685.8	4,304.8
143	KHYARGAS	UVS	8,107.6	367.2	212.5	60.0	281.8	2,332.7	11,361.8	4,395.1	270.3	131.1	42.0	399.6	1,945.5	7,183.6

**Table I.8.3-1 Total Demand Forecast (YEAR 2015)**

id	Sum Name	Aimag Name	Winter Monthly Consumption (kWh/month)							Summer Monthly Consumption (kWh/month)						
			Household	Hospital	School	Sum Office	Water Supply	Other	Total	Household	Hospital	School	Sum Office	Water Supply	Other	Total
144	BARUUNTURUUN	UVS	17,912.0	540.0	581.2	60.0	645.5	3,807.3	23,546.1	7,933.1	397.5	358.6	42.0	576.2	2,594.2	11,901.5
145	MALCHIN	UVS	11,002.4	388.8	406.2	60.0	403.5	3,315.4	15,576.2	5,163.6	286.2	250.6	42.0	471.1	2,393.8	8,607.3
146	ZUUNGIDI	UVS	4,788.5	324.0	212.5	60.0	120.8	808.0	6,313.8	3,112.5	238.5	131.1	42.0	167.3	808.0	4,499.4
147	BUKHMURUN	UVS	9,685.3	324.0	234.4	60.0	349.8	2,016.3	12,669.6	3,284.6	238.5	144.6	42.0	81.2	1,052.0	4,842.8
148	ZAVKHAN	UVS	4,517.1	43.2	199.1	60.0	111.3	700.2	5,631.0	1,712.7	31.8	122.8	42.0	96.5	408.5	2,414.3
149	TES	UVS	5,486.3	756.0	361.6	60.0	165.3	936.6	7,765.8	2,959.4	556.5	223.1	42.0	215.2	777.3	4,773.5
151	ZEREG	KHOVD	5,641.2	324.0	265.2	60.0	171.9	957.6	7,419.8	2,398.8	238.5	163.6	42.0	150.2	626.4	3,619.6
152	DARVI	KHOVD	7,072.9	324.0	307.6	60.0	128.9	1,182.4	9,075.8	3,643.2	238.5	189.8	42.0	181.6	937.0	5,232.1
153	ALTAI	KHOVD	12,263.6	280.8	258.9	60.0	413.4	3,518.0	16,794.7	3,353.4	206.7	159.7	42.0	376.4	1,480.0	5,618.2
154	UYENCH	KHOVD	14,556.6	432.0	380.8	60.0	379.0	2,533.0	18,341.4	6,672.0	318.0	234.9	42.0	423.2	1,786.2	9,476.3
155	BULGAN	KHOVD	24,733.5	972.0	841.5	60.0	724.4	4,730.1	32,061.4	14,008.8	715.5	519.1	42.0	1,249.7	4,121.6	20,656.8
156	TSETSEG	KHOVD	4,136.7	432.0	192.4	60.0	123.2	544.3	5,488.7	1,254.8	318.0	118.7	42.0	29.4	254.0	2,016.9
157	MUST	KHOVD	11,055.7	432.0	341.5	60.0	223.6	1,626.8	13,739.6	3,394.0	318.0	210.7	42.0	290.4	768.3	5,023.4
158	MUNKH-KHAIRKHAN	KHOVD	6,812.5	324.0	183.9	60.0	163.2	1,103.8	8,647.5	3,220.5	238.5	113.5	42.0	171.1	802.8	4,588.3
159	MANKHAN	KHOVD	8,720.0	324.0	333.5	60.0	248.6	1,295.1	10,981.1	5,038.2	238.5	205.7	42.0	314.5	1,151.2	6,990.2
160	CHANDMANI	KHOVD	7,518.8	280.8	222.3	60.0	136.1	1,084.1	9,302.1	3,338.0	206.7	137.1	42.0	132.9	740.5	4,597.2
163	DURGUN	KHOVD	7,194.0	237.6	208.0	60.0	296.7	1,720.6	9,716.9	2,156.2	174.9	128.3	42.0	150.5	793.4	3,445.3
9151	DUUT	KHOVD	4,489.0	324.0	128.6	60.0	99.3	575.0	5,675.9	1,750.7	238.5	79.3	42.0	88.8	345.0	2,544.3
164	TOLBO	BAYAN-ULGII	6,403.0	367.2	227.7	60.0	192.0	1,092.6	8,342.5	3,011.5	270.3	140.5	42.0	168.0	790.6	4,422.9
165	TSAGAANNUUR	BAYAN-ULGII	13,239.8	324.0	164.3	60.0	277.4	1,291.5	15,357.0	2,189.4	238.5	101.3	42.0	91.7	328.6	2,991.6
166	BULGAN	BAYAN-ULGII	7,357.6	756.0	312.5	60.0	263.9	1,204.3	9,954.3	1,659.2	556.5	192.8	42.0	110.4	417.8	2,978.7
167	DELUUN	BAYAN-ULGII	7,844.2	712.8	351.3	60.0	236.8	1,399.6	10,604.7	3,446.3	524.7	216.7	42.0	280.0	946.0	5,455.9
168	ALTAI	BAYAN-ULGII	8,401.9	410.4	230.3	60.0	303.7	1,967.7	11,374.1	3,444.0	302.1	142.1	42.0	287.3	1,240.9	5,458.4
169	BUYANT	BAYAN-ULGII	5,854.6	324.0	162.5	60.0	147.2	1,141.7	7,690.0	3,044.4	238.5	100.2	42.0	105.7	913.4	4,444.3
170	BAYAN-NUUR	BAYAN-ULGII	9,258.6	540.0	397.3	60.0	585.9	2,334.5	13,176.4	3,949.4	397.5	245.1	42.0	354.7	1,532.0	6,520.7
171	ALTANTSUGTS	BAYAN-ULGII	11,682.9	324.0	196.9	60.0	421.9	3,121.1	15,806.7	1,087.8	238.5	121.5	42.0	93.4	447.1	2,030.2
9161	NOGOON-NUUR	BAYAN-ULGII	9,831.1	432.0	423.2	60.0	339.0	1,801.4	12,886.8	5,298.4	318.0	261.1	42.0	357.1	1,493.6	7,770.3
Average			7,623.5	322.7	233.9	60.0	209.8	1,395.4	9,845.3	3,362.0	237.5	144.3	42.0	200.3	931.7	4,917.8