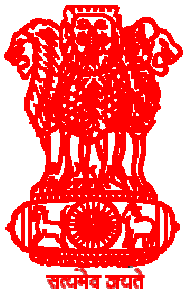


भारत सरकार Government of India
विद्युत मंत्रालय Ministry of Power
केंद्रीय विद्युत प्राधिकरण
Central Electricity Authority

उत्तर पूर्वी क्षेत्रीय विद्युत समिति
North Eastern Regional Power Committee

शिलोंग Shillong

Progress Report

For the month of

June, 2011

CONTENTS

NORTH EASTERN REGIONAL POWER COMMITTEE

Brief highlights of North Eastern Regional Power System for the month of June, 2011

- The maximum unrestricted demand during the month of June, 2011 was 1758 MW, which was 1725 MW in the month of May, 2011. The peak demand met in NER during the period under review was 1564 MW, which was 1547 MW last month.

- The energy requirement during the month of June, 2011 was 941.10 MU, which was 893.75 MU in the month of May, 2011. The energy availability in NER during the period under review was 850. 23 MU, which was 792.10 MU last month.

- The maximum, minimum & average system frequency were 50.60, 48.82 & 49.89 Hz respectively. The maximum, minimum & average FVI were 1.540, 0.160 & 0.554 respectively. The average FVI was less than its previous month's figure. (refer Annex-II).

- Maximum export of power from NER to ER was 318 MW (on 29/06/11 at 14:00 hrs) and that from ER to NER was 465 MW (21/06/11 at 24:00 hrs). Total net energy import during the month was 113.02 MU (from ER).

SALIENT FEATURES OF
NORTH EASTERN REGIONAL GRID FOR JUNE, 2011

1	New unit/ transmission lines/Transformers commissioned during this month		**Nil**	
2	Number of total grid disturbance during this month		**1 (One)**	
			Jun-11	**Jun-10**
3	**Installed Capacity** of the Region (in MW)(grid)		2054.12	2033.12
4	**Energy Generation in MU (Gross)::**			
	Thermal		204.600	340.620
	Hydel		390.649	372.581
	Diesel / Oil		0.000	0.000
	Total		595.249	713.201
5	**Demand in MW ::**			
	Registered Peak demand		1758.00	1720.00
	Peak demand met		1564.00	1451.00
	Shortage (% age)		-11.04	-15.64
6	**Regional Energy(Gross) in MU ::**			
	Energy requirement		941.10	797.21
	Energy availability		850.23	707.87
	Surplus (+) / Deficit (-) (% age)		-9.66	-11.21
7	**Inter Regional Energy Exchange in MU ::**			
	NER ----> ER		5.745	45.262
	ER ----> NER		118.747	70.933
	Net Import		113.002	-25.67
8	**Frequency profile ::**			
	Average frequency (Hz)		49.89	49.83
	Average Frequency Variation Index		0.554	0.750
9	Load Factor (in %)		67.17	57.16

ENERGY GENERATION IN THE REGION FOR THE MONTH OF Jun-11

All figures in MU

Constituents	Hydro		Coal / Oil fired		Gas Based(OpenCycle)		Gas Based(Com Cycle)		Total(gen)	Total(gen)
	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net
	A	B	C	D	E	F	G	H	I	J
State Sector :										
Assam	65.680	65.023	0.000	0.000	60.060	59.459	44.580	43.243	170.320	167.725
Meghalaya	45.150	44.699	0.000	0.000	0.000	0.000	0.000	0.000	45.150	44.699
Mizoram	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tripura	2.769	2.741	0.000	0.000	63.970	63.330	0.000	0.000	66.739	66.072
Nagaland	6.500	6.435	0.000	0.000	0.000	0.000	0.000	0.000	6.500	6.435
Total (State Sector)									**288.709**	**284.930**
Central Sector :										
NEEPCO :										
Khd+Kop+Kop-II	135.620	134.264	0.000	0.000	0.000	0.000	0.000	0.000	135.620	134.264
K'guri	0	0	0.000	0.000	0	0	151.660	147.110	151.660	147.110
RCNagar	0	0	0	0	52.940	52.411	0	0	52.940	52.411
Doyang	25.170	24.918	0	0	0	0	0	0	25.170	24.918
Ranganadi	101.150	100.139	0	0	0	0	0	0	101.150	100.139
NHPC :										
Loktak	8.610	8.524	0.000	0.000	0.000	0.000	0.000	0.000	8.610	8.524
Total (Central Sector)									475.150	467.365
Total NER	390.649	386.743	0.000	0.000	176.970	175.200	196.240	190.353	**763.859**	**752.296**

REQUIREMENT Vs AVAILABILITY IN THE REGION

STATES	ENERGY requirement (MU) at 50 Hz				POWER requirement (MW) at 50 Hz			
	Availability & L/S at prevailing freq.				*Availability & L/S at prevailing freq.*			
	Requirt.	Availy.	Shortfall	%Shortfall	Requirt.	Availy.**	Shortfall	%Shortfall
Ar.Pr.	45.45	41.72	3.73	8.20%	90	85	5	5.61%
Assam	532.57	504.72	27.85	5.23%	1010	984	26	2.54%
Manipur	41.61	37.99	3.62	8.69%	95	86	9	9.69%
M'laya	161.33	120.49	40.84	25.31%	280	238	42	14.96%
Mizoram	31.66	27.14	4.52	14.28%	74	54	20	27.46%
Nagaland	49.26	43.14	6.11	12.41%	100	79	21	20.94%
Tripura	79.23	75.02	4.21	5.31%	190	184	6	3.41%
REGION	941.10	850.23	90.87	9.66%	1758	1564	194	11.03%

ESTIMATION OF PEAK DEMAND (in MW)

Constituents	Peak Demand Met	Date	Freq. (Hz)	Freq. Corr.**	L/S	Estimated Peak demand at 50 Hz
Arunachal Pradesh	85.00	30/06/2011	49.98	0.05	5	90.05
Assam	984.00	16/06/2011	49.81	5.61	20	1009.61
Manipur	86.00	29/06/2011	49.91	0.23	9	95.23
Meghalaya	238.00	20/06/2011	49.60	2.86	39	279.86
Mizoram	54.00	05/06/2011	49.73	0.44	20	74.44
Nagaland	79.00	03/06/2011	50.03	-0.07	21	99.93
Tripura	184.00	10/06/2011	49.73	1.49	5	190.49
REGION	1564.00	16/06/2011	49.81	8.91	185	1757.91

** Freq.Correction = Demand met x 0.03 x (50 - Av. Freq.)

ESTIMATION OF ENERGY REQUIREMENT (in MU)

Average Frequency 49.89 Hz

Constituents	Generation	Energy drawal from grid			Over(+) / Under(-) Drawal	Energy Availability*	Freq. Corr.**	L / S	Actual Requirement
		Entitlement frm ISGS of NER	Entitlement frm ISGS of ER	Drawal					
Ar.Pr.	0.000	39.686	6.172	41.722	-4.137	41.722	0.138	3.59	45.450
Assam	167.725	238.565	63.795	336.996	34.635	504.721	1.666	26.18	532.567
Manipur	0.000	38.779	0.000	37.994	-0.784	37.994	0.125	3.49	41.610
M'laya	44.699	62.089	18.759	75.794	-5.054	120.492	0.398	40.44	161.330
Mizoram	0.000	24.948	3.684	27.135	-1.496	27.135	0.090	4.43	31.655
Nagaland	6.435	30.116	12.036	36.708	-5.444	43.143	0.142	5.97	49.255
Tripura	66.072	36.960	0.000	8.953	-28.007	75.024	0.248	3.96	79.232
REGION	284.930	471.143	104.447	565.302	-10.288	850.233	2.806	88.06	941.099

*Energy availability means energy consumed by constituents

** Freq.Correction = Demand met x 0.03 x (50 - Av.Freq.)

ENERGY GENERATED (MU) AND PEAK GENERATION (MW) FROM GENERATING STATIONS/UNITS:

Sl. No.	Power Sations / Units	Installed Capacity(MW)	Peak Generation(MW)	Energy Generation (MU)	
				Jun-11	Jun-10
	STATE SECTOR : HYDRO				
	ASSAM :: HYDRO				
1	KARBI HEP U - 1	50.00	50.00	34.250	24.760
2	KARBI HEP U - 2	50.00	50.00	31.430	23.350
	TOTAL	100.00		65.680	48.110
	MEGHALAYA :: HYDRO				
1	STAGE - 1	36.00	27.00	10.360	2.666
2	STAGE - 2	18.00	0.00	0.000	1.232
3	STAGE - 3	60.00	30.00	12.630	7.410
4	STAGE - 4	60.00	30.40	18.290	11.348
5	UMTRU	11.20	6.30	3.870	0.344
	TOTAL	185.20		45.150	22.999
	NAGALAND :: HYDRO				
6 7 8	LIKIMRO - 1 LIKIMRO - 2 LIKIMRO - 3	24.00	20.00	6.500	8.000
	TOTAL	24.00		6.500	8.000
	TRIPURA :: HYDRO				
9	GUMTI - 1	5.00	Gumti Stn. Peak =4 MW	0.000	0.171
10	GUMTI - 2	5.00		0.634	2.074
11	GUMTI - 3	5.00		2.135	1.307
	TOTAL	15.00		2.769	3.552
	TOTAL STATE (HYDRO) :	324.20		120.099	82.661

ENERGY GENERATED (MU) AND PEAK GENERATION (MW) FROM GENERATING STATIONS/UNITS:

Sl. No.	Power Sations / Units	Installed Capacity(MW)	Peak Generation(MW)	Energy Generation (MU)	
				Jun-11	Jun-10
	STATE SECTOR : THERMAL/GAS				
	MIZORAM ::Thermal				
1	Bairabi	22.92	0.00	0.000	0.000
	TRIPURA :: THERMAL				
1	BARAMURA - 1	5.00	Baramura Stn. Peak = 49.4 MW	0.000	0.000
2	BARAMURA - 2	5.00		0.000	0.000
3	BARAMURA - 3	6.50		0.000	0.000
4	BARAMURA - 4	21.00		14.840	14.457
5	BARAMURA - 5	21.00		14.980	0.000
6	ROKHIA - 1	8.00	Rokhia Stn. Peak = 49.9MW	0.000	0.000
7	ROKHIA - 2	8.00		0.000	0.000
8	ROKHIA - 3	8.00		0.000	4.140
9	ROKHIA - 4	8.00		4.480	4.092
10	ROKHIA - 5	8.00		0.000	0.000
11	ROKHIA - 6	8.00		0.000	0.000
12	ROKHIA - 7	21.00		14.510	14.437
13	ROKHIA - 8	21.00		15.160	14.758
	TOTAL	148.50		63.970	51.884
	ASSAM :: THERMAL				
1	LTPS - 1	15.00	LTPS Stn. Peak = 95.7 MW	7.120	4.190
2	LTPS - 2	15.00		6.940	8.860
3	LTPS - 3	15.00		9.240	8.930
4	LTPS - 4	15.00		6.820	7.800
5	LTPS - 5	20.00		6.330	10.730
6	LTPS - 6	20.00		10.420	7.104
7	LTPS - 7	20.00		8.230	12.230
8	NTPS - 1	20.00	NTPS Stn. Peak = 73.5 MW	12.580	10.060
9	NTPS - 2	21.00		11.510	10.820
10	NTPS - 3	21.00		7.930	8.910
11	NTPS - 4	11.00		6.840	6.080
12	NTPS - 5	22.00		0.000	4.900
13	NTPS - 6	22.00		5.720	5.540
14	DLF	24.50		4.960	5.340
	TOTAL	261.50		104.640	111.494
TOTAL STATE THERMAL/GAS :		432.92		168.610	163.378
TOTAL SC GEN(HY+TH/GAS)		**757.12**		**288.709**	**246.039**

ENERGY GENERATED (MU) AND PEAK GENERATION (MW) FROM GENERATING STATIONS/UNITS:

Sl. No.	Power Sations / Units	Installed Capacity(MW)	Peak Generation(MW)	Energy Generation (MU)	
				Jun-11	Jun-10
	CENTRAL SECTOR : HYDRO				
1	KHANDONG - 1	25.00	25.00	15.590	0.000
2	KHANDONG - 2	25.00	25.00	16.040	4.640
3	KOPILI Stg - II	25.00	25.00	15.440	6.220
4	KOPILI - 1	50.00	50.00	27.210	0.000
5	KOPILI - 2	50.00	50.00	10.660	5.320
6	KOPILI - 3	50.00	50.00	33.520	5.960
7	KOPILI - 4	50.00	50.00	17.160	9.030
8	DOYANG -1	25.00	Doyang Stn. Peak = 60.5 MW	7.910	6.990
9	DOYANG -2	25.00		9.690	7.430
10	DOYANG -3	25.00		7.570	8.090
11	LOKTAK - 1	35.00	Loktak Stn. Peak = 89 MW	0.510	15.260
12	LOKTAK - 2	35.00		3.700	11.870
13	LOKTAK - 3	35.00		4.400	21.160
14	RANGANADI - 1	135.00	Ranganadi Stn. Peak =405 MW	32.850	53.870
15	RANGANADI - 2	135.00		31.330	69.770
16	RANGANADI - 3	135.00		36.970	64.310
	TOTAL HYDRO :	**860.00**		**270.550**	**289.920**
	CENTRAL SECTOR : THERMAL/GAS				
1	KATHALGURI - 1	33.50	Kathalguri Stn. Peak = 254 MW	17.950	21.310
2	KATHALGURI - 2	33.50		16.250	21.210
3	KATHALGURI - 3	33.50		20.530	16.690
4	KATHALGURI - 4	33.50		18.420	15.140
5	KATHALGURI - 5	33.50		18.780	19.400
6	KATHALGURI - 6	33.50		20.180	0.000
7	KATHALGURI - 7	30.00		10.800	16.590
8	KATHALGURI - 8	30.00		13.650	5.510
9	KATHALGURI - 9	30.00		15.100	6.400
10	R.C.NAGAR - 1	21.00	RC Nagar Stn. Peak = 80 MW	14.000	14.094
11	R.C.NAGAR - 2	21.00		13.870	13.828
12	R.C.NAGAR - 3	21.00		11.500	13.267
13	R.C.NAGAR - 4	21.00		13.570	13.803
TOTAL THERMAL/GAS :		375.00		204.600	177.242
TOTAL CS (HY + TH/GAS) :		1235.000		475.150	467.162
TOTAL NER GEN(HY+TH/GAS) :		**1992.120**		**763.859**	**713.201**

Plant Load Factor (PLF) and Voltage Profile : Jun-11

PLANT LOAD FACTOR OF THE THERMAL/ GAS STATIONS IN NER

Sl. No.	Power Station	State/ Constituent	Installed Capacity (MW)	Generation (in MU)	Stationwise PLF (%)
1	LTPS*	AEGCL	120.00	55.100	63.77
2	NTPS*	AEGCL	117.00	44.580	52.92
3	Baramura	Tripura	58.50	29.820	70.80
4	Rokhia	Tripura	90.00	34.150	52.70
5	AGBPP	NEEPCO	291.00	151.660	**72.38**
6	AGTPP	NEEPCO	84.00	52.940	87.53

*LTPS-- Lakwa Thermal Power Station, NTPS-- Namrup Thermal Power Station

VOLTAGE PROFILE :

A. MAXIMUM AND MINIMUM VOLTAGE (kV) OF IMPORTANT SUB - STATIONS :

Sl. No.	NAME OF S/S	MAXIMUM (kV)	MINIMUM (kV)
1	BALIPARA 400 kV	426	389
2	MISA 400 kV	426	395
3	MISA 220 kV	232	210
4	SALAKATI 220 kV	237	210
5	HAFLONG 132 kV	138	122
6	AIZAWL 132kV	137	112
7	KUMARGHAT 132kV	136	126

Voltage Range in kV as percentage of time for the block

SUB-STATION	kV < 360	360<kV<380	380<kV<420	kV>420
MISA	0.21	0.06	96.23	3.50
BALIPARA	0.20	4.19	95.42	0.19

1 **INTER - REGIONAL EXCHANGE :**

All Fig in MU

NER to ER	5.745
ER to NER	118.747
NET IMPORT	113.002

2	**Major Grid Disturbances during this month**	**1. Category GD-V; occurred on 22.06.11 at 17:14 Hrs**

3	**MEETING HELD BY NERPC DURING THIS MONTH**	1. 62nd OCC Meeting was held on 09.06.11 at NEEPCO Bhawan, Guwahati.

PROGRESS OF GENERATION PROJECTS IN NER

Name of the Generation Scheme	No. of Units	Capacity (MW)	Commissioning Schedule	REMARKS
[A] NEEPCO				
1. Monarchak TGBPP		104	2013	Activities in progress
2. Tuirial HEP Mizoram	2	2 X 30	WORKS HELD-UP	Being reviewed by PIB
3. Kameng HEP A. Pradesh	4	4X150	2014	Activities in progress
4. Tuival H.E. Proj. Mizoram	3	3X70	2015	Status not available
5. Tipaimukh HEP		1500	2015	Activities in progress
6. Mawphu HEP	2	90	2015	UNDER CCEA
7. Pare HEP, Ar. Pradesh		110	2015	UNDER CCEA
[B] NHPC				
a). Loktak Downstream HEP	2	66	2014	Activities in progress
b) Subansiri Lower HEP		2000	2013	Activities in progress
c) Siang Middle HEP		2000	2016	Activities in progress
d) Subansiri Upper HEP		2000	DPR Under prep	
e) Subansiri Middle HEP		1000	DPR Under prep	
f) Dibang Multipurpose Project		3000	Under TEC	
[C] NTPC				
a). Bongaigaon TPS	3	3X250	2012	Activities in progress
[D] JV PROJECT				
a). Palatana CCPP	2	2X323.3	2012	Activities in progress
[E] ASSAM				
(a) Lakwa WHRP		37.2	2012	Activities in progress
(b) Namrup CCPP	2	2X40	2014	
[F] MIZORAM				
(a) Tuivai Hydel Project	2	51	2015	Activities in progress
(b) Bairabi Dam Project	2	2 X 40	2015	Activities in progress
(G) MeECL				
(a) Myntdu - Leishka HEP	2	3x42	2011	Activities in progress
(b) New Umtru HEP	2	2X20	2013	Activities in progress

PROGRESS OF TRANSMISSION LINES IN NE REGION

	Name of the line	Length (ckt kms	Commi'ng Sch Ann.pl	Commi'ng Sch Ant/revd	Total no. of locs .	Stubs com - pleted(nos)	Tower Erected	Stringing complt-ckm	Remarks
	A : Lines under ASEB.								
2	132 kV, S/C Rangia - Sipajhar - Rowta- Depota	147							Work in progress
3	132 kV, S/C Sarusajai - Kahilipara	8							Work in progress
5	132 kV Nazira- Garmur (Mariani) S/C	63							Tender is in progress
6	220 kV Kathalguri - Tinsukia 2nd Ckt	50	2006-07						Work in progress
	D : Lines under Meghalaya :								
1	132 kV Agia - Nangalbibra	110		2012					Work in progress
	E : Lines under Mizoram :								
1	132 kV Khawzawl-E Lungdar S/C	48			100	100	76	0	Work in progress
2	132 kV Khawzawl-Ngopa S/C	57			117	117	117	57	Work in progress
3	132 kV Kolasib-Tuirial S/C	41			114	114	114	41(Conductor)	Work in progress
4	Kolasib-Sairul B D/C	25							Work in progress
5	132 kV Kolasib-Melriat S/C	90			369	Nil	Nil	Nil	Work in progress
6	132 kV Bairabi-Bawktlang S/C	30			93	91	85	14	Work in progress
7	132 kV Khawzawl-Champhai S/C	30			90	Nil	Nil	Nil	Work in progress
	G : CTU Lines:								
1	+/- 800kv HVDC Bipole Biswanath Chariyali - Agra	1971	Aug-13	Aug-13	4228	1836	613		Award for converter Stn. is in prog
2	400kV Balipara - Biswanath Chariyali D/C	130	Aug-13	Aug-13	167	128	90	29	Matching with L. Subansiri
3	LILO of 400 kv Ranganadhi Balipara D/C at Biswanat	54	Aug-13	Aug-13	68	39	21		Matching with Gen. of L.Subansiri
4	132 kV D/C B. Chariyali-B. Chariyali (AEGCL)	32	Aug-13	Aug-13	55	21	2		
5	400 kV Kameng-Balipara D/C	110	Feb-13	Feb-13	142	30			Matching with Gen. of Kameng
6	400kV Balipara- Bongaigaon D/C line	596	Feb-13	Feb-13	838	681	456	102	Matching with Gen. of Kameng
7	400kV Lower Subansari-Biswanath Charrali line-I	334	Feb-13	Feb-13	444	272	159	22	Matching with Gen. Project
8	400kV Lower Subansari-Biswanath Charrali Line-II	340	Feb-13	Feb-13	442	269	144	20	Matching with Gen. Project
9	132 kV Kopili- Khandong-II	12	Sep-09	2011	43	37	24	8	Forest clearance awaited
10	400 kV D/C Bongaigaon TPS-Bongaigaon line	6	Dec-11						
11	400kV D/C Pallatana- Surajmani –nagar line	70	Dec-11		87	6			Copmpl. of Suraj-maninagar by TSECL
12	400kV D/C Silchar-Purba Kanchan Bari line	244	Mar-12		325	28			ROW problem
13	400kV D/C Silchar-Melriat(New) line	280	Dec-12		400	65	14		1st Stg Forest clearance awaited
14	400kV D/C Silchar-Imphal(New) line	280	Dec-12						Likely to be delayed
15	220kV D/C Mariani(New)-Mokikchung(PG)	112	Dec-12						Efforts to be made to match U#2 of Palatana GBPP
16	132kV Silchar-Badarpur(PG) SW Interconnecting line	42	Nov-11		72	38	13		To match with U#1 of Palatana
17	132kV D/C Melriat(New)- Melriat (Mizo) Interconnecti	60	Dec-12						Compl. Matching readiness of Melriat S/s by Mizoram
18	132kV D/C Silchar-Srikona (AEGCL) line	6	Dec-11						Engg. In progress
19	132kV D/C Silchar-Hailakandi (AEGCL) line	50	Dec-11						Completion matching with S/S
20	132kV D/C Mokikchung(PG)- Mokikchung(Naga) line	2	Dec-12						Efforts to be made to match U#2 of Palatana GBPP
21	132 kV S/C Pasighat-Roing line (on D/C)	70	Dec-12						Completion matching with S/S.
22	132 kV S/C Roing-Tezu line (on D/C)	60	Dec-12						Engg. in progress
23	132 kV S/C Tezu-Namsai line (on D/C)	90	Dec-12						Completion matching with S/S.
24	LILO of 400kV S/C Kathalguri -Misa line at Mariani(N	2	Dec-12						
25	LILO of 132 kV S/C Loktak-Imphal line at Imphal (Nev	60	Dec-12						

Name of the line	Length	Commi'ng Sch		Total no.	Stubs com -	Tower	Stringing	Remarks
	(ckt kms)	Ann.pl	Ant/revd	of locs .	pleted(nos.)	Erected	complt-ckm	
H : Lines under Arunachal Pradesh								
i) Transmission Lines Plan works completed & on going								
1. 132 kV Nirjuli - Itanagar S/C (Under NLCPR		2007-12				Completed	in progress	Work is in progress
2. 132 kV Along - Pasighat (Under NLCPR)		2007-12						Work is in progress
3. 132 kV Ranganadi - Itanagar S/C		2007-12						Work is in progress
ii) Proposed for XIth Five Years Plan (State)								
1. 132 kV Khupi - Seppa		2007-12						Work is in progress
2. 132 kV Line LILO at Bhalukpong		2007-12						Work is in progress
3. 132 kV Nirjuli - Banderdewa		2007-12						Work is in progress
4. 132 kV Along - Yingkiong		2007-12						Work is in progress
5. 132 kV Naharlagun - Seppa		2007-12						Work is in progress
6. 132 kV Roing - Anini		2007-12						Work is in progress
7. 132 kV Along - Reying		2007-12						Work is in progress
8. 132 kV Tezu - Roing		2007-12						Work is in progress
9. 132 kV Namsai - Tezu		2007-12						Work is in progress
10. 132 kV Ziro - Sangram		2007-12						Work is in progress
iii) Proposed for XIth Five Years Plan (N								
1. 132 kV Pasighat - Roing		2007-12						Work is in progress
2. 132 kV Likabali - Gerukamukh		2007-12						Work is in progress
3. 132 kV Pasighat - Niglok		2007-12						Work is in progress
4. 132 kV Deomali - Khonsa		2007-12						Work is in progress
5. 132 kV Khupi - Banderdawa		2007-12						Work is in progress
6. 132 kV Banderdawa - Tawang		2007-12						Work is in progress
7. 132 kV Khonsa - Changlang		2007-12						Work is in progress
8. 132 kV Changlang - Jairampur		2007-12						Work is in progress
9. 132 kV Jairampur - Miao		2007-12						Work is in progress
10 132 kV Itanagar - Seijusa		2007-12						Work is in progress
11. 132 kV Seijusa - Balipara		2007-12						Work is in progress
iv) Proposed for XIth Five Years Plan (NEC)								
1. 132 kV Niglok - Likabali		2007-12						Work is in progress
2. 132 kV Itanagar - Gohpur		2007-12						Work is in progress

UI Receivable/ Payable for the month of Jun-11

Organisation	Actual (MU)	Schedule (MU)	UI Energy (MU)	UI Receivable (Rs. in Lakhs)	UI Payable (Rs. in Lakhs)
Arunachal Pradesh	41.722	47.102	-5.380	167.863	23.371
ASEB	336.996	309.841	27.155	91.707	762.264
Manipur	37.994	44.357	-6.362	129.404	13.723
MeSEB	75.794	77.458	-1.664	164.451	27.411
Mizoram	27.135	28.388	-1.252	49.051	13.728
Nagaland	36.708	41.097	-4.390	101.597	22.436
Tripura	8.953	13.402	-4.449	114.329	35.957

Entitlement, Schedule, Drawal and UI Charges Jun-11

	Entitlement from CGSs (MU)	Drawal Schedule from CGSs (MU)	Net Schedule from Grid (MU)	Actual Drawal from Grid (MU)	Over Drawal (+) / Under Drawal (-) (MU)	UI Payable (-)/ Receivable (+) (Rs. In Cr)
Arunachal Pradesh	39.686	39.748	47.102	41.722	-5.380	1.445
ASEB	238.565	238.207	309.841	336.996	27.155	-6.706
Manipur	38.779	39.033	44.357	37.994	-6.362	1.157
MeSEB	62.089	62.073	77.458	75.794	-1.664	1.370
Mizoram	24.948	24.893	28.388	27.135	-1.252	0.353
Nagaland	30.116	30.056	41.097	36.708	-4.390	0.792
Tripura	36.960	37.132	13.402	8.953	-4.449	0.784

(Source : UI A/c, NERPC)

Schedule for ISGS's Generation and State's Drawl for the month of Jun-11

States	Schedule From ISGS(MWH)	Bilateral Schedule from Outside NER (MWH)	Total Schedule (MWH)	Ex.PP. Drawal (MWH)	Tr. Energy (MWH)
Arunachal Pradesh	39680.20	6384.95	46065.15	43138.08	46065.15
ASEB	238508.92	66002.55	304511.47	348434.03	348434.03
Manipur	38770.01		38770.01	39283.99	39283.99
MeSEB	62076.20	19408.73	81484.93	78366.53	81484.93
Mizoram	24942.05		24942.05	28056.47	28056.47
Nagaland	30110.38	12450.33	42560.71	37953.84	42560.71
Tripura	36950.19		36950.19	9256.54	36950.19
Total	471037.96	104246.55	575284.51	584489.47	622835.45

ISGS	Schedule (MWH)	Injection (MWH)
LOKTAK	7031.02	7043.96
KHANDONG	31447.00	31827.31
KOPILI-I	88064.80	88834.18
KOPILI-II	14859.90	15074.04
DHEP	23645.73	23771.51
RHEP	104023.27	103977.17
AGTPP	51869.92	51976.77
AGBPP	150096.33	148982.84
Total	471037.96	471487.79

Source : Provisional REA for the month: Jun-11

Cumulative wt. Average Share Allocation (%) (Up to this month) in CS Stations

States	KOPILI (200 MW)	KOPILI-II (25 MW)	KHANDONG (50 MW)	RHEP (405 MW)	DHEP (75 MW)	AGBPP (291 MW)	AGTPP (84 MW)	Loktak HEP (90 MW)
Arunachal Pradesh	5.191	5.992	4.194	18.462	6.852	5.694	6.132	4.940
Assam	53.455	52.355	56.285	43.328	43.808	56.503	45.585	29.445
Manipur	7.395	6.945	6.555	8.373	7.865	8.105	8.313	30.115
Meghalaya	17.395	13.675	16.905	11.505	11.455	11.815	11.813	12.393
Mizoram	4.610	6.040	3.940	5.700	5.250	5.410	5.980	5.020
Nagaland	6.147	5.735	6.653	5.335	17.967	5.805	5.377	6.435
Tripura	5.807	9.258	5.468	7.297	6.803	6.668	16.800	11.652
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Details of Fixed and Energy Charges of CS Stations for FY 2009-10

Projects	Installed Capacity (MW)	Design Energy (GWh)	Annual Fixed Charge (Rs. Crore)	Reference
KOPILI HEP	200	1186.14*	57.6738 *	*As per CERC order dated 19.02.08 in petition No 76/2007.
KOPILI -II	25	86.3*	12.9511 **	* Provisional, ** As per CERC order dated 01.01.08 in pet. No 70/2006
KHANDONG HEP	50	277.61*	19.6328 *	*As per CERC order dated 14.01.08 in petition No 26/2007.
RHEP*	405	1509.69	290.7301	*As per CERC order dated 10.05.2011 in petition No.296/2009.
DHEP	75	227.24	58.5 *	*As per CERC order dated 03.10.07 in petition No 88/2007.
AGBPP	291	NA	233.59 *	*As per CERC order dated 22.02.08 in Pet.No150/ /2005, ^ Base Rate of energy Charge as per CERC Order
AGTPP	84	NA	67.9814 *	*As per CERC order dated 11.03.11 in Pet.No 299/2009,^Base Engy. charge as per CERC order
LOKTAK HEP	105	448.00	50.0353 *	*As per CERC order dated 05.09.07 in Pet.No 171/2004

HOURLY DATA ON PEAK DEMAND MET DAY

DATE:- 16.06.2011

All figures in MW

HRS.	Total ISGS Injection (MW)	STATE SECTOR													ER	Total N.E.R GEN	Total Demand Met	Gross Demand met	Actual Loss	Total Drawal by States
		ASEB			MeSEB			Tripura			Manipur	Mizoram	Nagaland	ArPr						
		GEN	Drawal	Demand Met	GEN	Demand Met	Drawal	GEN	Demand Met	Drawal	DM	DM	DM	DM	IMPORT(+)/ EXPORT(-)					
1	502.94	223	560.34	782.9	50	172.6	122.22	91	98.4	7.45	23.62	22.29	42.01	52.88	347.20	866.80	1194.68	1214.04	19.4	483.58
2	502.13	218	581.80	799.4	50	174.3	123.95	93	95.9	3.34	19.49	20.98	42.21	50.98	364.07	862.70	1203.30	1226.81	23.5	478.63
3	502.57	205	579.10	784.4	56	170.6	114.48	93	92.8	0.31	9.28	19.71	40.16	49.89	328.71	856.49	1166.86	1185.25	18.4	484.18
4	502.50	230	566.78	796.9	33	156.6	123.39	92	88.4	-4.11	15.60	20.39	42.03	51.80	326.98	858.39	1171.76	1185.41	13.7	488.85
5	499.15	232	465.74	697.7	33	165.1	132.01	92	80.8	-11.54	23.34	23.96	43.01	54.46	249.24	856.58	1088.43	1105.87	17.4	481.70
6	620.27	230	444.77	674.7	33	140.8	107.71	92	70.8	-21.54	30.52	34.08	56.77	58.93	119.51	975.60	1066.57	1095.15	28.6	591.69
7	620.81	228	448.61	676.5	57	202.3	145.51	93	71.6	-20.99	52.91	43.27	56.70	58.20	189.11	998.04	1161.44	1187.19	25.8	595.06
8	609.29	231	464.65	695.9	57	179.7	122.76	92	75.0	-17.40	56.18	40.90	52.53	56.03	178.20	989.85	1156.22	1168.09	11.9	597.41
9	604.87	222	458.26	680.3	57	155.8	98.86	92	80.2	-12.10	56.24	33.24	44.62	58.05	157.07	976.05	1108.36	1133.17	24.8	580.06
10	497.32	237	448.09	685.4	52	151.2	99.23	92	85.7	-6.57	55.53	33.39	26.95	56.69	228.68	878.86	1094.85	1107.58	12.7	484.59
11	496.49	243	481.02	723.6	52	140.7	88.75	91	75.3	-15.96	50.01	31.22	39.59	57.01	249.55	882.20	1117.36	1131.80	14.4	482.05
12	490.30	244	461.43	705.8	49	118.3	69.77	91	73.0	-18.12	57.86	31.77	47.23	62.19	245.30	874.40	1096.22	1119.75	23.5	466.77
13	488.49	248	444.62	692.1	55	137.7	83.12	91	76.1	-14.98	57.69	32.86	48.08	56.95	240.49	881.67	1101.52	1122.20	20.7	467.80
14	595.84	248	499.49	747.8	64	136.9	73.26	92	81.4	-10.27	57.79	34.23	51.31	59.98	196.68	999.44	1169.39	1196.17	26.8	569.06
15	587.50	273	518.36	791.3	59	148.8	89.98	92	85.7	-5.93	59.93	40.41	50.29	57.19	260.88	1010.94	1233.66	1271.87	38.2	549.28
16	699.94	271	467.54	739.0	55	152.3	97.71	91	85.3	-6.14	62.06	49.38	55.45	50.07	108.19	1117.43	1193.54	1225.66	32.1	667.82
17	772.35	241	487.42	728.0	55	154.7	100.08	92	98.7	7.20	64.61	51.71	56.07	57.56	85.16	1159.09	1211.39	1244.34	33.0	739.39
18	896.64	241	515.57	757.1	59	152.1	93.16	92	116.7	24.96	63.32	52.85	67.40	73.74	30.55	1288.72	1283.06	1319.36	36.3	860.34
19	887.18	241	651.57	892.2	57	159.3	102.20	92	142.6	50.73	71.21	54.92	74.44	83.28	245.50	1276.79	1477.96	1522.38	44.4	842.76
20	955.37	232	653.99	885.7	81	192.6	111.76	92	131.5	39.48	74.37	52.49	73.10	81.34	182.21	1360.01	1491.16	1542.31	51.2	904.22
21	967.48	237	676.23	913.3	86	177.3	90.89	92	135.7	43.58	60.07	50.89	68.67	79.57	139.53	1383.01	1485.45	1522.64	37.2	930.29
22	969.58	236	622.27	857.9	81	172.9	92.26	92	143.6	51.46	75.99	41.52	24.08	69.80	50.66	1377.98	1385.78	1428.74	43.0	926.62
23	931.37	242	572.87	814.8	81	157.6	76.65	92	133.2	40.90	72.47	31.54	27.37	56.74	-32.90	1346.53	1293.70	1313.68	20.0	911.39
24	645.38	247	539.31	786.3	81	151.3	70.42	92	115.3	23.04	59.60	24.32	27.56	52.33	170.51	1065.53	1216.73	1236.08	19.3	626.04
Max	969.58	273	676.23	913.25	86	202.3	145.51	93	143.6	51.46	75.99	54.92	74.44	83.28	364.07	1383.01	1491.16	1542.31	51.2	930.29
Min	488.49	205	444.62	674.74	33	118.3	69.77	91	70.8	-21.54	9.28	19.71	24.08	49.89	-32.90	856.49	1066.57	1095.15	11.9	466.77

HOURLY DATA ON MINIMUM DEMAND MET DAY

DATE: 18.06.2011

All figures in MW

HRS.	Total ISGS Injection (MW)	STATE SECTOR													ER	Total N.E.R GEN	Total Demand Met	Gross Demand met = Sum of demand met of all the states+loss	Actual Loss	Total Drawal by States
		ASEB			MeSEB			Tripura			Manipur	Mizoram	Nagaland	ArPr						
		GEN	Demand Met	Drawal	GEN	Demand Met	Drawal	GEN	drawal	Demand Met	DM	DM	DM	DM	IMPORT(+)/ EXPORT(-)					
1	673.31	235	819.6	584.93	81	178.2	97.18	92	4.88	97.13	26.51	24.78	43.78	53.51	188.81	1081.3	1243.5	1270.11	26.6	646.71
2	675.82	219	756.8	538.32	81	186.1	104.97	93	2.63	95.26	21.14	24.61	41.47	54.72	133.75	1068.1	1180.1	1201.86	21.8	654.06
3	675.48	224	762.5	538.16	63	162.5	99.34	92	-1.06	91.39	21.78	24.28	41.79	58.35	123.54	1055.4	1162.6	1178.96	16.4	659.07
4	673.16	223	742.4	519.53	54	149.8	95.63	92	-3.48	88.88	21.37	24.42	41.06	56.91	107.41	1042.5	1124.8	1149.99	25.2	647.99
5	675.46	223	691.8	468.51	54	161.4	107.37	92	-14.11	78.18	29.47	27.50	50.36	58.14	76.20	1045.1	1096.9	1121.37	24.5	650.99
6	782.12	219	645.5	426.45	54	161.6	107.37	92	-22.75	69.74	47.99	37.47	54.14	57.59	-29.86	1147.9	1074.0	1099.07	25.1	757.05
7	673.51	219	627.1	407.77	54	185.8	131.56	93	-26.25	66.42	56.18	44.47	57.24	58.06	78.52	1039.7	1095.2	1118.29	23.0	650.47
8	673.58	219	662.2	442.88	54	190.1	136.10	93	-17.89	74.63	51.26	45.88	50.58	58.96	120.90	1039.4	1133.6	1160.34	26.8	646.82
9	671.75	219	679.6	460.32	54	164.8	110.74	91	-12.33	78.46	51.81	37.45	45.10	56.73	96.99	1035.9	1114.0	1132.96	19.0	652.78
10	663.64	219	720.6	501.25	54	161.9	108.04	91	-9.04	81.77	53.64	33.61	44.41	59.38	147.23	1027.6	1155.2	1174.86	19.7	643.99
11	667.98	219	742.5	523.19	46	155.2	109.04	91	-10.39	80.21	55.02	30.72	34.57	52.61	152.46	1024.0	1150.8	1176.51	25.7	642.23
12	663.66	219	743.1	523.80	46	147.8	101.78	91	-16.59	74.14	61.15	30.27	41.65	62.16	162.71	1019.7	1160.3	1182.47	22.2	641.48
13	664.11	219	710.4	491.13	48	140.3	92.42	90	-19.41	71.04	60.26	30.24	44.88	59.25	117.57	1021.7	1116.4	1139.34	23.0	641.15
14	650.29	219	720.8	501.48	48	149.3	101.36	91	-12.12	78.67	51.39	32.47	50.84	56.16	147.78	1008.3	1139.6	1156.14	16.5	633.75
15	665.97	219	735.5	516.21	26	138.9	112.86	91	-14.86	75.86	57.41	39.48	52.62	49.34	179.64	1002.0	1149.1	1181.71	32.6	633.38
16	709.25	219	723.8	504.53	26	153.2	127.27	91	-12.46	78.19	60.13	46.86	58.79	53.86	135.68	1045.2	1174.9	1180.89	6.0	703.25
17	882.93	219	701.2	481.86	24	161.9	137.83	92	-1.19	90.43	57.50	48.34	56.56	63.55	-0.64	1218.0	1179.5	1217.41	37.9	845.02
18	912.23	219	698.2	478.91	28	123.8	95.83	92	16.93	108.80	63.20	50.21	59.08	65.00	-41.30	1251.4	1168.3	1210.19	41.9	870.37
19	812.67	219	854.3	634.97	63	158.0	94.81	92	22.92	114.60	35.57	18.71	74.16	82.86	186.99	1186.8	1338.1	1373.91	35.8	776.91
20	854.86	219	847.3	628.04	63	157.2	93.96	86	16.26	102.71	41.73	23.96	68.70	80.98	129.05	1223.9	1322.6	1353.00	30.4	824.50
21	876.31	219	906.4	687.11	72	161.1	89.49	92	20.72	112.85	54.39	23.01	66.28	81.28	177.97	1259.3	1405.3	1437.41	32.1	844.23
22	877.62	219	797.9	578.63	72	152.1	80.56	92	30.07	122.47	53.56	21.63	61.92	74.18	55.12	1260.9	1283.8	1316.11	32.3	845.33
23	866.40	219	816.2	596.88	81	169.6	88.89	92	33.12	125.41	53.60	17.60	51.86	57.66	61.85	1258.7	1291.9	1320.59	28.7	837.71
24	654.79	219	770.4	551.07	72	194.2	122.56	93	22.25	114.76	55.11	13.90	42.49	47.56	226.80	1038.3	1238.4	1265.12	26.7	628.10
Max	912.23	235	906.4	687.11	81	194.2	137.83	93	33.12	125.41	63.20	50.21	74.16	82.86	226.80	1260.9	1405.3	1437.41	41.9	870.37
Min	650.29	219	627.1	407.77	24	123.8	80.56	86	-26.25	66.42	21.14	13.90	34.57	47.56	-41.30	1002.0	1074.0	1099.07	6.0	628.10

ANNEXURES
&
EXHIBITS

Annexure-I

RESERVOIR PARTICULARS OF THE MONTH : **Jun-11**

Name of the Reservoirs	FRL	MDDL	Beginning of the month		End of the month	
			Level	Energy content(MU)	Level	Energy content(MU)
KHANDONG	719.3 M	704 M	718.00	21.90	719.90	27.00
KOPILI	609.5 M	592.83 M	601.93	43.50	608.53	94.00
LOKTAK	768.5 M	766.2 M	767.09	34.75	768.61	250.00
BARAPANI	3220 Ft	3150 Ft	3167.57	7.40	3196.82	27.00
GUMTI	93.55 M	83.6 M	84.95	2.60	86.00	4.08
DOYANG	333 M	306 M	308.80	4.00	313.30	10.50

Annexure-II

FREQUENCY ANALYSIS FOR THE MONTH OF : **Jun-11**

Frequency	(Freq.in Hz)	(Time: H:M)	(Date:D.M.Y)
1. Maximum frequency	50.60	6:03	10.06.11
2. Minimum frequency	48.82	20:21	21.06.11
3. Monthly average	49.89		

Frequency in Hz as %age of time for the blocks :

f < 49.5	49.5 < f < 50.2	f >50.2
4.54	91.16	4.30

Daily Frequency Variation Index :

DATE	FVI	DATE	FVI
01-Jun-11	0.220	17-Jun-11	0.230
02-Jun-11	0.510	18-Jun-11	0.270
03-Jun-11	0.460	19-Jun-11	0.200
04-Jun-11	0.540	20-Jun-11	**0.160**
05-Jun-11	0.470	21-Jun-11	1.400
06-Jun-11	**1.540**	22-Jun-11	1.320
07-Jun-11	1.200	23-Jun-11	1.060
08-Jun-11	0.440	24-Jun-11	0.880
09-Jun-11	0.280	25-Jun-11	0.350
10-Jun-11	0.390	26-Jun-11	0.270
11-Jun-11	0.530	27-Jun-11	0.290
12-Jun-11	0.340	28-Jun-11	0.180
13-Jun-11	1.200	29-Jun-11	0.210
14-Jun-11	0.710	30-Jun-11	0.420
15-Jun-11	0.260		
16-Jun-11	0.290	**Average FVI**	**0.554**

Annexure-III

Details of Scheduled Bilateral Exchanges within the Region in **Jun-11**

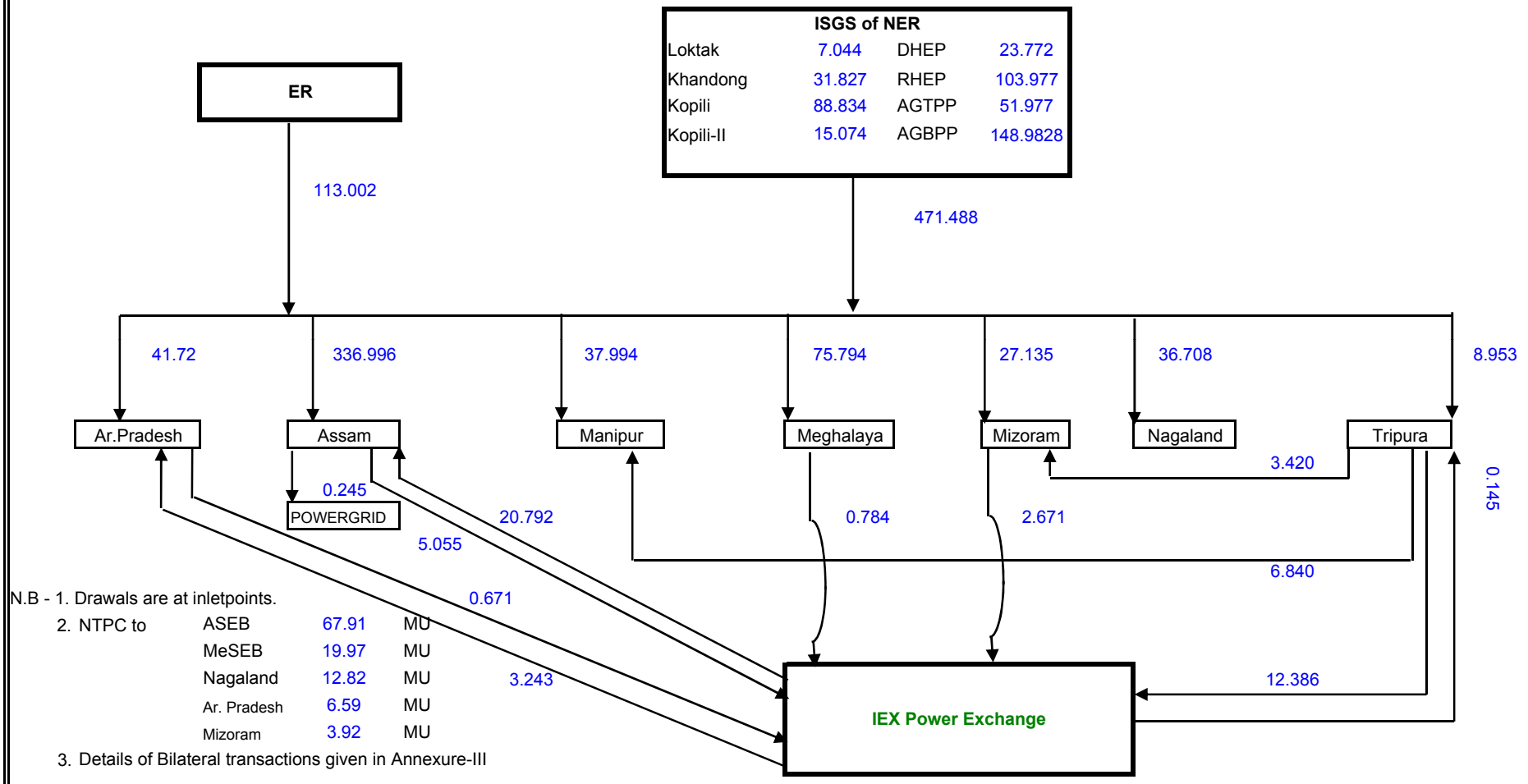
Sl.No.	From	To	Energy (At Seller Injn. Point) (MWH)		Energy (At State Periphery) (MWH)
1	Tripura(Baramura-IV)	Manipur	3420.000000		3306.342000
2	Tripura(Baramura-IV)	Mizoram	3420.000000		3306.342000
3	Tripura(Baramura-V)	Manipur	3420.000000		3306.342000
4	ASEB	POWERGRID^	244.927150	^ The actual energy consumed by POWERGRID	

Scheduled Bilateral Exchange with SEBs / Organisations in other Regions

Sl.No.	From	To	Energy (At Seller Periphery) (MWH)	Energy (At NER-ER Periphery) (MWH)	Energy (At Buyer Periphery) (MWH)
1	AP	CESC (IEXL)	80.000000		77.210000
2	MeECL	BRPL (NVVN)	5400.000000	5220.540000	
3	BRPL	MeECL (NVVN)	5400.000000	5033.520000	4866.720000
4	Farakka*	Ar. Pradesh	3448.196625	3346.450000	3235.738100
5	Kahalgaon 1*	Ar. Pradesh	1449.543000	1406.300000	1359.355150
6	Talcher*	Ar. Pradesh	1687.387625	1632.200000	1577.342025
7	Farakka*	Assam	25783.538825	25063.800000	24234.681900
8	Kahalgaon 1*	Assam	7238.599125	7038.825000	6803.832050
9	Kahalgaon 2*	Assam	25441.616750	24714.275000	23879.974225
10	Talcher*	Assam	9449.453000	9185.650000	8876.964825
11	Farakka*	MeECL	6234.208500	6060.050000	5859.575300
12	Kahalgaon 1*	MeECL	2637.716500	2561.675000	2476.174325
13	Kahalgaon 2*	MeECL	8044.780000	7817.225000	7553.333200
14	Talcher*	MeECL	3054.154000	2969.775000	2869.989775
15	Farakka*	Nagaland	6694.557175	6505.850000	6290.640750
16	Kahalgaon 1*	Nagaland	2834.245500	2748.500000	2656.737750
17	Talcher*	Nagaland	3288.668625	3195.975000	3088.580875
18	Farakka*	Mizoram	2059.079725	2005.500000	1939.144925
19	Kahalgaon 1*	Mizoram	853.639750	825.400000	797.846575
20	Talcher*	Mizoram	1006.194625	979.675000	946.752550
	Bilateral exchange through IEX Power Exchange (-ve means injection, +ve means drawal)				
21	Arunachal Pradesh		-670.510000	-649.000000	
22	Arunachal Pradesh			3356.600000	3243.250000
23	Assam		-5054.510000	-4890.000000	
24	Assam			21510.000000	20792.210000
25	MeECL		-783.740000	-758.190000	
26	Mizoram		-2671.350000	-2583.000000	
27	Tripura		-12385.590000	-11977.000000	
28	Tripura			150.000000	145.000000

Annexure-IV

ENERGY EXCHANGE(in MU) IN NER DURING June, 2011



N.B - 1. Drawals are at inletpoints.

2. NTPC to

ASEB	67.91	MU
MeSEB	19.97	MU
Nagaland	12.82	MU
Ar. Pradesh	6.59	MU
Mizoram	3.92	MU

3. Details of Bilateral transactions given in Annexure-III

Exhibit-I

Frequency Duration for June, 2011

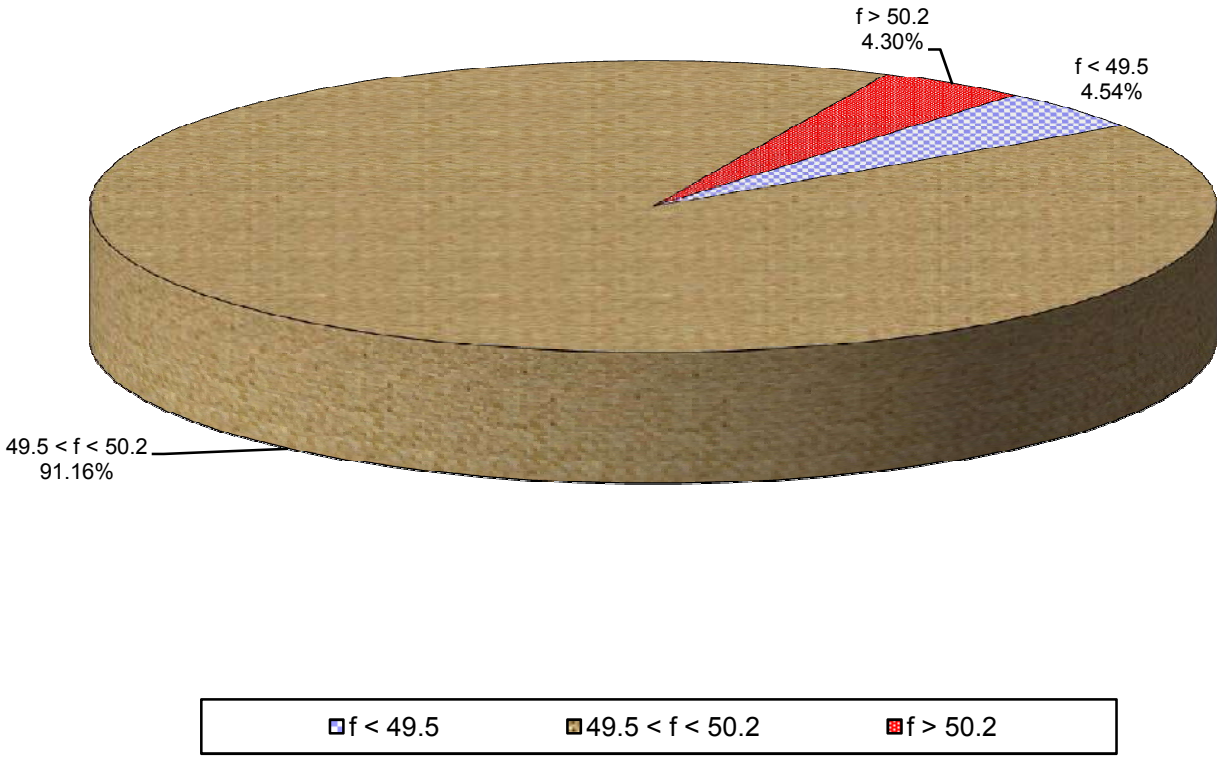


Exhibit-II

FVI Characteristics for June, 2011

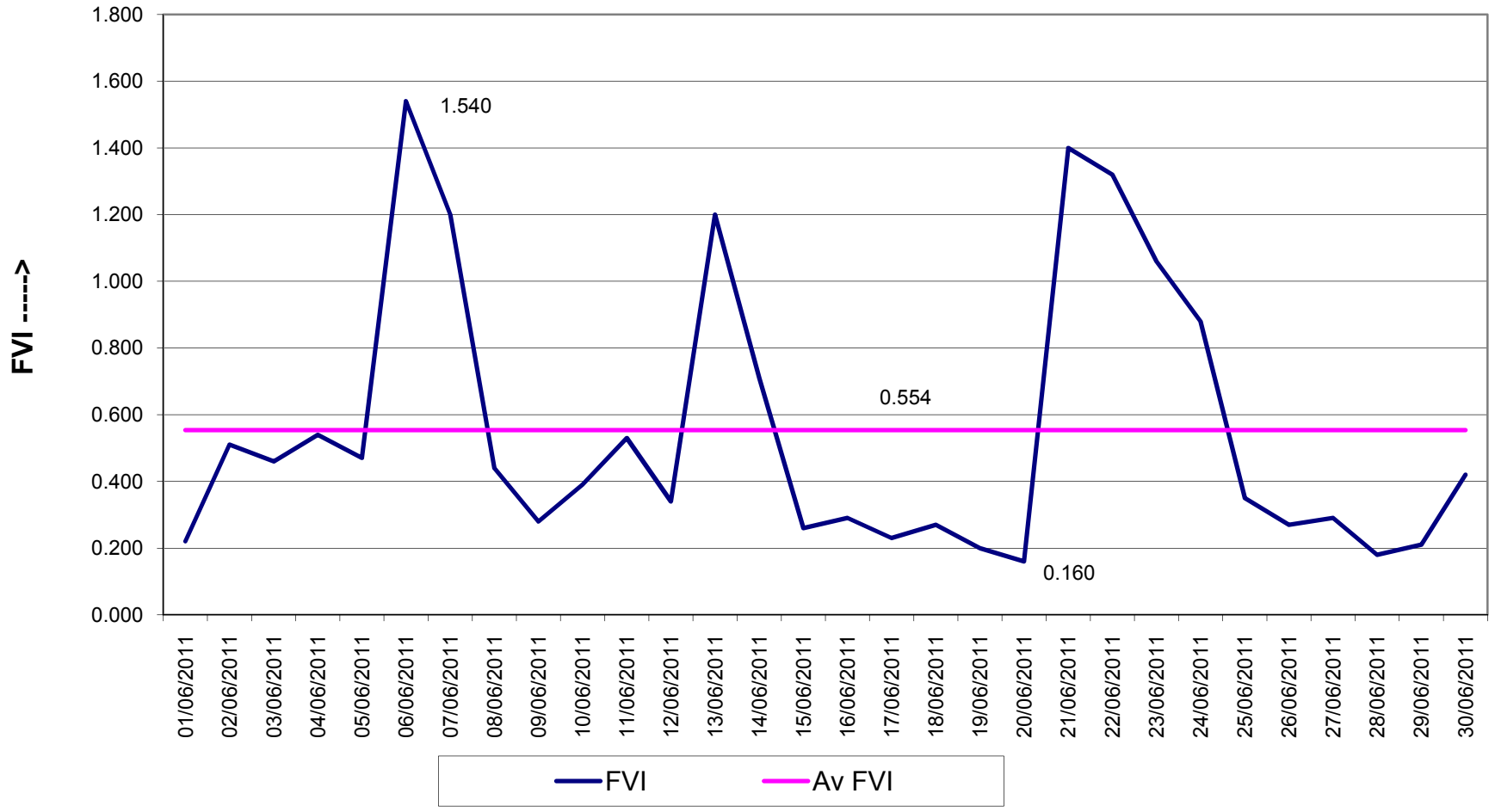


Exhibit-III

Maximum & Minimum Voltage Levels of Important Substations in NER during June, 2011

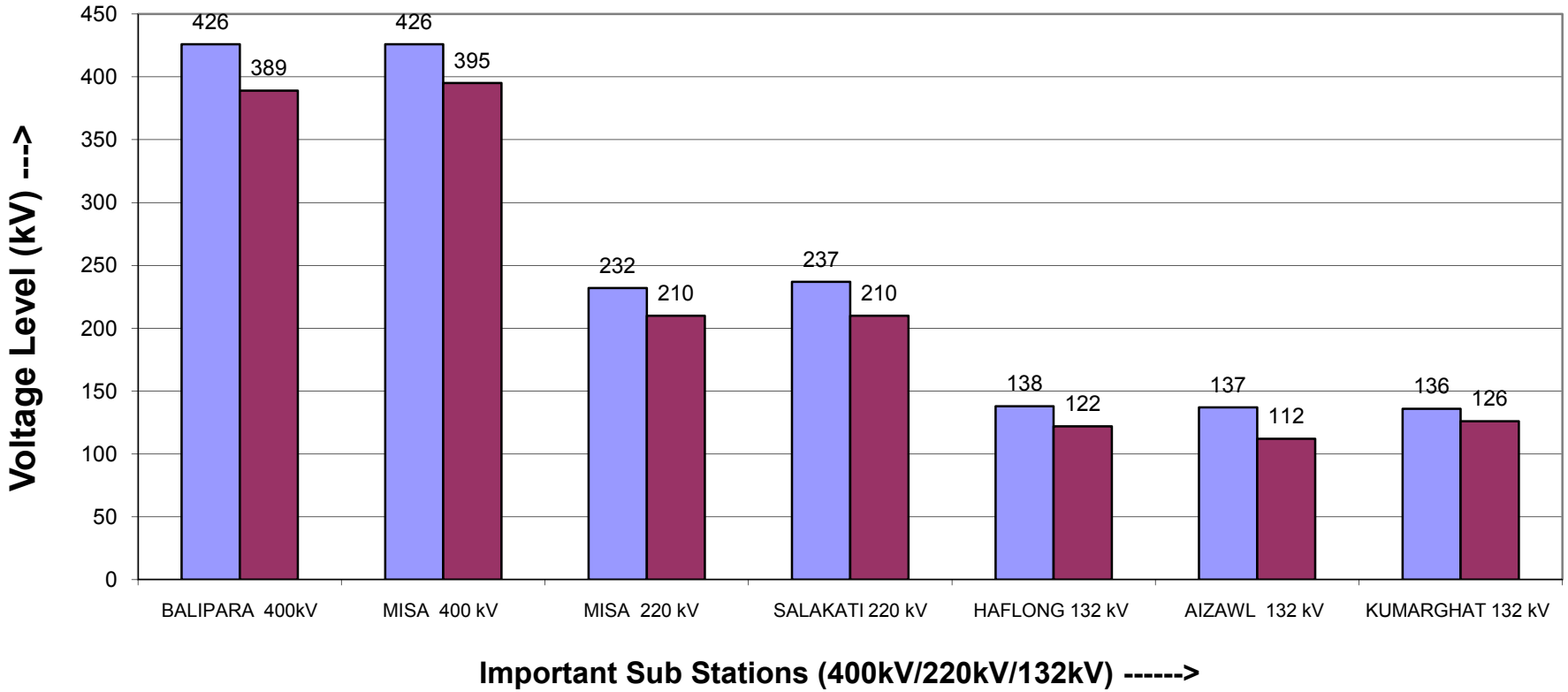


Exhibit-IV

State and Central Sector Generation (MU) in NER in June, 2011

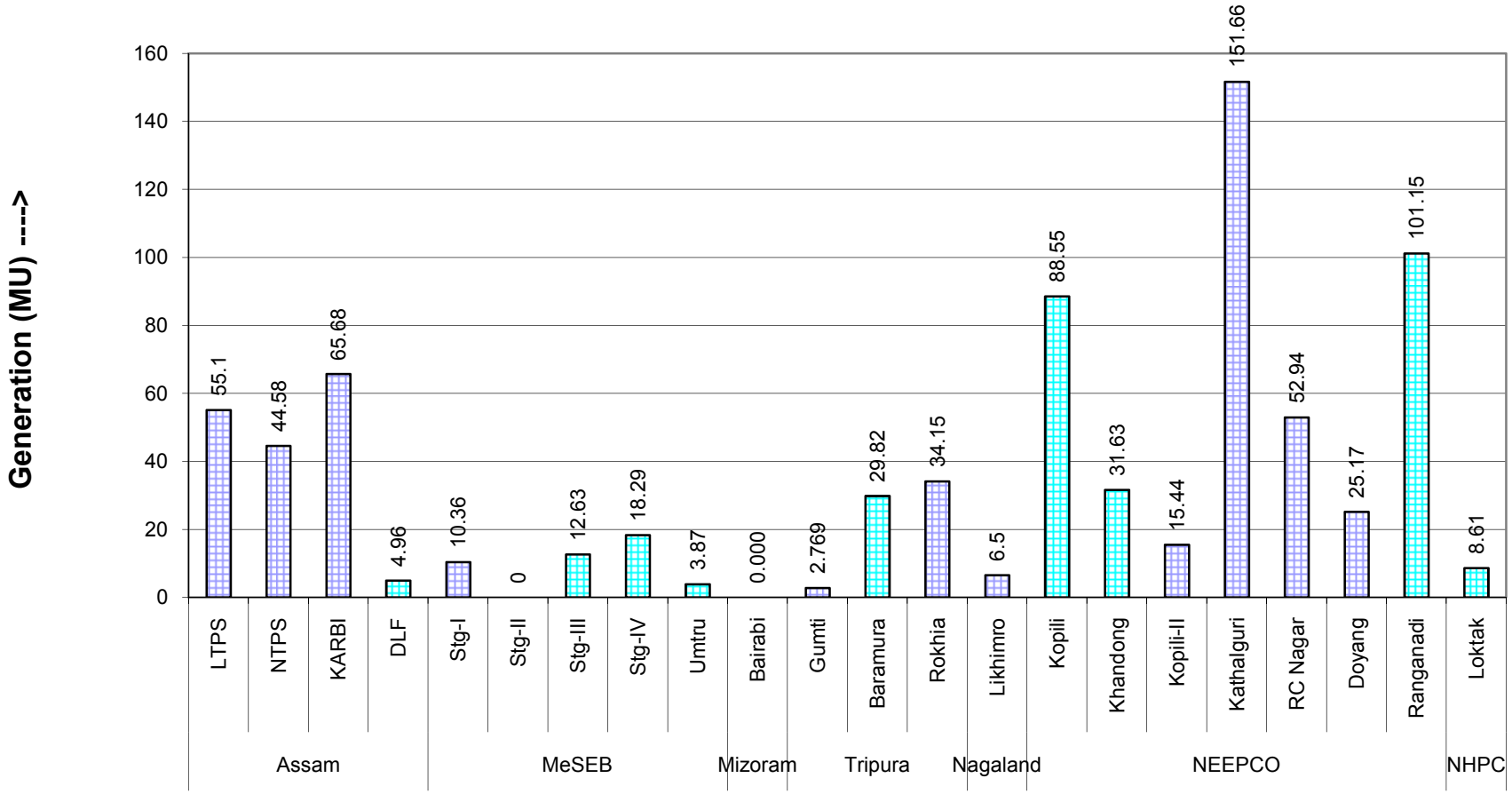


Exhibit-V

NER States Energy Scenario in June, 2011

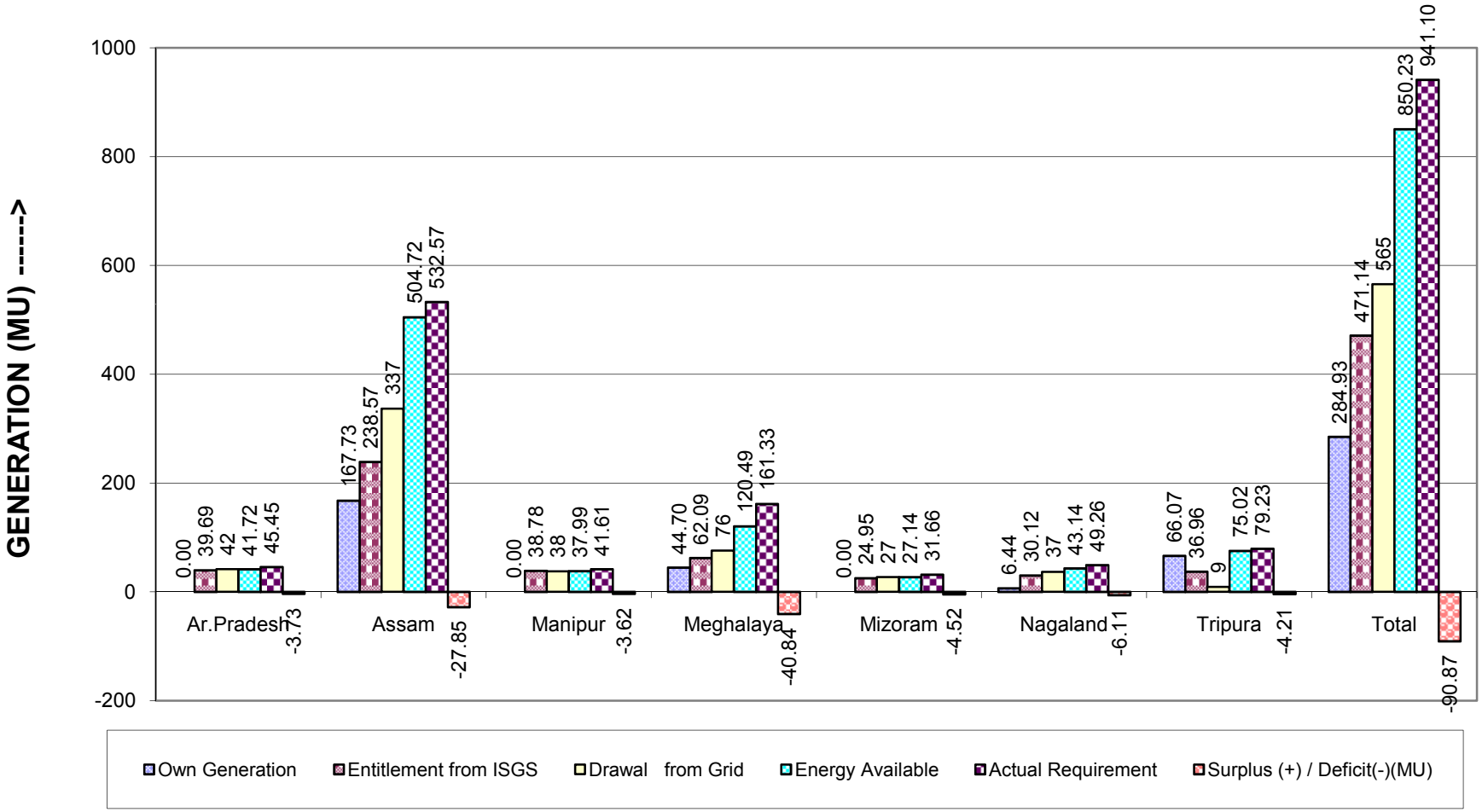


Exhibit-VI

Reservoir Statistics of NER in June, 2011