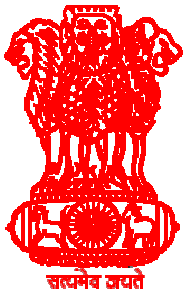


भारत सरकार Government of India
विद्युत मंत्रालय Ministry of Power
केंद्रीय विद्युत प्राधिकरण
Central Electricity Authority

उत्तर पूर्वी क्षेत्रीय विद्युत समिति
North Eastern Regional Power Committee

शिलोंग Shillong

Progress Report

For the month of

October, 2010

CONTENTS

NORTH EASTERN REGIONAL POWER COMMITTEE

Brief highlights of North Eastern Regional Power System for the month of October, 2010

The maximum unrestricted demand during the month of October, 2010 was 1913 MW, which was 1844 MW in the month of September, 2010. The peak demand met in NER during the period under review was 1560 MW, which was 1509 MW last month.

The maximum, minimum & average system frequency were 50.79, 49.09 & 49.94 Hz respectively. The maximum, minimum & average FVI were 0.580, 0.187 & 0.316 respectively. The average FVI was less than its previous month's figure. (refer Annex-II).

Maximum export of power from NER to ER was 499 MW (on 09/10/10 at 13:00 hrs) and that from ER to NER was 315 MW (03/10/10 at 13:00 hrs). Total net energy export during the month was 26.154 MU (to ER).

SALIENT FEATURES OF
NORTH EASTERN REGIONAL GRID FOR OCTOBER, 2010

1	New unit/ transmission lines/Transformers commissioned during this month		**Nil**	
2	Number of total grid disturbance during this month		Nil	
			Oct-10	**Oct-09**
3	**Installed Capacity** of the Region (in MW)(grid)		2054.12	2033.12
4	**Energy Generation in MU (Gross)::**			
	Thermal		395.260	378.144
	Hydel		484.900	456.387
	Diesel / Oil		0.000	0.000
	Total		880.160	834.531
5	**Demand in MW ::**			
	Registered Peak demand		1913.00	1608.67
	Peak demand met		1560.00	1445.00
	Shortage (% age)		-18.45	-10.17
6	**Regional Energy(Gross) in MU ::**			
	Energy requirement		901.53	849.55
	Energy availability		821.69	758.53
	Surplus (+) / Deficit (-) (% age)		-8.86	-10.71
7	**Inter Regional Energy Exchange in MU ::**			
	NER ----> ER		86.109	83.974
	ER ----> NER		59.955	44.978
	Net Export		26.154	39.00
8	**Frequency profile ::**			
	Average frequency (Hz)		49.94	49.66
	Average Frequency Variation Index		0.316	1.937
9	Load Factor (in %)		57.73	63.38

ENERGY GENERATION IN THE REGION FOR THE MONTH OF Oct-10

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	37.220	36.848	0.000	0.000	70.513	69.808	43.380	42.079	151.113	148.734
Meghalaya	50.390	49.886	0.000	0.000	0.000	0.000	0.000	0.000	50.390	49.886
Mizoram	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tripura	4.690	4.643	0.000	0.000	59.230	58.638	0.000	0.000	63.920	63.281
Nagaland	7.500	7.425	0.000	0.000	0.000	0.000	0.000	0.000	7.500	7.425
Total (State Sector)									**272.923**	**269.326**
Central Sector :										
NEEPCO :										
Khd+Kop+Kop-II	153.470	151.935	0.000	0.000	0.000	0.000	0.000	0.000	153.470	151.935
K'guri	0	0	0.000	0.000	0	0	149.530	145.044	149.530	145.044
RCNagar	0	0	0	0	45.890	45.431	0	0	45.890	45.431
Doyang	52.240	51.718	0	0	0	0	0	0	52.240	51.718
Ranganadi	215.100	212.949	0	0	0	0	0	0	215.100	212.949
NHPC :										
Loktak	63.270	62.637	0.000	0.000	0.000	0.000	0.000	0.000	63.270	62.637
Total (Central Sector)									679.500	669.714
Total NER	583.880	578.041	0.000	0.000	175.633	173.877	192.910	187.123	**952.423**	**939.041**

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.	46.35	39.09	7.26	15.66%	101	72	29	28.59%
Assam	499.98	467.12	32.86	6.57%	955	937	18	1.89%
Manipur	51.45	45.71	5.73	11.14%	115	101	14	12.43%
M'laya	143.06	128.09	14.97	10.46%	255	202	53	20.63%
Mizoram	30.36	24.85	5.50	18.13%	76	59	17	22.22%
Nagaland	50.43	43.54	6.89	13.66%	110	93	17	15.09%
Tripura	79.91	73.29	6.62	8.29%	220	197	23	10.57%
REGION	901.53	821.69	79.84	8.86%	1913	1560	353	18.44%

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	72.00	01/10/2010	50.08	-0.17	29	100.83
Assam	937.00	26/10/2010	50.14	-3.94	22	955.06
Manipur	101.00	18/10/2010	50.22	-0.67	15	115.33
Meghalaya	202.00	30/10/2010	50.08	-0.48	53	254.52
Mizoram	59.00	09/10/2010	50.08	-0.14	17	75.86
Nagaland	93.00	02/10/2010	50.17	-0.47	17	109.53
Tripura	197.00	19/10/2010	50.12	-0.71	24	220.29
REGION	1560.00	18/10/2010	50.22	-10.30	363	1912.70

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

ESTIMATION OF ENERGY REQUIREMENT (in MU)

Average Frequency 49.94 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	49.860	2.805	39.089	-13.575	39.089	0.070	7.19	46.350
Assam	148.734	286.682	82.007	318.381	-50.308	467.116	0.841	32.02	499.977
Manipur	0.000	61.669	0.000	45.713	-15.955	45.713	0.082	5.65	51.446
M'laya	49.886	76.960	20.358	78.200	-19.118	128.086	0.231	14.74	143.057
Mizoram	0.000	31.700	0.000	24.855	-6.845	24.855	0.045	5.46	30.360
Nagaland	7.425	39.184	9.210	36.120	-12.275	43.545	0.078	6.81	50.433
Tripura	63.281	49.974	0.000	10.008	-39.966	73.288	0.132	6.49	79.910
REGION	269.326	596.029	114.379	552.367	-158.042	821.693	1.479	78.36	901.532

*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)	
				Oct-10	Oct-09
	STATE SECTOR : HYDRO				
	ASSAM :: HYDRO				
1	KARBI HEP U - 1	50.00	0.00	0.000	29.250
2	KARBI HEP U - 2	50.00	50.00	37.220	28.300
	TOTAL	100.00		37.220	57.550
	MEGHALAYA :: HYDRO				
1	STAGE - 1	36.00	27.00	5.490	10.950
2	STAGE - 2	18.00	12.00	14.990	5.020
3	STAGE - 3	60.00	29.60	28.930	16.980
4	STAGE - 4	60.00	60.60	0.560	20.380
5	UMTRU	11.20	3.50	0.420	4.070
	TOTAL	185.20		50.390	57.400
	NAGALAND :: HYDRO				
6	LIKIMRO - 1				
7	LIKIMRO - 2	24.00	15.00	8.500	10.500
8	LIKIMRO - 3				
	TOTAL	24.00		8.500	10.500
	TRIPURA :: HYDRO				
9	GUMTI - 1	5.00	Gumti Stn. Peak =8 MW	0.000	0.000
10	GUMTI - 2	5.00		2.630	2.907
11	GUMTI - 3	5.00		2.060	2.770
	TOTAL	15.00		4.690	5.677
	TOTAL STATE (HYDRO) :	324.20		100.800	131.127

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)	
				Oct-10	Oct-09
	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 = 42 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		19.440	14.980
5	BARAMURA - 5	21.00		0.000	0.000
6	ROKHIA - 1	8.00	Rokhia Stn. Peak = 58.7 MW	0.000	0.000
7	ROKHIA - 2	8.00		0.000	0.000
8	ROKHIA - 3	8.00		6.330	4.866
9	ROKHIA - 4	8.00		5.690	3.310
10	ROKHIA - 5	8.00		0.000	0.000
11	ROKHIA - 6	8.00		0.000	0.000
12	ROKHIA - 7	21.00		12.790	15.548
13	ROKHIA - 8	21.00		14.980	15.820
	TOTAL	148.50		59.230	54.524
	ASSAM :: THERMAL				
1	LTPS - 1	15.00	LTPS Stn. Peak = 106.3 MW	7.280	9.060
2	LTPS - 2	15.00		8.550	8.970
3	LTPS - 3	15.00		10.220	8.720
4	LTPS - 4	15.00		0.000	6.490
5	LTPS - 5	20.00		11.350	0.000
6	LTPS - 6	20.00		14.730	14.630
7	LTPS - 7	20.00		13.500	10.120
8	NTPS - 1	20.00	NTPS Stn. Peak = 65.5 MW	14.230	4.040
9	NTPS - 2	21.00		13.180	13.970
10	NTPS - 3	21.00		0.000	9.330
11	NTPS - 4	11.00		7.730	7.750
12	NTPS - 5	22.00		0.000	0.000
13	NTPS - 6	22.00		8.240	7.810
14	DLF	24.50		4.860	6.910
	TOTAL	261.50		113.870	107.800
TOTAL STATE THERMAL/GAS :		432.92		173.100	162.324
TOTAL SC GEN(HY+TH/GAS)		**757.12**		**273.900**	**293.451**

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)	
				Oct-10	Oct-09
	CENTRAL SECTOR : HYDRO				
1	KHANDONG - 1	25.00	25.00	12.960	10.910
2	KHANDONG - 2	25.00	25.00	13.570	9.780
3	KOPILI Stg - II	25.00	25.00	15.110	13.180
4	KOPILI - 1	50.00	50.00	35.890	12.110
5	KOPILI - 2	50.00	0.00	0.000	30.030
6	KOPILI - 3	50.00	50.00	34.980	24.020
7	KOPILI - 4	50.00	50.00	37.100	37.650
8	DOYANG -1	25.00	Doyang Stn. Peak = 72.8 MW	13.340	16.170
9	DOYANG -2	25.00		10.200	0.000
10	DOYANG -3	25.00		13.330	18.530
11	LOKTAK - 1	35.00	Loktak Stn. Peak = 99 MW	17.930	15.670
12	LOKTAK - 2	35.00		25.170	23.880
13	LOKTAK - 3	35.00		23.690	23.770
14	RANGANADI - 1	135.00	Ranganadi Stn. Peak =401 MW	38.750	24.570
15	RANGANADI - 2	135.00		40.870	33.700
16	RANGANADI - 3	135.00		51.210	31.290
TOTAL HYDRO :		**860.00**		**384.100**	**325.260**
	CENTRAL SECTOR : THERMAL/GAS				
1	KATHALGURI - 1	33.50	Kathalguri Stn. Peak = 264 MW	20.960	21.820
2	KATHALGURI - 2	33.50		21.490	15.690
3	KATHALGURI - 3	33.50		22.380	22.500
4	KATHALGURI - 4	33.50		21.640	21.770
5	KATHALGURI - 5	33.50		14.210	14.950
6	KATHALGURI - 6	33.50		22.030	17.440
7	KATHALGURI - 7	30.00		15.870	15.210
8	KATHALGURI - 8	30.00		16.980	18.660
9	KATHALGURI - 9	30.00		12.790	12.220
10	R.C.NAGAR - 1	21.00	RC Nagar Stn. Peak = 84 MW	11.700	14.180
11	R.C.NAGAR - 2	21.00		13.230	14.100
12	R.C.NAGAR - 3	21.00		14.080	13.470
13	R.C.NAGAR - 4	21.00		14.800	13.810
TOTAL THERMAL/GAS :		375.00		222.160	215.820
TOTAL CS (HY + TH/GAS) :		1235.000		606.260	541.080
TOTAL NER GEN(HY+TH/GAS) :		**1992.120**		**880.160**	**834.531**

Plant Load Factor (PLF) and Voltage Profile : Oct-10

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	65.630	73.51
2	NTPS*	AEGCL	117.00	43.380	49.83
3	Baramura	Tripura	58.50	19.440	44.67
4	Rokhia	Tripura	90.00	39.790	59.42
5	AGBPP	NEEPCO	291.00	168.350	77.76
6	AGTPP	NEEPCO	84.00	53.810	**86.10**
7	Bairabi	Mizoram	22.92	0.000	0.00

*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	424	391
2	MISA 400 kV	423	390
3	MISA 220 kV	231	213
4	SALAKATI 220 kV	231	216
5	HAFLONG 132 kV	138	128
6	AIZAWL 132kV	137	122
7	KUMARGHAT 132kV	135	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	0.00	0.00	98.80	1.20
BALIPARA	0.00	16.14	83.74	0.12

1 **INTER - REGIONAL EXCHANGE :**

All Fig in MU

NER to ER	86.109
ER to NER	59.955
NET EXPORT	26.154

2	**Major Grid Disturbances during this month**	**NIL**

3	**MEETING HELD BY NERPC DURING THIS MONTH**	1. 55th OCC Meeting was held on 08.10.10 at NERLDC, conference hall, Shillong.

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	2012-13	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	2014	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	2012	
[F] MIZORAM				
(a) Tuivai Hydel Project	2	51	2012	Activities in progress
(b) Bairabi Dam Project	2	2 X 40	2012	Activities in progress
(G) MeSEB				
(a) Myntdu - Leishka HEP	2	3x42	2011	Activities in progress
(b) New Umtru HEP	2	2X20	2013	Activities in progress
(H) Tripura				
(a) Baramura GT # U-V	1	21	2010	Commissioned on 03.08.10

PROGRESS OF TRANSMISSION LINES IN NE REGION

	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	
	A : Lines under ASEB.								
1	132 kV Nazira - Lakwa 2nd Ckt	21						Completed	Work in progress
2	132 kV, S/C Rangia - Sipajhar - Rowta- Depota	147							Work in progress
3	132 kV, S/C Sarusajai - Kahilipara	8							Work in progress
4	LILO of 132 kV Mariani - Dimapur S/C at Bokajan	6					completed		Rly Clearance awaited
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	Myntdu Leshka-Khlieriat 132 KV D/C			2011					Work in progress
2	220 kV Misa-Byrinahat D/C			2010					Work in progress
3	132 kV Agia - Nangalbibra								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(Conducto	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	`+/- 800 kV HVDC Bipol Bis'nath Chariali-Agra	1971	08/2013	08/2013	2293	1016	210		All tower packages award
2	400 kV Balipara - Biswanath Chariali D/C	130	08/2013	08/2013	167	98	40		
3	LILO of 400 kV R'nadi-Balipara D/C at Bis Charial	54	08/2013	08/2013	68	5			
4	400 kV Kameng - Balipara D/C	110	02/2013	02/2013	142	9			
5	400 kV Balipara - Bongaigaon D/C	596	02/2013	03/2012	838	445	137		
6	400 kV Lower Subansiri - Biswanath Chariali line-I	334	02/2013	03/2012	432	198	85		
7	400 kV Lower Subansiri - Biswanath Chariali line-II	340	02/2013	03/2012	442	192	55		
8	LILO of 132 kV Dimapur-Kohima at Dimapur (PG)	2	09/2009	03/2011	3				ROW problem
9	132 kV Kopili-Khandong	12	09/2009	12/2010	43	37	37	10	ROW problem
10	132 kV D/C Biswanath Chariyali- B. Chariyali (AEGCL)	32	08/2013	08/2013	55				Engg.&survey under prog.
11	400 kV D/C Bongaigaon TPS-Bongaigaon								
12	400 kV Palatana - Silchar	248							
13	400 kV Silchar - Bongaigaon	405							

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 Oct-10

Organisation	Actual (MU)	Schedule (MU)	UI Energy (MU)	UI Receivable (Rs. in Lakhs)	UI Payable (Rs. in Lakhs)
Arunachal Pradesh	39.089	50.714	-11.624	222.90	3.83
ASEB	318.381	355.391	-37.009	731.72	41.07
Manipur	45.713	63.217	-17.503	365.39	0.00
MeSEB	78.200	82.187	-3.986	117.06	23.25
Mizoram	24.855	22.942	1.913	8.24	41.69
Nagaland	36.120	36.201	-0.082	89.48	60.73
Tripura	10.008	16.000	-5.992	139.47	21.49

Entitlement, Schedule, Drawal and UI Charges Oct-10

	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	49.860	49.938	50.714	39.089	-11.624	2.191
ASEB	286.682	286.305	355.391	318.381	-37.009	6.907
Manipur	61.669	61.717	63.217	45.713	-17.503	3.654
MeSEB	76.960	76.960	82.187	78.200	-3.986	0.938
Mizoram	31.700	31.699	22.942	24.855	1.913	-0.335
Nagaland	39.184	39.137	36.201	36.120	-0.082	0.288
Tripura	49.974	50.277	16.000	10.008	-5.992	1.180

(Source : UI A/c, NERPC)

Schedule for ISGS's Generation and State's Drawl for the month of Oct-10

States	Schedule From ISGS(MWH)	Bilateral Schedule from Outside NER (MWH)	Total Schedule (MWH)	Ex.PP. Drawal (MWH)	Tr. Energy (MWH)
Arunachal Pradesh	49859.07	2894.63	52753.70	40402.66	52753.70
ASEB	286678.36	84632.725000	371311.09	329077.41	371311.09
Manipur	61668.14		61668.14	47249.18	61668.14
MeSEB	76959.62	21009.225000	97968.84	80827.48	97968.84
Mizoram	31700.04		31700.04	25690.00	31700.04
Nagaland	39183.96	9504.98	48688.93	37333.05	48688.93
Tripura	49972.84		49972.84	10343.82	49972.84
Total	596022.02	118041.55	714063.57	570923.59	714063.57

ISGS	Schedule (MWH)	Injection (MWH)
LOKTAK	65115.82	65914.38
KHANDONG	25836.98	27013.64
KOPILI-I	106490.17	105855.40
KOPILI-II	15036.40	15189.34
DHEP	35652.63	35828.65
RHEP	129863.62	129555.87
AGTPP	52452.94	52681.70
AGBPP	165573.47	165038.61
Total	596022.02	597077.58

Source : Provisional REA for the month: Oct-10

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	5.193	6.193	4.192	18.462	6.882	5.693	6.180	4.942
Assam	53.455	46.615	56.277	43.328	43.742	56.465	45.178	29.415
Manipur	7.385	7.225	6.565	8.373	7.893	8.125	8.143	30.115
Meghalaya	17.150	18.650	16.650	11.250	11.230	11.550	11.340	12.140
Mizoram	4.619	6.278	3.940	5.710	5.240	5.429	6.190	5.068
Nagaland	6.155	5.656	6.653	5.335	17.935	5.805	5.607	6.427
Tripura	6.043	9.383	5.723	7.542	7.078	6.933	17.362	11.893
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	203.4081	*As per CERC order dated 30.04.08 in petition No 89/2007.
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	52.71 *	*As per CERC order dated 20.02.08 in Pet.No 135/2005,^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:- 18.10.2010

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	796.00	188	270.92	459.4	86	191.3	105.08	106	131.2	25.23	28.89	20.53	33.03	34.61	-259.22	1176.70	899.00	917.54	18.5	777.45
2	783.22	188	249.85	438.3	86	183.3	97.27	106	123.8	17.80	29.57	19.38	32.42	33.77	-284.74	1163.69	860.53	879.01	18.5	764.73
3	782.43	188	245.83	433.5	93	185.4	92.77	106	121.1	15.15	26.43	18.98	32.83	36.60	-300.14	1168.77	854.93	868.70	13.8	768.66
4	761.56	188	237.26	425.7	93	186.6	93.84	106	118.5	12.52	27.39	19.31	34.40	35.02	-273.07	1148.77	846.95	875.76	28.8	732.75
5	773.62	188	235.35	423.8	93	192.3	99.59	106	115.8	9.77	38.17	21.63	37.14	34.43	-284.52	1160.76	863.22	876.31	13.1	760.52
6	896.17	188	211.28	399.7	93	189.8	97.12	106	101.5	-4.51	68.12	33.51	56.17	39.64	-371.88	1283.30	888.46	911.48	23.0	873.14
7	884.39	188	218.16	405.9	93	213.8	120.95	106	96.5	-9.47	53.82	45.17	60.23	41.28	-338.56	1270.92	916.67	932.42	15.8	868.64
8	891.65	188	238.83	427.3	87	194.7	107.74	106	98.3	-7.72	72.64	39.00	48.43	49.76	-312.92	1273.07	930.09	960.22	30.1	861.52
9	901.34	188	245.97	433.7	87	188.4	101.45	106	103.2	-2.78	64.85	31.42	39.02	43.24	-349.96	1281.97	903.79	932.07	28.3	873.06
10	903.88	188	293.92	481.6	87	185.7	98.75	106	107.5	1.48	71.79	29.17	42.02	42.00	-294.41	1284.58	959.84	990.24	30.4	873.48
11	920.27	188	314.77	502.5	87	182.2	95.26	106	112.1	6.07	68.20	29.65	41.96	35.59	-290.38	1300.89	972.12	1010.58	38.5	881.80
12	908.08	188	327.23	514.9	61	182.4	120.92	106	113.9	7.87	56.05	30.44	32.18	37.16	-269.08	1263.25	967.02	994.23	27.2	880.88
13	912.33	188	328.39	516.1	49	165.2	116.55	106	117.5	11.50	50.34	30.72	35.63	34.22	-285.50	1254.66	949.68	969.22	19.5	892.79
14	930.15	188	332.58	520.3	49	173.9	125.28	106	117.2	11.23	79.04	31.98	38.82	33.37	-245.73	1272.52	994.67	1026.86	32.2	897.97
15	922.25	188	352.47	540.2	49	172.8	124.12	106	116.5	10.54	73.28	37.08	48.40	31.07	-217.67	1264.68	1019.40	1047.07	27.7	894.58
16	926.36	188	360.87	548.6	54	155.3	100.87	106	118.5	12.54	76.86	43.32	54.14	37.52	-216.87	1274.54	1034.30	1057.73	23.4	902.92
17	1098.94	188	421.21	608.9	84	192.8	108.84	106	142.8	36.81	79.31	57.46	66.86	51.71	-246.24	1476.64	1199.89	1230.52	30.6	1068.31
18	1092.30	188	665.68	853.4	97	188.6	91.80	106	194.6	88.59	80.71	48.93	81.51	65.93	57.09	1482.82	1513.66	1540.04	26.4	1065.93
19	1102.91	188	671.44	859.2	112	211.1	99.51	106	190.1	84.12	95.39	44.55	76.04	63.52	76.57	1508.22	1539.87	1584.92	45.1	1057.86
20	1083.54	188	680.74	868.4	111	197.8	86.39	106	187.6	81.56	93.48	33.85	74.48	63.31	74.72	1488.69	1518.98	1563.55	44.6	1038.97
21	1093.27	188	653.96	841.7	111	197.7	86.23	106	178.8	72.84	92.53	39.57	62.05	61.83	10.63	1498.43	1474.17	1509.19	35.0	1058.25
22	1088.88	188	576.85	765.3	111	193.7	82.20	106	163.9	57.95	87.44	41.88	55.09	58.14	-104.17	1494.81	1365.47	1390.77	25.3	1063.58
23	1075.97	188	492.73	680.4	111	207.1	95.65	106	144.8	38.76	83.17	30.83	44.12	45.19	-209.85	1481.12	1235.61	1271.33	35.7	1040.24
24	936.76	188	385.53	573.2	85	198.4	113.28	106	133.0	26.96	72.04	28.83	38.23	38.80	-186.50	1315.63	1082.54	1129.19	46.7	890.11
Max	1102.91	188	680.74	868.45	112	213.8	125.28	106	194.6	88.59	95.39	57.46	81.51	65.93	76.57	1508.22	1539.87	1584.92	46.7	1068.31
Min	761.56	188	211.28	399.72	49	155.3	82.20	106	96.5	-9.47	26.43	18.98	32.18	31.07	-371.88	1148.77	846.95	868.70	13.1	732.75

HOURLY DATA ON MINIMUM DEMAND MET DAY

DATE: 08.10.2010

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	747.08	188	526.4	338.70	78	203.9	126.40	74	-33.98	40.50	21.10	17.71	31.98	46.21	-173.97	1086.8	887.8	912.88	25.1	722.02
2	742.11	188	502.4	314.35	51	174.4	122.97	75	-34.83	39.79	15.52	16.82	31.05	46.82	-194.78	1056.3	826.9	861.57	34.7	707.42
3	738.06	188	469.0	281.29	51	177.8	126.30	74	-36.60	37.83	11.38	15.00	29.98	44.71	-234.08	1051.7	785.7	817.64	32.0	706.10
4	734.20	188	454.5	266.42	51	173.6	122.16	74	-36.77	37.48	12.47	13.62	30.85	48.81	-248.05	1047.9	771.3	799.95	28.6	705.55
5	730.57	188	470.4	282.32	51	177.7	126.34	75	-34.68	39.88	15.81	14.88	37.37	49.71	-208.10	1044.5	805.7	836.52	30.8	699.79
6	761.58	188	466.1	278.06	51	177.7	126.34	69	-33.33	36.13	43.54	24.84	59.65	54.55	-173.87	1070.5	862.6	890.14	27.6	734.00
7	854.69	188	486.6	298.87	51	209.8	158.32	70	-25.71	43.89	44.82	39.36	62.36	60.22	-178.68	1163.4	947.0	984.83	37.8	816.85
8	853.22	188	481.6	293.48	51	198.0	146.70	74	-5.20	69.06	51.43	42.13	53.98	61.86	-186.24	1166.9	958.1	980.73	22.7	830.56
9	682.57	188	472.5	284.78	51	198.5	147.13	74	-15.40	58.99	48.13	33.26	43.80	59.49	-51.87	996.0	914.6	944.21	29.6	653.00
10	694.66	188	528.4	340.74	64	156.6	92.29	74	-15.09	59.12	48.54	28.08	39.77	54.05	-83.63	1020.9	914.6	937.36	22.7	671.94
11	676.26	188	518.9	331.21	85	182.9	98.26	74	-15.61	58.43	47.09	32.90	37.53	47.36	-74.81	1022.6	925.1	947.88	22.8	653.48
12	727.40	188	515.6	327.85	108	195.2	86.99	74	4.32	78.31	48.03	37.21	36.24	49.92	-111.80	1097.3	960.5	985.58	25.1	702.29
13	745.12	189	474.8	285.78	108	218.3	110.08	54	-28.19	25.96	51.06	33.64	34.59	48.68	-194.77	1096.5	887.1	901.83	14.8	730.35
14	712.99	183	401.6	218.28	87	190.5	103.62	74	-31.37	42.95	64.32	37.81	39.31	49.75	-188.74	1057.6	826.3	868.88	42.6	670.38
15	696.34	188	425.3	237.75	97	208.3	111.70	75	-27.97	46.64	73.05	44.70	32.68	46.60	-142.72	1055.1	877.2	912.42	35.2	661.16
16	702.52	188	441.0	253.50	112	212.5	100.68	73	-22.16	50.89	19.77	42.87	32.77	48.74	-192.87	1074.9	848.6	882.11	33.5	668.98
17	887.84	188	487.7	300.15	125	236.1	110.62	73	-24.33	48.93	72.50	17.55	54.81	66.97	-219.25	1274.1	984.5	1054.98	70.4	817.40
18	1006.35	188	633.1	445.58	126	179.5	53.44	71	-14.53	56.96	69.54	38.88	30.32	76.64	-272.71	1391.4	1084.9	1118.80	33.9	972.45
19	1074.63	188	584.3	396.03	125	217.3	91.96	73	-6.62	66.76	74.97	39.15	31.99	71.42	-324.87	1461.7	1085.9	1136.91	51.0	1023.63
20	1074.61	188	561.2	372.95	101	183.9	82.79	71	-1.09	69.60	73.95	33.84	27.63	70.94	-376.83	1434.6	1021.0	1057.95	36.9	1037.71
21	1073.20	189	534.6	345.93	101	163.1	62.04	71	-1.59	69.15	69.49	29.55	27.98	65.68	-445.52	1433.6	959.5	988.24	28.7	1044.48
22	1027.82	189	473.8	284.84	122	177.2	54.78	71	-9.48	61.53	73.95	19.21	20.28	59.44	-487.08	1410.3	885.5	923.31	37.9	989.96
23	907.22	189	437.5	248.88	122	174.9	52.86	71	-11.71	59.69	56.51	14.77	21.55	50.33	-444.05	1289.3	815.2	845.28	30.1	877.16
24	800.49	189	367.1	178.48	122	191.4	69.52	64	-13.94	49.96	44.18	12.23	16.48	44.52	-412.26	1174.8	725.8	762.65	36.8	763.67
Max	1074.63	189	633.1	445.58	126	236.1	158.32	75	4.32	78.31	74.97	44.70	62.36	76.64	-51.87	1461.7	1085.9	1136.91	70.4	1044.48
Min	676.26	183	367.1	178.48	51	156.6	52.86	54	-36.77	25.96	11.38	12.23	16.48	44.52	-487.08	996.0	725.8	762.65	14.8	653.00

ANNEXURES
&
EXHIBITS

Annexure-I

RESERVOIR PARTICULARS OF THE MONTH : **Oct-10**

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	719.55	24.50	717.90	20.00
KOPILI	609.5 M	592.83 M	609.07	98.20	608.67	94.50
LOKTAK	768.5 M	766.2 M	768.50	250.00	768.93	250.00
BARAPANI	3220 Ft	3150 Ft	3211.15	40.10	3216.95	46.80
GUMTI	93.55 M	83.6 M	90.30	15.42	91.30	20.58
DOYANG	333 M	306 M	322.95	33.00	321.65	29.00

Annexure-II

FREQUENCY ANALYSIS FOR THE MONTH OF : **Oct-10**

Frequency	(Freq.in Hz)	(Time: H:M)	(Date:D.M.Y)
1. Maximum frequency	50.79	17:09	31.10.10
2. Minimum frequency	49.09	18:41	06.10.10
3. Monthly average	49.94		

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

f < 49.5	49.5 < f < 50.2	f >50.2
0.99	93.54	5.47

Daily Frequency Variation Index :

DATE	FVI	DATE	FVI
1-Oct-10	0.340	17-Oct-10	0.240
2-Oct-10	0.320	18-Oct-10	0.380
3-Oct-10	0.320	19-Oct-10	**0.580**
4-Oct-10	0.400	20-Oct-10	0.190
5-Oct-10	0.400	21-Oct-10	0.210
6-Oct-10	0.510	22-Oct-10	**0.187**
7-Oct-10	0.390	23-Oct-10	0.200
8-Oct-10	0.340	24-Oct-10	0.190
9-Oct-10	0.260	25-Oct-10	0.220
10-Oct-10	0.370	26-Oct-10	0.220
11-Oct-10	0.250	27-Oct-10	0.290
12-Oct-10	0.240	28-Oct-10	0.300
13-Oct-10	0.450	29-Oct-10	0.280
14-Oct-10	0.460	30-Oct-10	0.281
15-Oct-10	0.460	31-Oct-10	0.281
16-Oct-10	0.250	**Average FVI**	**0.316**

Annexure-III

Details of Scheduled Bilateral Exchanges within the Region in **Oct-10**

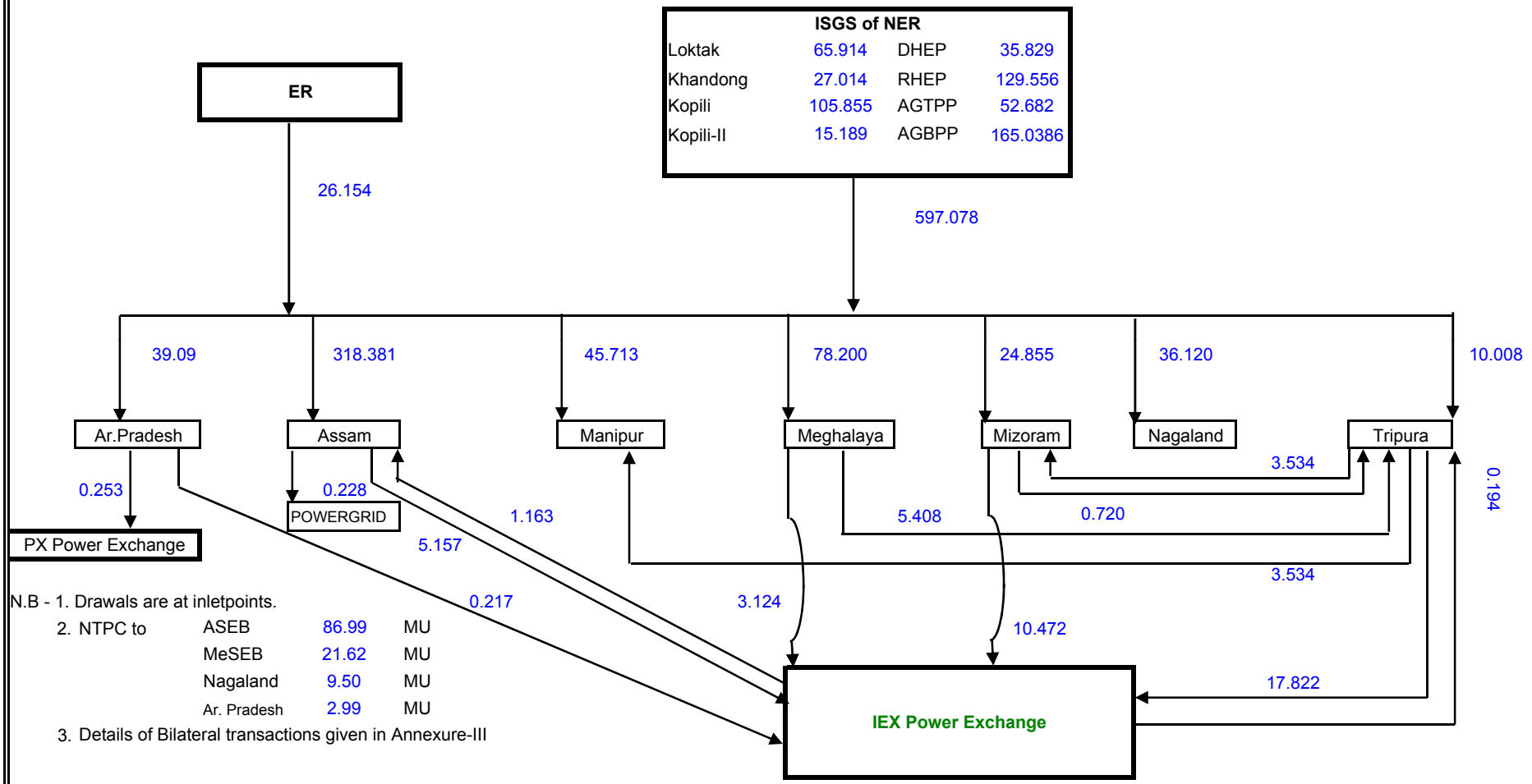
Sl.No.	From	To	Energy (At Seller Injn. Point) (MWH)		Energy (At State Periphery) (MWH)
1	Tripura(Baramura)	Manipur	3534.000000		3423.990000
2	Tripura(Baramura)	Mizoram	3534.000000		3423.990000
3	ASEB	POWERGRID^	227.894500	^ The actual energy consumed by POWERGRID	
4	Mizoram	TSECL	720.000000		697.080000
5	MeECL	TSECL (NVVN)	4533.000000		4392.060000
6	MeECL	TSECL (NVVN)	875.000000		846.800000

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	MeECL	NDPL (NVVN)	3600.000000	3487.440000	
2	MeECL	NDPL (NVVN)	600.000000	581.240000	
3	Nag	MPPTCL (Nag)	10925.000000	10587.370000	
4	TSECL	MSEDCL (NVVN)	13950.000000	13515.750000	
5	Farakka*	Ar. Pradesh	1542.631875	1499.825000	1453.235800
6	Kahalgaon 1*	Ar. Pradesh	610.258600	574.025000	556.226125
7	Talcher*	Ar. Pradesh	832.492500	820.775000	795.330025
8	Farakka*	Assam	27601.068850	26851.250000	26017.253175
9	Kahalgaon 1*	Assam	7710.936625	7503.250000	7270.362950
10	Kahalgaon 2*	Assam	40559.884750	39459.600000	38236.069825
11	Talcher*	Assam	11118.163125	10818.625000	10483.225625
12	Farakka*	MeECL	4525.053500	4390.075000	4253.725900
13	Kahalgaon 1*	MeECL	1830.775800	1762.750000	1708.064600
14	Kahalgaon 2*	MeECL	12825.260000	12478.575000	12091.645325
15	Talcher*	MeECL	2441.978000	2377.825000	2304.109950
16	Farakka*	Nagaland	4964.757800	4836.125000	4685.912575
17	Kahalgaon 1*	Nagaland	2105.302850	2048.200000	1984.632450
18	Talcher*	Nagaland	2688.002750	2620.650000	2539.398375
	Bilateral exchange through IEX Power Exchange (-ve means injection, +ve means drawal)				
19	Arunachal Pradesh		-217.000000	-210.000000	
20	Assam		-5156.820000	-4995.650000	
21	Assam			1200.000000	1162.800000
22	MeECL		-3123.760000	-3026.410000	
23	Mizoram		-10472.300000	-10145.000000	
24	Tripura		-17821.910000	-17267.000000	
25	Tripura			200.000000	193.850000
	Bilateral exchange through PX Power Exchange (-ve means injection, +ve means drawal)				
26	Arunachal Pradesh		-252.970000	-245.000000	

Annexure-IV

ENERGY EXCHANGE(in MU) IN NER DURING October, 2010



N.B - 1. Drawals are at inletpoints.

2. NTPC to

ASEB	86.99	MU
MeSEB	21.62	MU
Nagaland	9.50	MU
Ar. Pradesh	2.99	MU

3. Details of Bilateral transactions given in Annexure-III

Exhibit-I

Frequency Duration for October, 2010

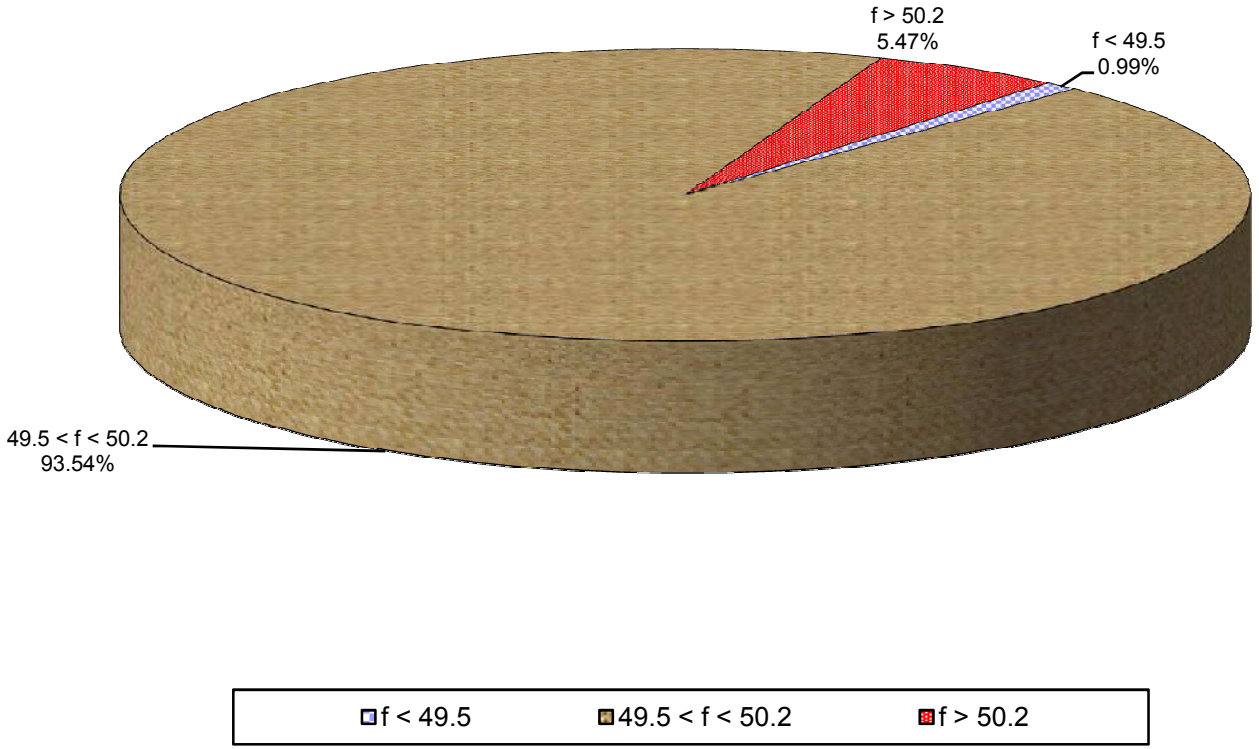


Exhibit-II

FVI Characteristics for October, 2010

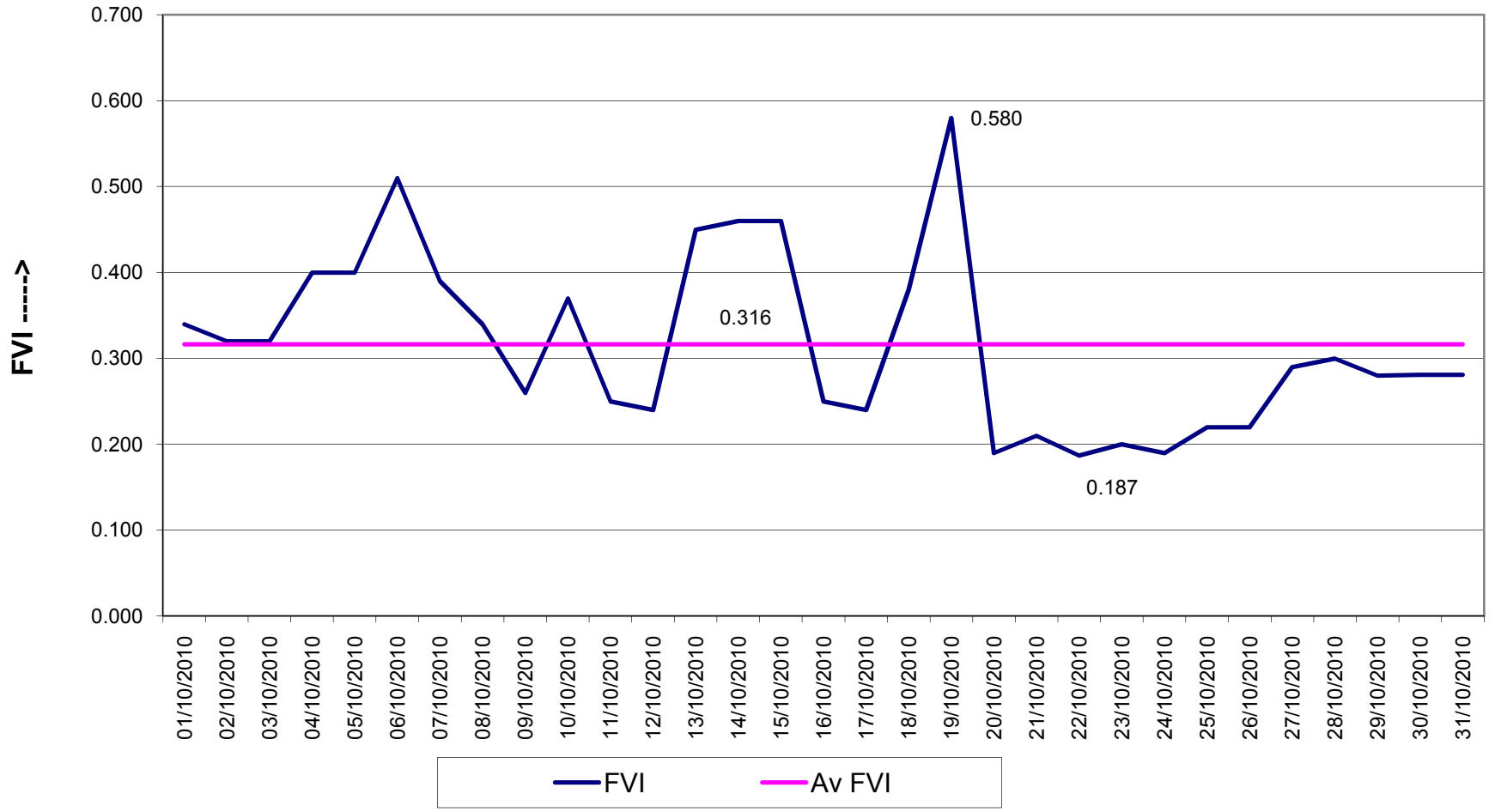


Exhibit-III

Maximum & Minimum Voltage Levels of Important Substations in NER during October, 2010

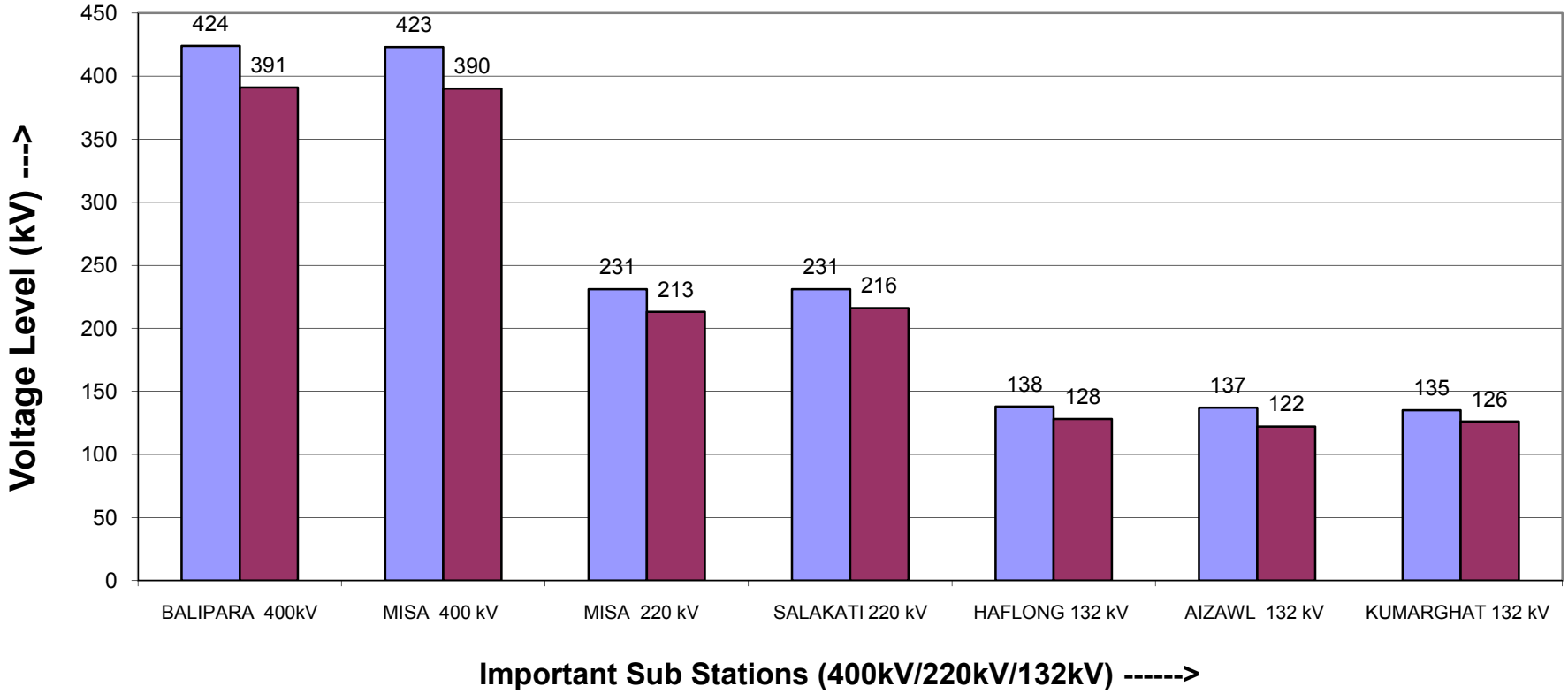


Exhibit-IV

State and Central Sector Generation (MU) in NER in October, 2010

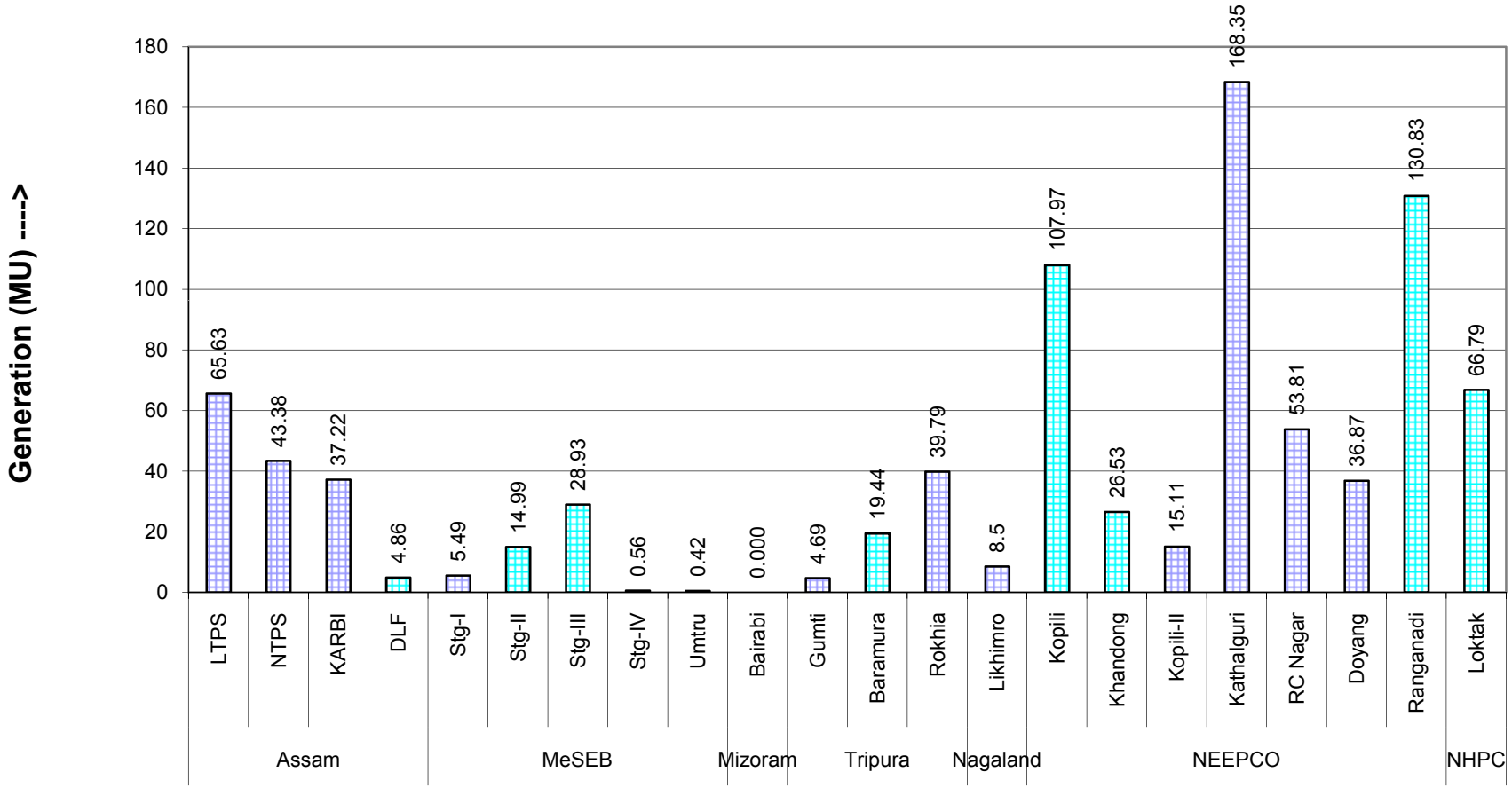


Exhibit-V

NER States Energy Scenario in October, 2010

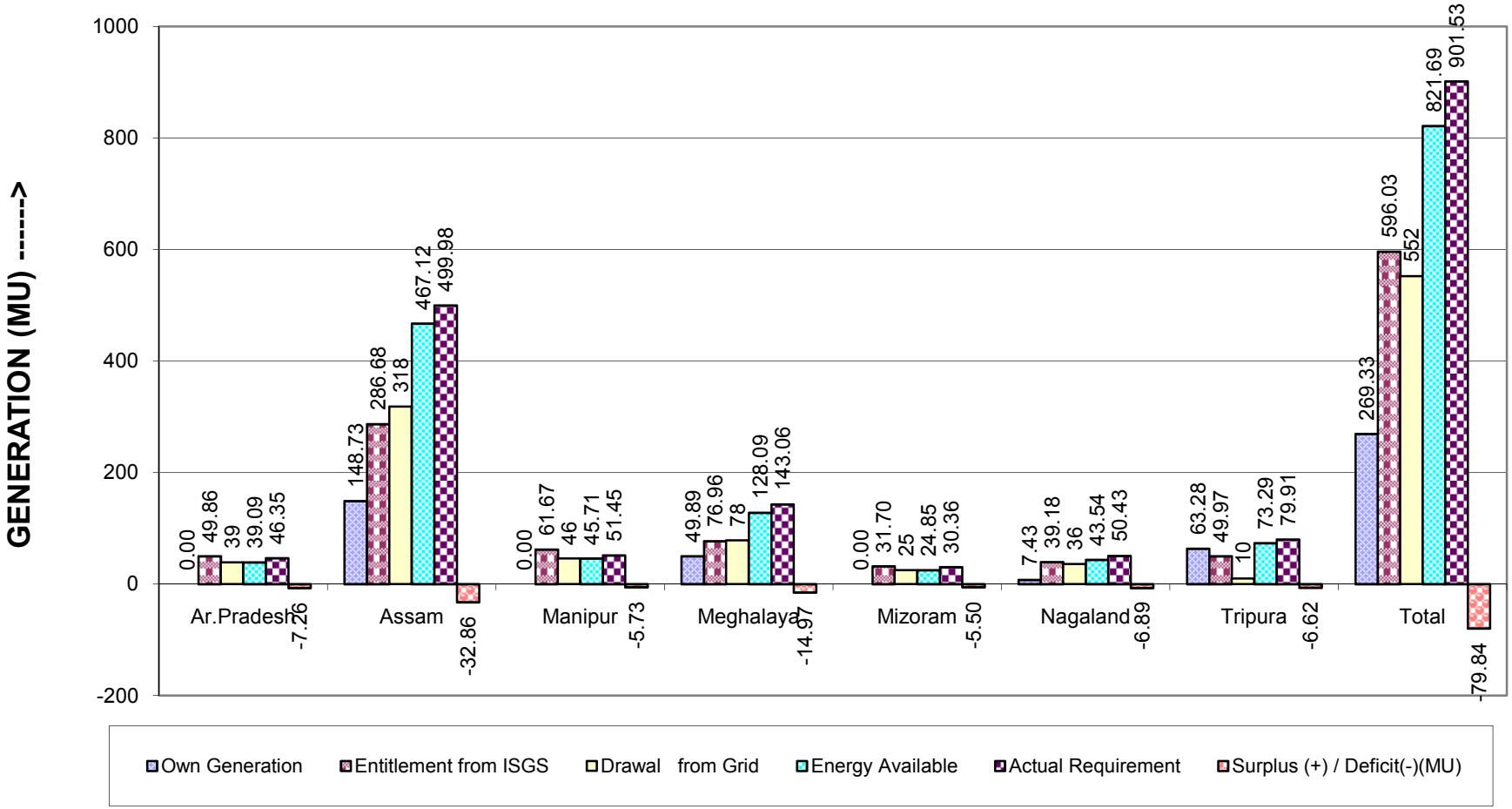


Exhibit-VI

Reservoir Statistics of NER in October, 2010