



भारत सरकार Government of India
विद्युत मंत्रालय Ministry of Power
उत्तर पूर्वी क्षेत्रीय विद्युत समिति
North Eastern Regional Power Committee
एन ई आर पी सी कॉम्प्लेक्स, डोंग पारमाओ, लापालाङ, शिल्लोंग-७९३००६, मेघालय
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सं/No. NERPC/MPR/2016/

दिनांक/Date 19th December 2016

सेवा में,
To

संलग्नक सूचि के अनुसार
As per enclosed list.

विषय: उ.पू.क्षे.वि.स. की **जुन 2016** की मासिक प्रगति रिपोर्ट
Subject: Monthly Progress Report of NERPC for the month of **June 2016**.

महोदय,
Sir,

उत्तर पूर्वी क्षेत्रीय विद्युत समिति की **जुन 2016** की मासिक प्रगति रिपोर्ट आपके अवलोकनार्थ हेतु हमारा वेबसाइट www.nerpc.nic.in में अपलोड की गई है ।

The Monthly Progress Report of the North Eastern Regional Power Committee for the month of June 2016 is uploaded in our office website www.nerpc.nic.in for your perusal.

संलग्न : यथोपरि

Encl: as above

भवदीय / Yours faithfully,

(एल. बी. मुआनथंग/ L. B. Muanthang)
अधीक्षण अभियंता / Superintending Engineer

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NORTH EASTERN REGIONAL POWER COMMITTEE

01. Brief highlights of North Eastern Regional Power System for the month of June 2016

- ❖ The maximum unrestricted demand during the month of June 2016 was 2479 MW, which was 2487 MW in the month of May 2016. The peak demand met in NER during the period under review was 2475 MW, which was 2401 MW in the previous month.
- ❖ The energy requirement during the month of June 2016 was 1208.73 MU, which was 1227.06 MU in the month of May 2016. The energy availability in NER during the period under review was 1172.43 MU, which was 1169.45 MU in the previous month.
- ❖ The maximum, minimum & average system frequency were 50.37 (9-June-16 14:27 Hrs), 49.65 (29-June-16 19:37 Hrs) & 49.99 Hz respectively. The maximum, minimum & average FVI were 0.072, 0.025 & 0.042 respectively. The average FVI was less than its previous month's figure of 0.046. (refer Annex-II).
- ❖ Maximum export of power from NER to ER was 897 MW (on 20.06.16 at 12:15 Hrs) and that from ER to NER was 1293 MW (on 23.06.16 at 15:45 Hrs). The same Inter-Regional Exchanges of NER with NR was 1505 MW (on 23.06.16 at 14:45 Hrs.) and 439 MW (on 18.06.16 at 12:30 Hrs) respectively. Total net energy import during the month was -98.403 MU (43.749 MU from ER and -142.152 MU from NR).

Monthly Progress Report of NERPC for the month of June 2016

02. SALIENT FEATURES OF NORTH EASTERN REGIONAL GRID FOR JUNE 2016

1	New Unit/Transmission Line/Transformer commissioned during this month	NIL	
2	Number of major grid disturbance during this month	NIL	
		June-16	June-15
3	Installed Capacity of the Region (in MW)		
	(i) Grid	3477.00	3115.00
	(ii) Isolated	124.00	124.00
	Total (As on 31.05.2016)	3601.00	3239.00
4	Energy Generation in MU (Gross):		
	Thermal	146.5	---
	Hydel	614.77	504.5
	Gas	720.46	580.8
	Solar	0.60	0.40
	Total	1482.33	1085.70
5	Demand in MW:		
	Registered Peak Demand	2479	2356
	Peak Demand Met	2475	2190
	Shortage (%age)	0.16	7
6	Regional Energy (Gross) in MU:		
	Energy Requirement	1208.73	1181
	Energy Availability	1172.43	1104
	Surplus (+)/Deficit(-) (%age)	-3.14	-16.2
7	Inter Regional Energy Exchange in MU:		
	NER -----> ER	112.310	34.55
	ER -----> NER	156.059	81.20
	NER -----> NR	143.771	---
	NR -----> NER	1.619	---
	Net Import	-98.403	-46.67
8	Frequency Profile:		
	Average Frequency (Hz)	49.99	50.06
	Average Frequency Variation Index	0.042	---

9	Load Factor (in %)	58.72	

Monthly Progress Report of NERPC for the month of June 2016

03. MONTHLY POWER SUPPLY POSITION:

(i) ENERGY GENERATION IN THE REGION FOR THE MONTH OF JUNE 2016

All figures in MU

Constituents	Hydro		Coal/Oil fired		Gas Based (OC/CC)		Solar		Total (Gen)	Total (Gen)
	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net
	A	B	C	D	E	F	G	H	I	J
<u>State Sector :</u>										
Assam	44.02				100				142.02	
Meghalaya	118.15								118.15	
Mizoram	3.73								3.73	
Tripura	2.72				55.96				58.68	
Nagaland	10.65								10.65	
Total (State Sector)	179.27				155.96		0.00		333.23	
<u>Central Sector :</u>										
NEEPCO:										
Khd+Kop+Kop-II	181.3								181.3	
Kathalguri					144.6				144.6	
RC Nagar					72.6				72.6	
Doyang	27.5								27.5	
Ranganadi	152.1								152.1	
Monarchak							0.60		0.60	
NHPC:										
Loktak	74.6								74.6	
OTPC:										
Pallatana Gas PP					347.3				347.3	
NTPC:										
BgTPP			146.5						146.5	
Total (Cen. Sector)	435.5		146.5		564.5		0.60		1147.1	
Total NER	614.77		146.5		720.46		0.60		1482.33	

(ii) REQUIREMENT Vs AVAILABILITY IN THE REGION

STATES	ENERGY requirement (MU) at 50 Hz				POWER requirement (MW) at 50 Hz			
	<i>Availability & L/S at prevailing frequency</i>				<i>Availability & L/S at prevailing frequency</i>			
	Requirement	Availability	Shortfall	% Shortfall	Requirement	Availability	Shortfall	% Shortfall
Ar. Pradesh	56.51	54.91	1.599	2.83	131	130	1	0.4
Assam	853.96	822.74	31.218	3.66	1511	1458	54	3.6
Manipur	58.53	57.02	1.516	2.59	152	151	2	1.0
Meghalaya	141.78	141.78	0.000	0.00	311	312	0	0.0
Mizoram	38.58	37.75	0.836	2.17	81	80	1	1.2
Nagaland	59.36	58.23	1.131	1.91	119	119	0	0.0
Tripura	173.16*	171.46*	1.703	0.98	274.71^	273^	2	0.7
REGION	1208.73	1172.43	38.00	3.14	2479	2475	4	0.16

* Energy Requirement & Availability of Tripura including export to Bangladesh.

^ Power Requirement & Availability of Tripura excluding export to Bangladesh.

Monthly Progress Report of NERPC for the month of June 2016

(iii) ESTIMATION OF PEAK DEMAND (in MW)

Constituents	Peak Demand Met	Date	Freq (Hz)	Estimated Peak Demand at 50 Hz
Arunachal Pradesh	130	18.06.16	49.97	131
Assam	1458	11.06.16	50.03	1511
Manipur	151	24.06.16	50.04	152
Meghalaya	312	02.06.16	50.11	311
Mizoram	80	04.06.16	50.03	81
Nagaland	119	19.06.16	50.11	119
Tripura*	273	24.06.16	50.04	275
REGION	2475	03.06.16	50.13	2479

* Excluding Bangladesh

(iv) ESTIMATION OF ENERGY REQUIREMENT (in MU)

Average Frequency 49.99 Hz

Constituents	Generation	Energy Drawal from Grid		Energy Availability	Actual Requirement
		Schedule	Drawal		
Arunachal Pradesh	0.000	61.648	54.911	54.911	56.510
Assam	142.246	595.722	680.493	822.739	853.957
Manipur	0.000	61.336	57.017	57.017	58.533
Meghalaya	116.970	12.300	24.815	141.785	141.785
Mizoram	3.692	32.771	34.055	37.747	38.584
Nagaland	10.539	57.513	47.693	58.232	59.363
Tripura#	58.097	96.172	113.363	171.460	173.163
REGION	331.544	917.462	1012.347	1343.891	1381.894

Energy requirement for Tripura including export to Bangladesh.

Monthly Progress Report of NERPC for the month of June 2016

04. STATION-WISE ENERGY GENERATED (MU) AND PEAK GENERATION (MW)

S. No.	Power Stations/Units	Installed Capacity (MW)	Peak Generation (MW)	Energy Generation (MU)	
				Jun-16	Jun-15
(i) STATE SECTOR : HYDRO					
ASSAM : HYDRO					
1	LANGPI U-1	50	0	14.58	22.79
2	LANGPI U-2	50	57	29.44	18.20
TOTAL		100	57	44.02	40.99
MEGHALAYA : HYDRO					
3	UMIAM STAGE - 1 U-1	9	9	3.18	2.35
4	UMIAM STAGE - 1 U-2	9	9	3.37	2.59
5	UMIAM STAGE - 1 U-3	9	9	3.20	1.23
6	UMIAM STAGE - 1 U-4	9	9	3.35	1.35
7	UMIAM STAGE - 2 U-1	10	11	4.44	1.18
8	UMIAM STAGE - 2 U-2	10	10	2.54	2.82
9	UMIAM STAGE - 3 U-1	30	0	0.00	0.00
10	UMIAM STAGE - 3 U-2	30	30	0.00	10.79
11	UMIAM STAGE - 4 U-1	30	30	9.10	5.32
12	UMIAM STAGE - 4 U-2	30	30	11.60	6.52
13	UMTRU U-1	3	0	0.00	0.00
14	UMTRU U-2	3	0	0.00	0.00
15	UMTRU U-3	3	0	0.00	0.15
16	UMTRU U-4	3	0	0.00	0.00
17	MYNTDU-LESHKA U-1	42	42	26.41	27.33
18	MYNTDU-LESHKA U-2	42	42	25.85	25.59
19	MYNTDU-LESHKA U-3	42	42	24.31	26.85
20	SONAPANI	2	2	0.81	0.47
TOTAL		316	305	118.16	114.55
NAGALAND : HYDRO					
21	LIKIMRO - 1	8	8	3.48	2.57
22	LIKIMRO - 2	8	9	3.60	3.06
23	LIKIMRO - 3	8	9	3.57	2.99
TOTAL		24	26	10.65	8.62
MIZORAM : HYDRO					
24	SERLUI B U-1	4	4	2.41	1.47
25	SERLUI B U-2	4	4	1.32	0.00
26	SERLUI B U-3	4	0	0.00	0.00
TOTAL		12	4	3.73	1.47
TRIPURA : HYDRO					
27	GUMTI - 1	5	0	0.00	0.00
28	GUMTI - 2	5	4	1.60	0.00
29	GUMTI - 3	5	3	1.12	0.50
TOTAL		15	7	2.72	0.50
TOTAL STATE (HYDRO) :		467	399	179.28	166.13

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S. No.	Power Stations/Units	Installed Capacity (MW)	Peak Generation (MW)	Energy Generation (MU)	
				Jun-16	Jun-15
(i) STATE SECTOR : THERMAL/GAS					
MIZORAM : THERMAL					
1	BAIRABI U-1	6	0	0.00	0.00
2	BAIRABI U-2	6	0	0.00	0.00
3	BAIRABI U-3	6	0	0.00	0.00
4	BAIRABI U-4	6	0	0.00	0.00
TOTAL		24	0	0.00	0.00
TRIPURA : THERMAL					
5	BARAMURA - 1	5			
6	BARAMURA - 2	5			
7	BARAMURA - 3	6.5			
8	BARAMURA - 4	21	21	8.15	7.84
9	BARAMURA - 5	21	21	8.43	11.10
10	ROKHIA - 1	8			
11	ROKHIA - 2	8			
12	ROKHIA - 3	8	0	0.00	0.00
13	ROKHIA - 4	8	0	0.00	0.00
14	ROKHIA - 5	8	0	0.00	0.00
15	ROKHIA - 6	8	0	0.00	0.00
16	ROKHIA - 7	21	21	13.51	13.67
17	ROKHIA - 8	21	20	12.34	12.65
18	ROKHIA - 9	21	20	13.53	13.64
TOTAL		169.5	82	55.96	58.90
ASSAM : THERMAL					
19	LTPS - 1	15	0	0.00	1.14
20	LTPS - 2	15	14	3.55	4.60
21	LTPS - 3	15	14	8.29	8.23
22	LTPS - 4	15	14	3.63	7.56
23	LTPS - 5	20	22	14.04	14.04
24	LTPS - 6	20	21	11.26	11.24
25	LTPS - 7	20	19	12.79	10.54
26	LTPS - 8	37	30	18.40	13.43
27	NTPS - 1	20	20	9.38	11.79
28	NTPS - 2	21	0	0.00	9.47
29	NTPS - 3	21	17	8.00	3.09
30	NTPS - 4	11	8	2.18	1.14
31	NTPS - 5	24	13	4.76	5.56
32	NTPS - 6	22	13	3.94	6.74
33	DLF	25	0	0.00	0.00
TOTAL		301	205	100.22	108.57
TOTAL STATE (THERMAL/GAS) :		494.5	287	156.18	167.47
TOTAL STATE GEN (HY+TH/GAS)		961.5	686	335.46	333.60

Monthly Progress Report of NERPC for the month of June 2016

S. No.	Power Stations/Units	Installed Capacity (MW)	Peak Generation (MW)	Energy Generation (MU)	
				Jun-16	Jun-15
(ii) CENTRAL SECTOR : HYDRO					
1	KHANDONG - 1	25	26	14.90	15.00
2	KHANDONG - 2	25	26	15.80	15.80
3	KOPILI Stg - II	25	24	13.00	15.30
4	KOPILI - 1	50	48	32.30	31.00
5	KOPILI - 2	50	52	33.70	33.40
6	KOPILI - 3	50	48	35.3	13.20
7	KOPILI - 4	50	48	36.2	0.00
8	DOYANG - 1	25	25	9.40	1.50
9	DOYANG - 2	25	24	8.70	1.00
10	DOYANG - 3	25	25	9.50	1.50
11	LOKTAK - 1	35	36	24.90	4.00
12	LOKTAK - 2	35	37	24.90	3.30
13	LOKTAK - 3	35	36	24.70	3.90
14	RANGANADI - 1	135	136	49.50	65.70
15	RANGANADI - 2	135	135	52.60	66.30
16	RANGANADI - 3	135	137	49.90	67.50
TOTAL CS HYDRO :		860	863	435.30	335.90
(ii) CENTRAL SECTOR : THERMAL/GAS					
1	KATHALGURI - 1	34	30	20.40	20.00
2	KATHALGURI - 2	34	28	10.60	14.80
3	KATHALGURI - 3	34	29	19.40	19.20
4	KATHALGURI - 4	34	31	18.70	0.00
5	KATHALGURI - 5	34	25	17.90	19.30
6	KATHALGURI - 6	34	25	14.10	19.70
7	KATHALGURI - 7	30	24	13.50	13.00
8	KATHALGURI - 8	30	24	16.90	7.20
9	KATHALGURI - 9	30	28	13.00	14.90
10	R.C. NAGAR - 1	21	22	11.30	6.80
11	R.C. NAGAR - 2	21	23	12.40	13.80
12	R.C. NAGAR - 3	21	22	12.50	14.50
13	R.C. NAGAR - 4	21	23	12.50	14.30
14	R.C. NAGAR - 5	23	23	10.40	1.90
15	R.C. NAGAR - 6	23	25	13.50	14.60
16	MONARCHAK SOLAR PV	5		0.60	0.40
17	MONARCHAK - GTG 1	66	0	0.00	0.00
18	MONARCHAK - STG 1				
19	PALLATANA - GTG 1	232	224	119.80	23.40
20	PALLATANA - STG 1	131	123	74.50	15.40
21	PALLATANA - GTG 2	232	164	92.60	122.40
22	PALLATANA - STG 2	131	107	60.50	67.80
23	BgTPP - 1	250	243	146.50	0.00
24	BgTPP - 2				
25	BgTPP - 3				
TOTAL CS (THERMAL/GAS) :		1501	1243	711.60	426.4
TOTAL CS GEN (HY+TH/GAS)		2361	2106	1146.90	762.3
TOTAL NER GEN (HY+TH/GAS)		3322.5	2792	1482.36	1095.9

05. PLANT LOAD FACTOR (PLF)

PLANT LOAD FACTOR OF THE THERMAL/GAS STATIONS IN N.E.R.					
S. No.	Power Station	State/Constituent	Installed Capacity (MW)	Generation (in MU)	Stationwise PLF(%)
1	LTPS*	AEGCL	157.00	71.97	62.00
2	NTPS*	AEGCL	119.00	28.26	32.00
3	Baramura	Tripura	42.00	16.58	48.49
4	Rokhia	Tripura	95.00	39.38	86.81
5	AGBPP	NEEPCO	291.00	144.60	64.59
6	AGTPP	NEEPCO	84.00	48.70	73.18
7	AGTPP-2	NEEPCO	46.00	23.9	73.18
8	Monarchak	NEEPCO	66.00	0.00	0.00
9	Pallatana	OTPC	727.00	347.3	65.75
10	BgTPP	NTPC	250.00	146.5	81.18

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

06. VOLTAGE PROFILE:

A. MAXIMUM AND MINIMUM VOLTAGE (kV) OF IMPORTANT SUBSTATIONS

S. No.	NAME of SUB-STATION	MAXIMUM (kV)	MINIMUM (kV)
1	MISA 400 kV	426	390
2	BALIPARA 400 kV	426	386
3	BONGAIGAON 400 kV	422	393
4	RANGANADI 400 kV	424	398
5	PALLATANA 400 kV	426	414
6	SILCHAR 400 kV	419	399
7	BISHWANATH CHARIALI 400 kV	425	381
8	AZARA 400 kV	415	410
9	BgTPP 400 kV	429	400
10	MISA 220 kV	227	213
11	SALAKATI 220 kV	230	213
12	AGBPP 220 kV	233	224
13	MOKOKCHUNG 220 kV	235	223
14	HAFLONG 132 kV	141	125
15	AIZAWL 132 kV	135	118
16	KUMARGHAT 132 kV	136	125
17	IMPHAL 132 kV	136	125
18	KHLIEHRIAT_PG 132 kV	-	-

B. 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	96.57	3.43
BALIPARA	0.00	0.00	98.94	1.06
BONGAIGAON	0.00	0.00	99.84	0.16
RANGANADI	0.00	0.00	5.38	94.62
PALATANA	0.00	0.00	67.57	32.33
SILCHAR	0.00	0.00	100.00	0.00

07. (i) INTER - REGIONAL ENERGY EXCHANGE:

All Fig. in MU

NER to ER	112.310
ER to NER	156.059
NET IMPORT FORM ER	43.749
NER to NR	143.771
NR to NER	1.619
NET IMPORT FROM NR	-142.152
NET IMPORT	-98.403

(ii) Major Grid Disturbances:

Major Grid Disturbances during this month	No major Grid Disturbances occurred during this month
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(iv) Meetings Held by NERPC:

1. 122 nd OCC Meeting was held on 09.06.16 at Guwahati.
2. 17 th Metering Committee Meeting was held on 09.06.16 at Guwahati.
3. 3 rd NETeST Meeting was held on 10.06.2016 at Guwahati.
4. 29 th CCM Meeting was held on 22.06.2016 at Kohima.

Monthly Progress Report of NERPC for the month of June 2016

08. STATUS OF PROGRESS OF :

(i) GENERATING PROJECTS IN N E R :

Name of Generation Scheme	No. of Units	Capacity (MW)	Commissioning Schedule	Remarks
1. Monarchak STG, TGBPP, NEEPCO, Tripura	1	36 MW	July -2013	COD in March 2017
2. Tuirial HEP, NEEPCO, Mizoram	2	60x2	March-2017	Project under review
3. Kameng HEP, NEEPCO, Ar. Pradesh First two units (2x150 MW) Next two units (2x150 MW)	4	150x4	March -2017 November-2016	Work in Progress
4. Pare HEP, NEEPCO, Ar. Pradesh	2	55x2	Dec-2016	June 2017
5. Trial Operation & CoD of Monarchak GBPP of NEEPCO			November-2016	Subject to availability of gas
6. Lower Subansiri, NHPC, Ar. Pradesh	8	250x8	2016-18	i) Signed MOU with Assam Govt. ii) Law & order problem iii) Issue of Downstream Impact Assessment & Demand for stoppage of work by anti-dam activists since 2011.
7. Bongaigaon TPS, NTPC, Assam	1	250	March-2016	Unit synchronized on 22.06.15; Commissioned on 22.06.15; COD on 01.04.16
	2	250	March-2017	TG Erection started on 30.01.16; Boiler Light Up done on 27.03.16
	3	250	July-2017	Boiler Light Up to be done on Nov-16.

Monthly Progress Report of NERPC for the month of June 2016

(ii) TRANSMISSION LINES IN N E REGION :

	Name of the Line	Length (ckt kms)	Comm'ng Schedule		Total no. of locs.	Stubs complete d	Tower erected	Stringing compl- ckm	Remarks
			Ann. pl	Ant/revd					
A. Lines under ASEB:									
1	220 kV BTPS-Rangia D/C Line	326.374	Mar-13	Jun-16	517	513	508	197.88	Overall 89% completed.
2	LILO of 220 kV Samaguri-Sarusajai D/C at Sonapur (1 Ckt)	26.624	Dec-13	Jun-16	41	41	26		Water logging & harvesting are reasons to be attributed for delaying.
3	132 kV Sonapur-Jagi Road D/C	51.75	Nov-13	Jun-17	86	45	35		Delayed due to Compensation issue.
4	132 kV Sonapur-Chandrapur D/C	28.438	Nov-13	Jun-17	51	45	29		Railway Xing/ RoW/Compensation issue.
5	LILO of Rangia-Sishugram-Kahelipara Line at Kamakhya SS	0.60	May-14	May-15	2	1	0		Not yet started
6	132 kV Kukumara-Azara Line on DC tower	4.82	Dec-11	Mar-16	24	0	0	0	Slow progress. Currently water logging.
7	132 kV Hailakandi-Karimganj Line on DC tower	26	Jan-16	-	83	12	0	0	Part of material is supplied.
8	132 kV BTPS-APM Line on DC tower	42	Aug-16	Aug-17	163	25	0	0	Part of material is supplied.
9	132 kV Agia-Sonapur SC line on DC tower	102	Apr-16	-	371	85	8	0	80% & 60% of supply material reached site for Pkg. A & B respectively.
10	220 kV Sonabil-B'Chariali SC line on DC tower	39.6	June-17	220	126	0	0	0	ROW issue, Survey work is in progress.
B. Lines under MeCL:									
11	132 kV Rongkhon-Ampati D/C	33		Mar-16	102	98	95	12	Work is currently under progress.
12	LILO of 132 kV Mawlai-Cherrapunjee at Mawngap	10		Jun-16	16	15	15	5	Overall status is 90% completed.
13	LILO of 132 kV NEIGRIHMS-Khliehriat at Lad Nongkrem	6		Jul-16	9	0	0	0	Material procurement in progress.
14	LILO of 132 kV Rongkhon-Ampati at Praharinagar	20		Dec-16	34	0	0	0	Land for S/S identified and procurement process going on.
15	132 kV Killing(Byrnihat)-EPIP-I	17		Jun-16	19	19	19	22	Termination end is not ready at Killing.
C. Lines under Mizoram:									
16	132 kV Melhriat (New)-Sihmui D/C	12	Dec-12	Jun-17	30	0	0	0	Stage-I forest clearance awaited. Package under re-tendering.
17	132 kV Tuirial-Aizawl S/C	132		Mar-14					
D. Lines under TSECL:									
18	132 kV Monarchak-Surjamaninagar D/C	42		Sept-16	150	49	38	6	Work in progress
19	132 kV Surjamaninagar-Badarghat D/C	6		Aug-16	0	0	0	0	Fund proposed in World Bank.
20	132 kV Suryamaninagar-Rokhia D/C	20		Dec-14	80	32	5	0	Small portion forest clearance yet to be applied. LOA issued.
21	132 kV Suryamaninagar-Udaipur D/C	50		Jun-15	50	0	0	0	Proposed under NEC
22	132 kV Gamaitilla-Dhalabil S/C	31		Sep-13	107	101	78	17	RoW problem affected the work.

Monthly Progress Report of NERPC for the month of June 2016

23	132 kV PK Bari-Kanchanpur S/C	47		Mar-15	113	109	99	17	Stage 1 forest clearance received and compliance for condition completed.
24	LILO of 132 kV Rokhia-Udaipur at Melaghar	20		Jun-15	40	0	0	0	
25	132 kV Surjamaninagar-Udaipur D/C Line	50	June-15		50	0	0	0	Proposed under NEC
E. POWERGRID Lines:									
26	LILO of +/- 800 kV HVDC BNC-Agra at Alipurduar	24	Jan-15	Mar-17	63	53	28		Gen. project delayed. Work under progress
27	400 kV Kameng-Balipara D/C	114	Aug-13	Mar-17	149	144	128	22	ATS slowed down to match with generation. Gen. project delayed.
28	400 kV Lower Subansiri-Bishwanath Chariali D/C-I	334	Aug-13	Dec-17	444	329	228	64	Completion matching with generation. Standstill on a/c of local disturbance /agitation against big Dam. Gen. Sch. uncertain.
29	400 kV Lower Subansiri-Bishwanath Chariali D/C-II	340	Aug-13	Dec-17	465	327	196	35	Completion matching with generation. Standstill on a/c of local disturbance /agitation against big Dam. Gen. Sch. uncertain.
30	400 kV Silchar-Melhriat (New) D/C (Charged at 132 kV)	286	Dec-12	Dec-16	436	366	211	101	Major portion in forest. Severe RoW problem. Package under re-tendering.
32	LILO of 132 kV Aizawl-Zemabawk at Melhriat	30	Dec-12	Dec-16	45	0	0	0	Package under re-tendering.
33	132 kV Pasighat-Roing S/C	70	Dec-12	Mar-17	345	345	345	101	Readiness of Up & Down stream system critical for commissioning being implemented by State Deptt.
34	132 kV Tezu-Roing S/C	60	Apr-12	Mar-17	244	235	212	40	Progress affected due to severe RoW problem.
35	132 kV Tezu-Namsai S/C	90	Dec-12	Mar-17	332	394	203	41	Progress affected due to severe RoW problem.
36	LILO of 220 kV Birpara-Salakati D/C at Alipurduar (New Pooling Station)	3	Mar-17		07	06	06	02	Completion matching with Alipurduar Pooling Station.

Monthly Progress Report of NERPC for the month of June 2016

09. COMMERCIAL STATUS:

(i) DSM Receivable/Payable for the month of June 2016

Organization	Actual (MU)	Schedule (MU)	Deviation Energy (MU)	DSM Receivable (₹. in Lakh)	DSM Payable (₹. in Lakh)
Arunachal Pradesh	60.574	61.623	-1.048	0.000	5.800
ASEB	639.303	595.662	43.641	0.000	1107.200
Manipur	62.040	61.325	0.715	0.000	38.100
Meghalaya	4.013	12.300	-8.287	122.800	0.000
Mizoram	34.304	32.763	1.541	0.000	38.300
Nagaland	56.189	57.506	-1.317	2.200	0.000
Tripura	115.187	96.162	19.025	0.000	467.300
PGCIL-HVDC	0.471	1.625	-1.153	20.300	0.000

Entitlement, Schedule, Drawal and DSM Charges for the month of June 2016

Name of Beneficiaries	Entit. from scheduled energy from ISGS in NER (Ex-PP State) (in MU)	Entit. from scheduled energy from ISGS in ER (Ex-PP State) (in MU)	Total Entitlement (Ex-PP State) (in MU)	Schedule Energy against entitlement (in MU)	Schedule Drawal (for Dev A/c) (Ex-PP State) (in MU)	Actual Drawal from Grid (in MU)	Over Drawal(+)/ Under Drawal (-) (in MU)	UI Payable (-)/ Receivable (+) (including additional deviation) (₹. in Cr.)
Arunachal Pradesh	74.627	4.272	78.899	76.844	61.623	60.574	-1.048	-0.058
ASEB	513.027	104.414	617.440	565.266	595.662	639.303	43.641	-11.072
Manipur	107.979	0.000	107.979	103.220	61.325	62.040	0.715	-0.381
MeECL	131.724	0.000	131.724	62.519	12.300	4.013	-8.287	1.228
Mizoram	53.153	3.131	56.283	51.617	32.763	34.304	1.541	-0.383
Nagaland	61.703	9.459	71.162	62.804	57.506	56.189	-1.317	0.022
Tripura	157.137	0.000	157.137	147.272	96.162	115.187	19.025	-4.673
PGCIL-HVDC	1.654	0.000	1.654	1.625	1.625	0.471	-1.153	0.203

(Source: PSP, NERPC)

* In addition to total entitlement, bilateral exchanges and purchase/sell through traders/exchange are covered in Annexure-III.

(ii) Schedule for ISGS Generation for the month of June 2016

ISGS	Schedule (MWH)	Injection (MWH)
LOKTAK HEP	72524.750000	63821.780000
KHANDONG HEP	29734.250000	22923.593350
KOPILI - I HEP	135865.500000	104079.160700
KOPILI - II HEP	12711.000000	10209.916500
DHEP	26709.950000	20442.689990
RHEP	154811.750000	118394.322900
AGTCCPP	68303.229000	68303.229000
AGBPP	135104.600000	135104.600000
OTPC, PALLATANA	135475.125000	135475.125000
BgTPP	286871.978000	286871.978000

Source : Final REA for the month of June 2016.

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

States	Kopili (200 MW)	Kopili- II (25 MW)	Khando ng (50 MW)	RHEP (405 MW)	DHEP (75 MW)	AGBPP (291 MW)	AGTCC PP (130 MW)	BgTPP (250 MW)	OTPC (726.6 MW)	Loktak HEP (105 MW)
Arunachal Pradesh	5.191	5.992	4.194	18.462	6.852	5.694	6.645	5.1325	3.0303	4.940
Assam	53.455	52.355	56.285	43.328	43.808	56.503	43.907	57.420	33.058	29.445
Manipur	7.395	6.945	6.555	8.373	7.865	8.105	8.234	7.505	5.7851	42.508
Meghalaya	17.395	13.675	16.905	11.505	11.455	11.815	12.551	11.980	10.882	0.000
Mizoram	4.610	6.040	3.940	5.700	5.250	5.410	5.998	5.415	3.0303	5.020
Nagaland	6.147	5.735	6.653	5.335	17.967	5.805	5.701	4.930	3.7190	6.435
Tripura	5.807	9.258	5.468	7.297	6.803	6.668	16.964	7.618	26.9972	11.652
TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	86.5014	100.00

Share Allocation (%) in CS Stations from Eastern Region

States	Farakka-I	Kahelgaon-I	Kahelgaon-II	Talcher	Farakka-III
Assam	2.455737%	2.104847%	5.093479%	2.095419%	0.000000%
Meghalaya	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
Nagaland	0.429803%	0.424446%	0.000000%	0.424823%	0.000000%
Arunachal Pradesh	0.191917%	0.191747%	0.000000%	0.196898%	0.000000%
Mizoram	0.141736%	0.141610%	0.000000%	0.141736%	0.000000%
Assam (NVVN Coal Power)	0.091912%	0.091912%	0.091912%	0.091912%	0.091912%

Monthly Progress Report of NERPC for the month of June 2016

(iii) Details of Fixed and Energy Charges of CS Stations for FY 2015-16

Projects	Installed Capacity (MW)	Design Energy (GWh)	Annual Fixed Charge (₹. Crore)	Reference
KOPILI HEP	200	1186.14	109.8446	As per CERC order dated 13.01.2016 in petition No 46/GT/2015.
KOPILI - II	25	86.30	13.2283	As per CERC order dated 23.01.2012 in pet. No 298/2009
KHANDONG HEP	50	277.61	40.3627	As per CERC order dated 13.01.2016 in petition No 42/GT/2015.
RHEP	405	1509.69	260.4693	As per CERC order dated 05.01.2016 and corrigendum 07.03.2016 in petition No.40/GT/2015.
DHEP	75	227.24	101.5605	As per CERC order dated 13.01.2016 and corrigendum dtd. 07.03.16 in petition No 43/GT/ 2015.
AGBPP	291	NA	296.5691	As per CERC order dated 15.02.2016 in Pet. No 459/GT/ 2014& 41/GT/2015. Base Rate of energy Charge as per the CERC Order
AGTPP	84	NA	71.7633	As per CERC order dated 11.03.2011 in Pet.No 299/2009, ^Base Energy charge as per CERC order
LOKTAK HEP	105	448.00	107.1660	As per CERC order dated 22.10.2012 in RP No. 24/2011 in Pet.No 108/2010
PALLATANA	726.6	NA	763.9771	As per CERC order dated 17.06.2015 in Pet. No 129/GT/2015
BgTPP	250	NA	NA	

10. Regional Transmission Account (RTA) for the month of June 2016

Name of DIC	Demand/ Injection Zone	PoC Charges	Reliability Support Charges	HVDC Charges	Total
Arunachal Pradesh	Arunachal Pradesh	16858996.18	3833923.84	1214267.54	21907187.56
ASEB	Assam	355980410.85	26326861.72	8338155.65	390645428.22
Manipur	Manipur	26243418.04	4603484.05	1458000.08	32304902.17
MeECL	Meghalaya	80675521.19	5966433.06	1889668.74	88531622.98
Mizoram	Mizoram	33838225.35	2502537.37	792595.27	37133357.99
Nagaland	Nagaland	38509987.48	3151876.33	998251.74	42660115.55
Tripura	Tripura	32372457.07	7361857.94	2331623.04	42065938.05
HVDC BNC	Assam	728156.98	53851.53	17055.68	799064.18

11. Grid Disturbance Report

List of Important Grid Disturbances in N E Regional Grid during June 2016:

1. At 11:36 Hrs on 06.06.16 ,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines, 132 kV NEIGRIHMS - NEHU line & 132 kV NEIGRIHMS - Khliehriat (ME) line tripped. It was restored at 11:49 hrs. Outage duration: 0:13 hrs. Load Loss: 26MW. Category- GD-I. Due to tripping of these elements, Khliehriat area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.
2. At 00:45 Hrs on 09.06.16 ,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines, 132 kV Mustem-Khliehriat & 132 kV NEIGRIHMS - Khliehriat (ME) line tripped. It was restored at 03:53 hrs. Outage duration: 3:08 hrs. Generation Loss: 126 MW. Category- GD-I. Due to tripping of these elements, Khliehriat area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.
3. At 14:19 Hrs on 12.06.16 ,132 kV NEIGRIHMS - Khliehriat (ME) line,132 kV Mustem-Khliehriat line and 132 kV EPIP II - Byrnihat I&II lines tripped. It was restored at 20:46 hrs. Outage duration: 6:27 hrs. Load Loss: 112 MW. Category- GD-I. Due to tripping of these elements, Meghalaya system except Khliehriat area, Lumshnong area and Mendipathar area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.
4. At 23:04 Hrs on 16.06.16, 132 kV NEIGRIHMS - Khliehriat (ME) line, 132 kV Mustem-NEHU line and 132 kV EPIP II - Byrnihat I&II lines tripped. It was restored at 23:35 hrs. Outage duration: 0:31 hrs. Load Loss: 118 MW. Category- GD-I. Due to tripping of these elements, Meghalaya system except Khliehriat and Mendipathar area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.
5. At 00:37 Hrs on 20.06.16, 132 kV Balipara- Khupi line tripped. It was restored at 17:07 hrs. Outage duration: 41:44 hrs. Load Loss: 22 MW. Category- GD-I. Due to tripping of this element, Khupi area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.
6. At 12:46 Hr on 26.06.16,132 kV Dhaligaon-BTPS I & II lines tripped. It was restored at 19:44 hrs. Outage duration: 6:58 hrs. Load Loss: 101 MW. Category- GD-I. Due to tripping of these elements, Dhaligaon area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.
7. At 16:52 Hrs on 26.06.16,132 kV Khliehriat (PG) - Khliehriat (ME) I & II lines,132 kV Khliehriat (ME) - Mustem, 132 kV NEIGRIHMS - Khliehriat (ME) line and 132 kV Umiam St I - Umiam St III I & II lines tripped. It was restored at 16:00 hrs. Outage duration: 23:08 hrs. Load Loss: 133 MW. Category- GD-I. Due to tripping of these elements, Meghalaya system except Lumshnong load, EPIP I&II loads and Mendipathar area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.
8. At 15:36 Hrs on 27.06.16, 132 kV Jiribam - Aizwal line, 132 kV Aizwal - Kolasib line and 132 kV Aizwal - Kumarghat line tripped. It was restored at 17:50 hrs. Outage duration: 2:14 hrs. Load Loss: 58 MW. Category- GD-I. Due to tripping of these elements, Mizoram system was separated from rest of NER Grid and subsequently collapsed due to no source in this area.

Monthly Progress Report of NERPC for the month of June 2016

List of Grid Incidents in North Eastern Regional Grid during June 2016:

1. At 15:10 Hrs on 05.06.16, AGBPP Units 2, 3, 4 & 8 , Gas Compressor 1&2 tripped due to due to low gas pressure. Outage Duration: 0:30 Hrs. Generation Loss : 108 MW; Load Loss : 0 MW. Category - GI-II.
- 2 At 17:42 Hrs on 09.06.16, Ranganadi Unit 1 tripped due to problem in Generator Transformer. Outage Duration : 01:10 Hrs. Generation Loss : 110 MW; Load Loss : 0 MW. Category - GI-II.
3. At 16:53 Hrs on 14.06.16, BgTPP U I tripped due totripping of FD fan. Outage Duration:01:37 Hrs. Generation Loss : 223 MW; Load Loss : 0 MW. Category - GI-II.
4. At 23:23 Hrs on 14.06.16, Palatana GTG-1, STG-1, GTG-2& STG-2 tripped dueto tripping of Gas Booster Compressor. Outage Duration: 0:37 Hrs. Generation Loss : 376 MW; Load Loss : 0 MW. Category - GI-II.
- 5 At 07:33 Hrs on 15.05.16, Palatana GTG-2& STG-2 tripped due to Bleed valve problem. Outage Duration: 0:57 Hrs. Generation Loss : 220 MW; Load Loss : 0 MW. Category - GI-II.
6. At 00:11 Hrs on 22.06.16, Palatana STG-2 tripped due to high IP exhaust temperature. Outage Duration: 0:49 Hrs. Generation Loss : 101 MW; Load Loss : 0 MW. Category - GI-II.

ANNEXURES

&

EXHIBITS

MAJOR RESERVOIRS LEVEL OF THE MONTH :

	FRL (mtr.)	MDDL (mtr.)	Beginning of the Month		End of the Month	
			Level in mtr/ft	Energy Content in (MU)	Level in mtr/ft	Energy Content in (MU)
KHANDONG	719.3	704	718.8	21.9	719.2	21.9
KOPILI	609.5	592.83	609.3	98.2	609.1	98.2
LOKTAK	768.5	766.2	768.4	215.0	768.5	250.0
BARAPANI	3220 ft	3150 ft	3173.9 ft	10.5	3172.8 ft	9.9
GUMTI	93.55	83.6	89.5	13.4	90.3	15.4
DOYANG	333	306	307.9	1.3	313.6	10.1

A-2

Annexure - II

FREQUENCY ANALYSIS FOR THE MONTH OF JUNE 2016

Frequency	Freq. (in Hz.)	Time (H:M)	Date (D.M.Y)
1. Maximum Frequency	50.37	14:27	09.06.2016
2. Minimum Frequency	49.65	19:37	29.06.2016
3. Monthly Average	49.99		

Frequency in Hz as %age of Time for the Blocks :

f < 49.90	49.90 < f < 50.05	f > 50.05
7.63	74.09	18.28

Daily Frequency Variation Index (FVI) :

Date	FVI	Date	FVI
01-June-16	0.065	17- June -16	0.057
02- June -16	0.069	18- June -16	0.063
03- June -16	0.058	19- June -16	0.025
04- June -16	0.032	20- June -16	0.039
05- June -16	0.032	21- June -16	0.030
06- June -16	0.031	22- June -16	0.032
07- June -16	0.033	23- June -16	0.029
08- June -16	0.035	24- June -16	0.037
09- June -16	0.033	25- June -16	0.056
10- June -16	0.037	26- June -16	0.042
11- June -16	0.035	27- June -16	0.034
12- June -16	0.044	28- June -16	0.029
13- June -16	0.039	29- June -16	0.042
14- June -16	0.043	30- June -16	0.027
15- June -16	0.047	Average FVI	0.042
16- June -16	0.072		

A-3

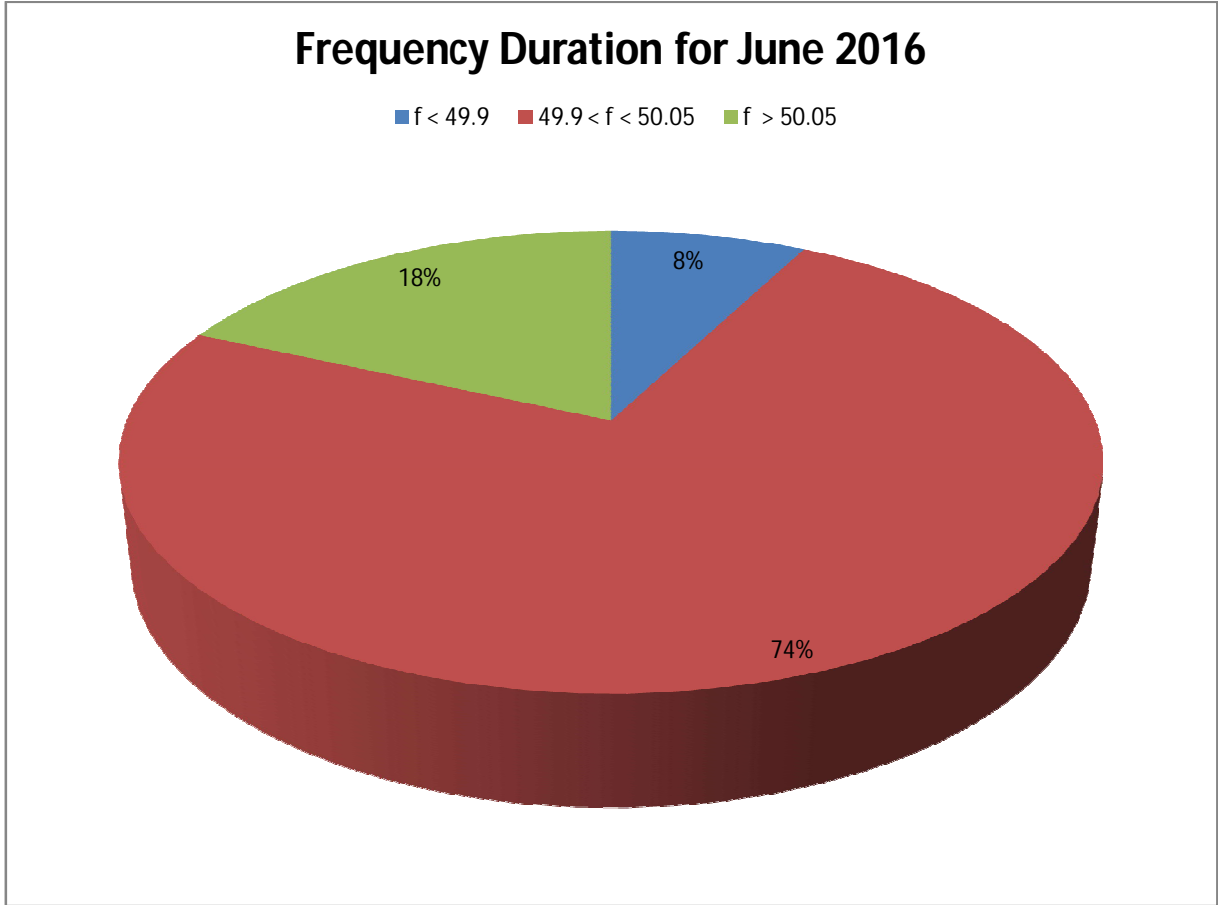
Annexure - III

Consolidated Scheduled Bilateral Exchanges in NE Region during June 2016

Name of Trader	Energy at NER periphery (in MWH)
MPPL	47866.915
APPCPL	52141.145
OTPC	45970
NVVN	3264.584874

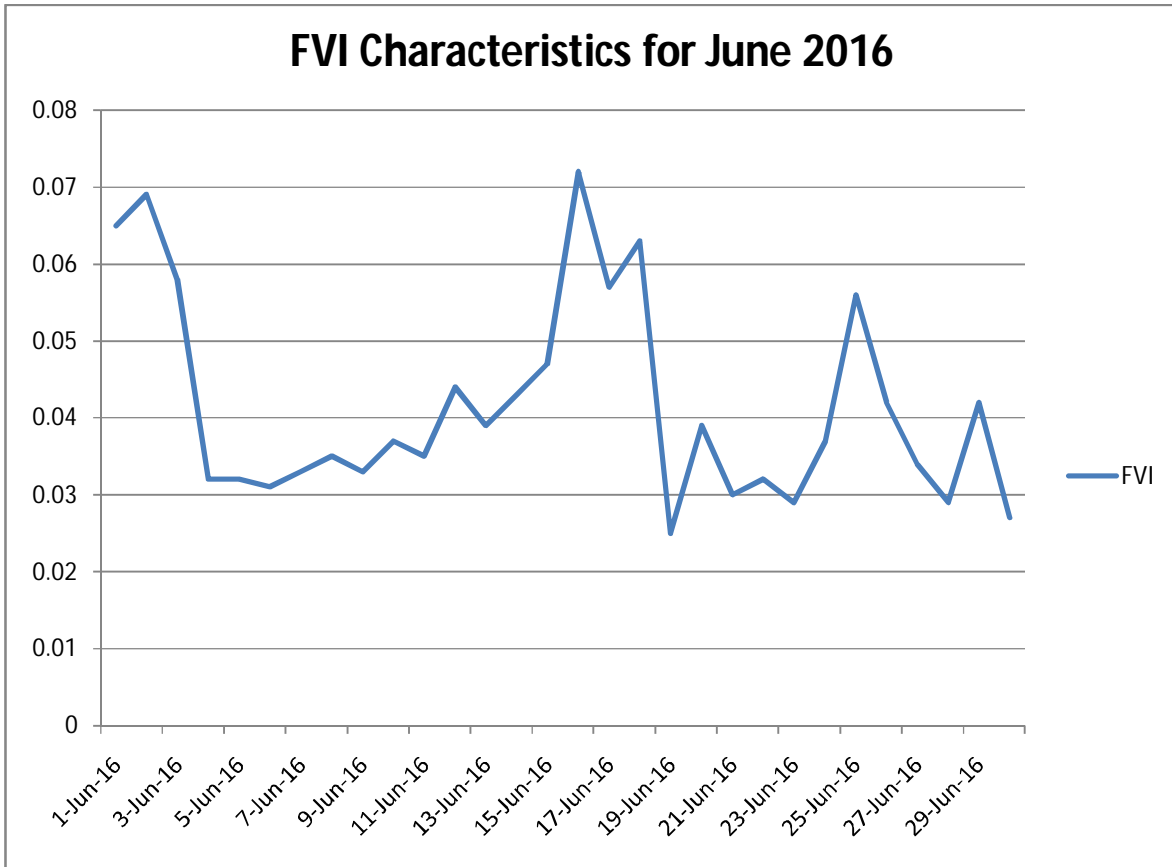
B-1 (i)

Exhibit - I



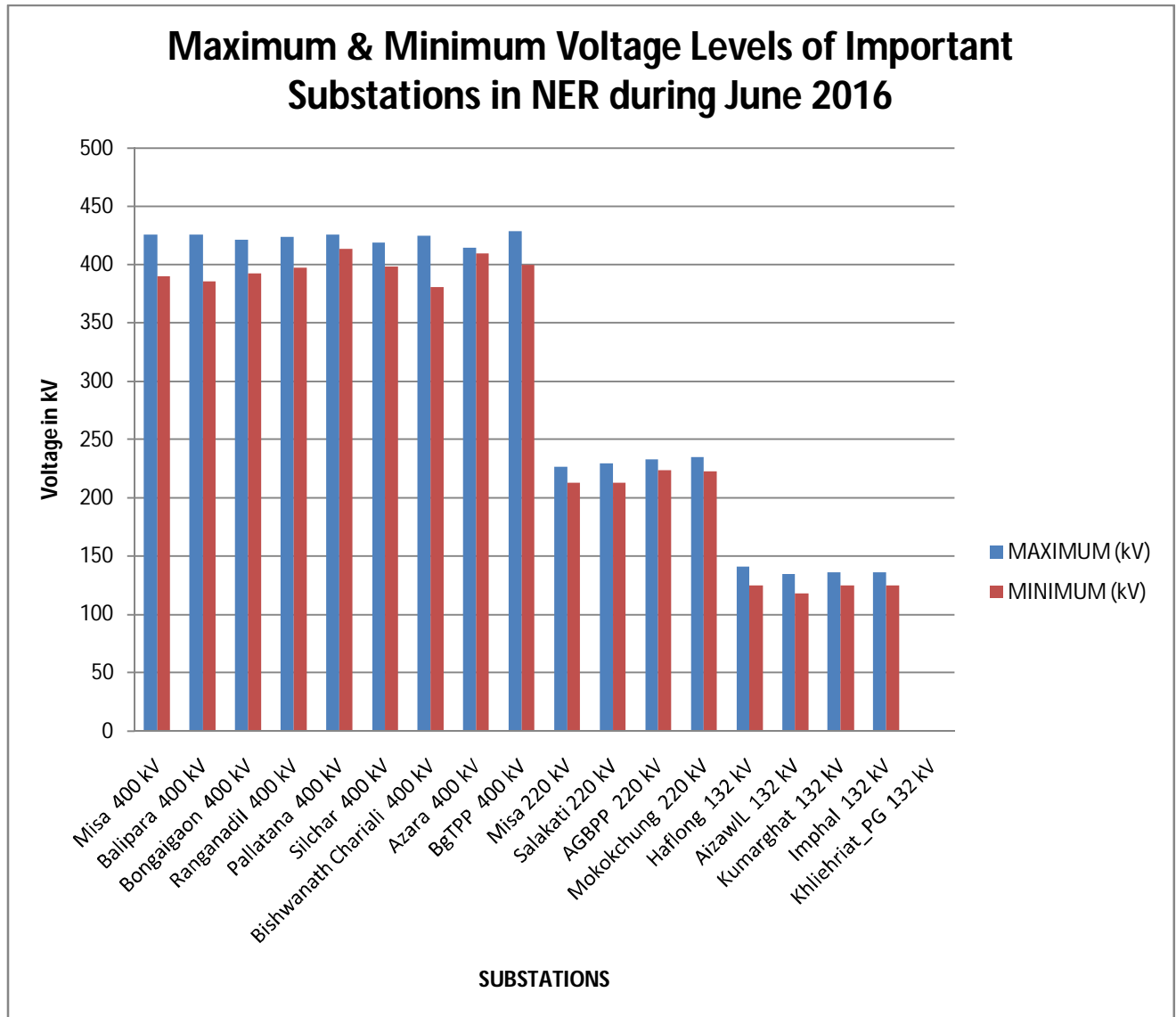
B-1 (ii)

Exhibit - II



B-2

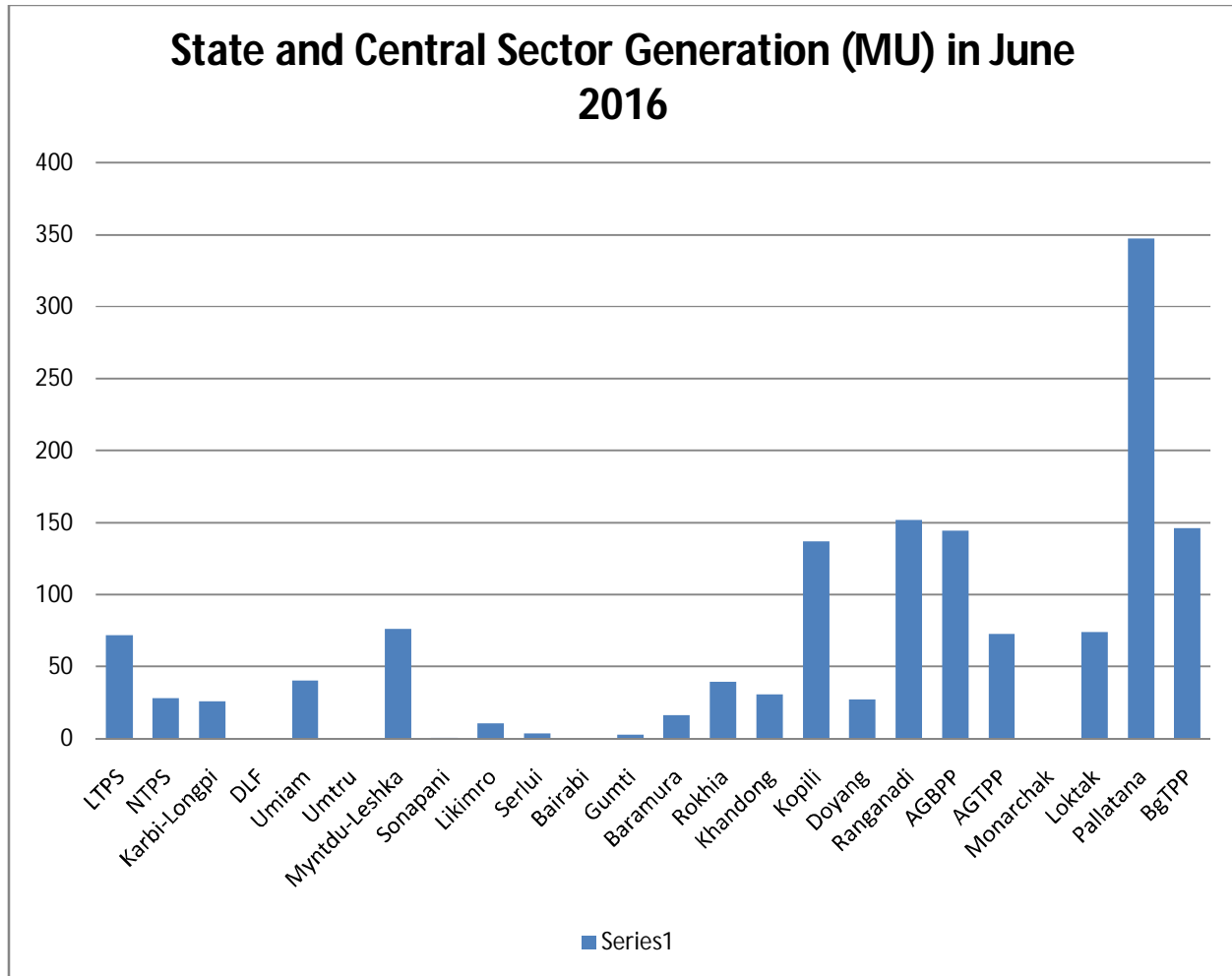
Exhibit - III



B-3 Energy Generation

(i) Energy Generation by Constituents during the month.

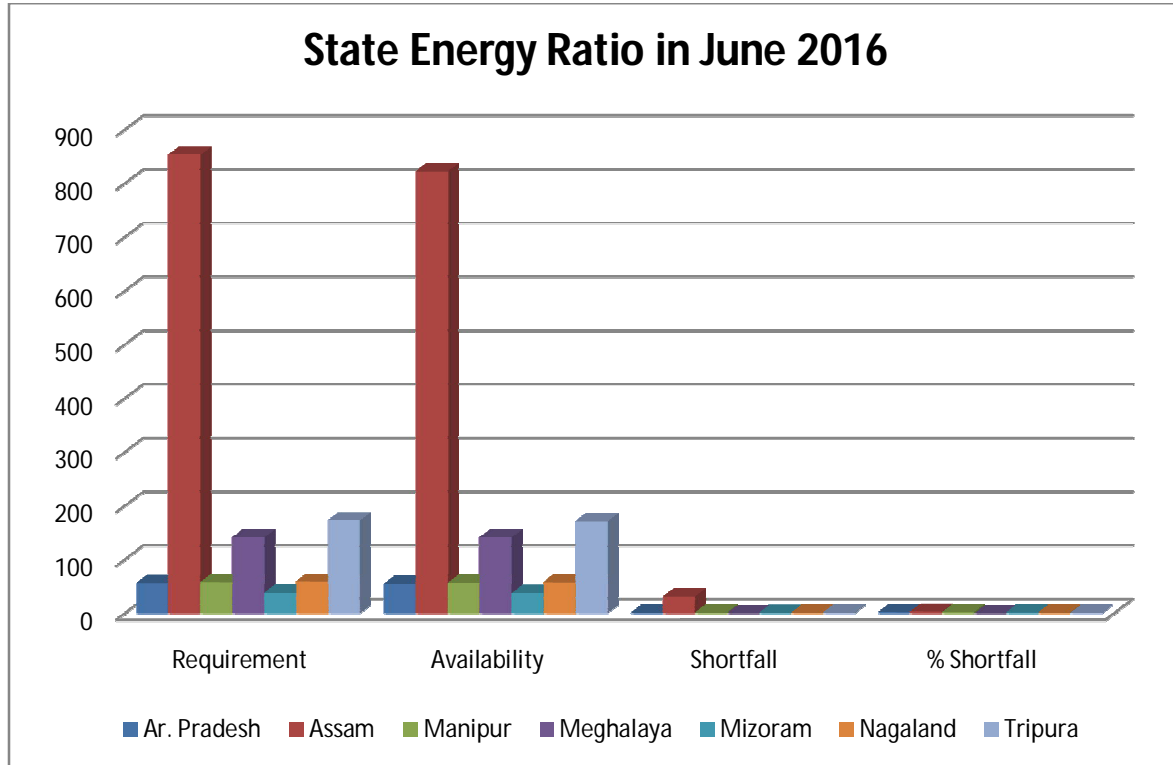
Exhibit - IV



B-3 Energy Generation

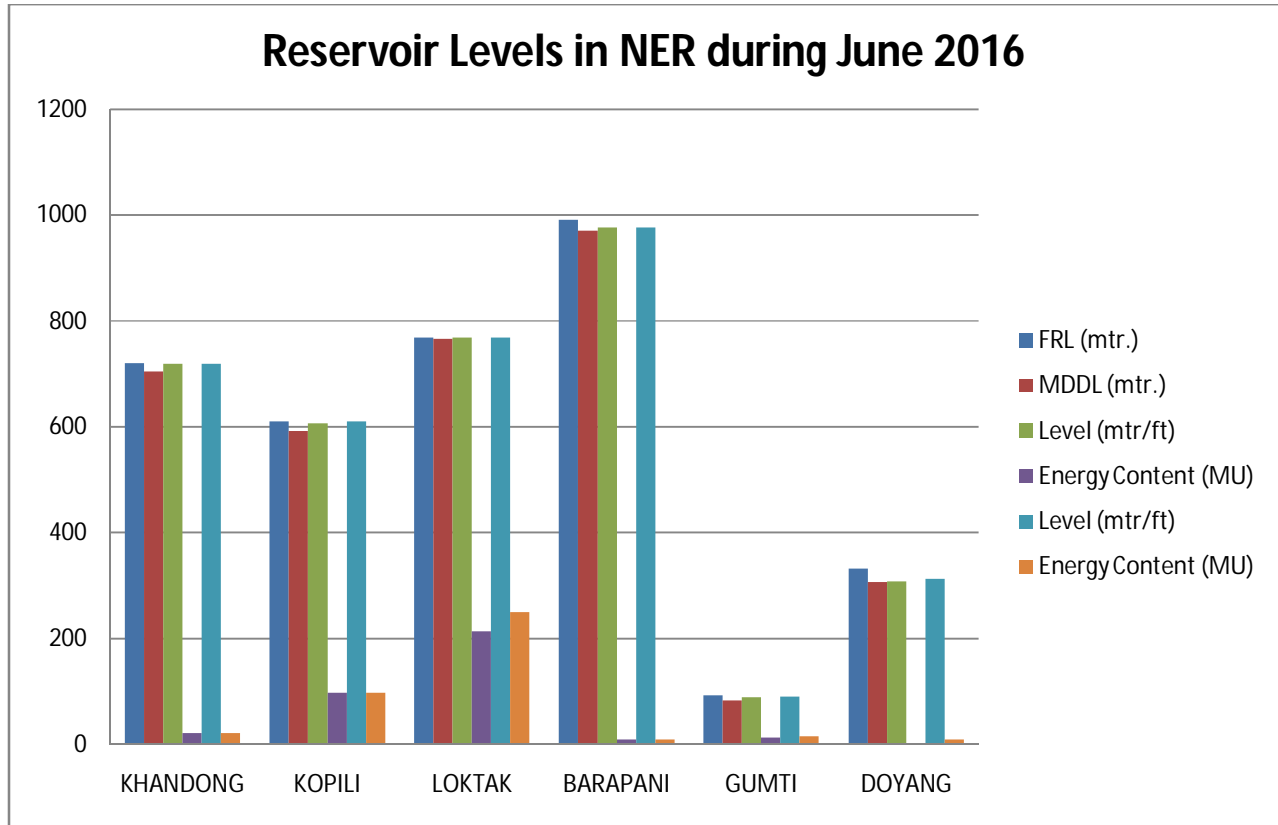
(ii) Energy Scenario of States during the month

Exhibit - V



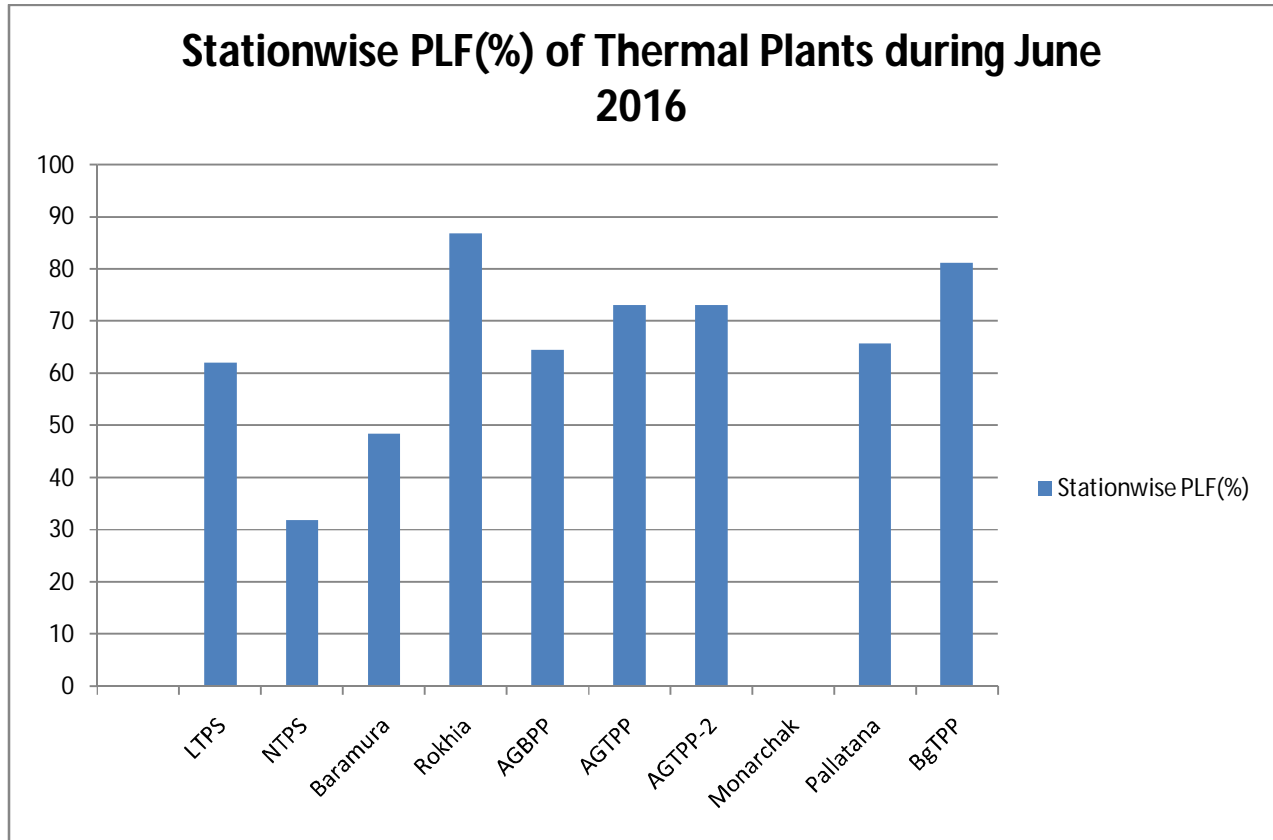
B-4 Reservoir Profile

Exhibit - VI



B-5 Station-wise Plant Load Factor

Exhibit - VII



LTPS	-	62.00%
NTPS	-	32.00%
Baramura	-	48.49%
Rokhia	-	86.81%
AGBPP	-	64.59%
AGTPP	-	73.18%
AGTPP-2	-	73.18%
Monarchak	-	0.00%
Pallatana	-	65.75%
BgTPP	-	81.18%

Energy Bilateral Exchanges during the month of June 2016

NERPC, Shillong				Page No. :			
Rev. Bilateral Exchanges for June 2016				1/9			
				Dated 29th July 2016			
A. Details of Scheduled Bilateral Exchanges within the Region							
Sl.No.	From	To	Trader	Energy (At Seller Periphery) (MWH)	Energy (At NER-ER Periphery) (MWH)	Energy (At Buyer Periphery) (MWH)	Approval No.
1	Tripura (Baramura-IV)	Manipur		-3420.000000		-3333.505521	
2	Tripura (Baramura-IV)	Mizoram		-3420.000000		-3324.999981	
3	Tripura (Baramura-V)	Manipur		-3420.000000		-3333.505521	
4	Tripura (Baramura-V)	Mizoram		-3420.000000		-3324.999981	
5	ASEB	POWERGRID^		306.591500	^ The actual energy consumed by POWERGRID		
6	ASEB	NTPC*		132.606243	* The actual energy consumed by NTPC		
7	Palatana (OTPC)	APDCL	OTPC	45981.690000	45170.000000	44598.680000	2310/F
8	Palatana (OTPC)	APDCL	OTPC	326.560000	320.000000	315.200000	2317/D
9	Palatana (OTPC)	APDCL	OTPC	489.840000	480.000000	472.800000	2318/D
10	Meghalaya	Assam	APPCPL	4329.120000	4305.600000	4251.600000	2305/F
11	Meghalaya	Manipur	MPPL	-300.750000	-300.000000	294.750000	2313/C

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Rev. Bilateral Exchanges for June 2016

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B. Scheduled Bilateral Exchange with SEBs / Organisations in other Regions

Sl.No.	From	To	Trader	Energy (At Seller Periphery) (MWH)	Energy (At NER-ER Periphery) (MWH)	Energy (At Buyer Periphery) (MWH)	Approval No.
							2309/F
1	HPSEB	APDCL	MPPL		3392.640000	3355.680000	
2	HPSEB	APDCL	MPPL		1979.040000	1955.520000	2312/F
3	HPSEB	APDCL	MPPL		1979.040000	1948.800000	2314/F
4	HPSEB	APDCL	MPPL		1130.880000	1113.600000	2315/F
5	APDCL	GRIDCO	APPCPL	-30939.600000	-30780.000000		11597/F
6	APDCL	PSEB	APPCPL	-15240.897500	-15151.042500		N32858/A
7	MSPDCL	UPPCL	MPPL	-30.44	-30.000000		33674-S
8	MSPDCL	CESC	MPPL	-567.14	-560.000000		11696/C
9	MSPDCL	CESC	MPPL	-1355.2	-1338.250000		11703/C
							11710/D
10	MSPDCL	CESC	MPPL	-1134.44	-1118.000000		
11	MSPDCL	UPPCL	MPPL	-91.320000	-90.000000		33859/D
							11725/D
12	MSPDCL	CESC	MPPL	-704.522500	-694.250000		
13	MSPDCL	HPPC	MPPL	-735.192500	-722.675000		32868
14	MSPDCL	CESC	MPPL	-710.360000	-700.000000		11717/C
15	MSPDCL	UPPCL	MPPL	-223.240000	-220.000000		33882-S
16	MSPDCL	HPPC	PTC	-735.192500	-722.675000		32864
17	MSPDCL	UPPCL	MPPL	-40.590000	-40.000000		33887-S
18	MSPDCL	CESC	MPPL	-653.277500	-643.750000		11731/D
19	MSPDCL	HPPC	MPPL	-142.395000	-140.322500		33939-D
20	MSPDCL	HPPC	MPPL	-54.075000	-53.277500		34003-D
21	MSPDCL	CESC	MPPL	-6268.780000	-6160.000000		11742/F
22	MSPDCL	UPPCL	MPPL	-45.425000	-44.762500		33906-D
23	MSPDCL	CESC	MPPL	-1047.155000	-1032.000000		11739/C

25	MSPDCL	HPPC	PTC	-66.775000	-65.805000	33992-D
26	MSPDCL	HPPC	MPPL	-94.132500	-92.500000	34027-D
27	MSPDCL	HPPC	PTC	-79.135000	-77.745000	34049-D

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Sl.No.	From	To	Trader	Energy (At Seller Periphery) (MWH)	Energy (At NER-ER Periphery) (MWH)	Energy (At Buyer Periphery) (MWH)	Approval No.
							34073-D
28	MSPDCL	HPPC	PTC	-56.560000	-55.570000		
29	MSPDCL	HPPC	PTC	-13.190000	-12.967500		34089-D
30	MSPDCL	HPPC	MPPL	-55.067500	-54.105000		34125-D
31	MSPDCL	HPPC	MPPL	-76.647500	-75.310000		34156-D
32	MSPDCL	CESC	MPPL	-243.502500	-239.250000		11807/D
33	MSPDCL	HPPC	PTC	-93.235000	-91.542500		34197-D
34	MSPDCL	HPPC	PTC	-197.367500	-193.810000		34231-D
35	MSPDCL	HPPC	MPPL	-174.457500	-171.330000		34256-S
36	MSPDCL	HPPC	PTC	-157.535000	-154.702500		34278-D
37	MSPDCL	HPPC	MPPL	-142.195000	-140.140000		33921-S
38	MSPDCL	HPPC	PTC	-143.115000	-141.000000		33955-S
39	MSPDCL	UPPCL	MPPL	-99.885000	-98.435000		33973-D
40	MSPDCL	CESC	MPPL	-68.247500	-67.250000		11754/D
41	MSPDCL	HPPC	PTC	-115.485000	-113.500000		34031-D
42	MSPDCL	HPPC	MPPL	-65.017500	-63.880000		34060-D
43	MSPDCL	HPPC	MPPL	-10.592500	-10.410000		34091-D
44	MSPDCL	HPPC	PTC	-67.200000	-66.020000		34123-D
45	MSPDCL	HPPC	PTC	-93.395000	-91.762500		34155-D
46	MSPDCL	HPPC	PTC	-91.095000	-89.500000		34183-D
47	MSPDCL	HPPC	MPPL	-75.972500	-74.610000		34200-D
48	MSPDCL	HPPC	MPPL	-162.607500	-159.675000		34234-S
49	MSPDCL	HPPC	PTC	-238.290000	-234.000000		34254-D

50	MSPDCL	HPPC	MPPL	-128.350000	-126.050000	34281-D
51	MSPDCL	HPPC	PTC	-170.520000	-168.000000	33924-S
52	MSPDCL	HPPC	PTC	-190.720000	-187.930000	33967-D
53	MSPDCL	HPPC	MPPL	-5.910000	-5.830000	34004-D
54	MSPDCL	HPPC	MPPL	-72.512500	-71.250000	34185-D

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Sl.No.	From	To	Trader	Energy (At Seller Periphery) (MWH)	Energy (At NER-ER Periphery) (MWH)	Energy (At Buyer Periphery) (MWH)	Approval No.
55	MSPDCL	UPPCL	MPPL	-76.3425	-75.237500		33928-S
56	MSPDCL	UPPCL	MPPL	-115.85	-114.170000		34011-S
57	MePDCL	CESC	MPPL	-703.22	-700.000000		11611/D
58	MePDCL	CESC	MPPL	-703.22	-700.000000		11615/D
59	MePDCL	CESC	MPPL	-703.22	-700.000000		11626/D
60	MePDCL	CESC	MPPL	-703.22	-700.000000		11643/D
61	MePDCL	CESC	MPPL	-220.990000	-220.000000		11658/D
62	MePDCL	BYPL	APPCPL	-60.160000	-60.000000		33749-S
63	MePDCL	CESC	MPPL	-421.120000	-420.000000		11678/D
64	MePDCL	CESC	MPPL	-421.120000	-420.000000		11685/D
65	MePDCL	CESC	MPPL	-421.120000	-420.000000		11690/D
66	MePDCL	CESC	MPPL	-561.400000	-560.000000		11695/D
67	MePDCL	CESC	MPPL	-904.79	-902.500000		11702/D
68	MePDCL	CESC	MPPL	-703.22	-700.000000		11709/D
69	MePDCL	CESC	MPPL	-703.22	-700.000000		11716/C
70	MePDCL	CESC	MPPL	-703.22	-700.000000		11724/D
71	MePDCL	HPPC	PTC	-1820.9975	-1808.180000		32859
72	MePDCL	UPPCL	MPPL	-50.23	-50.000000		33673-S
73	MePDCL	CESC	MPPL	-70.315	-70.000000		11622/C

74	MePDCL	BYPL	APPCPL	-140.36	-140.000000	33780-S
75	MePDCL	UPPCL	MPPL	-50.23	-50.000000	33838-S
76	MePDCL	BYPL	APPCPL	-60.28	-60.000000	AP-33865-S
77	MePDCL	UPPCL	MPPL	-150.69	-150.000000	33881-S
78	MePDCL	HPPC	MPPL	-3438.205	-3414.572500	32866
79	MePDCL	UPPCL	MPPL	-50.23	-50.000000	33841-S
80	MePDCL	UPPCL	MPPL	-150.69	-150.000000	33885-S
81	MePDCL	UPPCL	MPPL	-37.415	-37.247500	33905-D

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Sl.No.	From	To	Trader	Energy (At Seller Periphery) (MWH)	Energy (At NER-ER Periphery) (MWH)	Energy (At Buyer Periphery) (MWH)	Approval No.
82	MePDCL	HPPC	MPPL	-665.575000	-662.585000		33937-D
83	MePDCL	CESC	MPPL	-241.120000	-240.000000		11749/D
84	MePDCL	HPPC	PTC	-133.755000	-133.140000		33993-D
85	MePDCL	CESC	MPPL	-241.840000	-240.000000		11757/D
86	MePDCL	CESC	MPPL	-322.400000	-320.000000		11765/D
87	MePDCL	HPPC	MPPL	-215.427500	-213.810000		34074-D
88	MePDCL	CESC	MPPL	-403.040000	-400.000000		11776/D
89	MePDCL	CESC	MPPL	-403.040000	-400.000000		11798/D
90	MePDCL	CESC	MPPL	-83.880000	-83.250000		11800/C
91	MePDCL	HPPC	PTC	-188.010000	-186.497500		34198/D
92	MePDCL	CESC	MPPL	-403.200000	-400.000000		11820/D
93	MePDCL	HPPC	PTC	-488.105000	-484.205000		34253-D
94	MePDCL	HPPC	MPPL	-599.940000	-595.127500		34280-D
95	MePDCL	BYPL	APPCPL	-40.180000	-40.000000		33850/S

96	MePDCL	BYPL	APPCPL	-180.800000	-180.000000	33891-S
97	MePDCL	UPPCL	MPPL	-37.880000	-37.705000	33907-D
98	MePDCL	CESC	MPPL	-200.880000	-200.000000	11738/C
99	MePDCL	HPPC	MPPL	-734.202500	-730.900000	33976-D
100	MePDCL	HPPC	MPPL	-252.657500	-251.530000	33997-D
101	MePDCL	HPPC	PTC	-235.527500	-233.750000	34032-D
102	MePDCL	HPPC	PTC	-160.887500	-159.680000	34048-D
103	MePDCL	HPPC	PTC	-114.030000	-113.172500	34072-D
104	MePDCL	HPPC	PTC	-26.237500	-26.037500	34088-D
105	MePDCL	HPPC	PTC	-136.280000	-135.255000	34122-D
106	MePDCL	HPPC	MPPL	-358.307500	-355.640000	34157-D
107	MePDCL	HPPC	PTC	-182.375000	-181.000000	34182-D
108	MePDCL	HPPC	MPPL	-355.130000	-352.300000	34199/D

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Sl.No.	From	To	Trader	Energy (At Seller Periphery) (MWH)	Energy (At NER-ER Periphery) (MWH)	Energy (At Buyer Periphery) (MWH)	Approval No.
							34232-D
109	MePDCL	HPPC	PTC	-402.275000	-399.070000		
110	MePDCL	HPPC	MPPL	-815.602500	-809.055000		34257-S
111	MePDCL	HPPC	PTC	-317.585000	-315.037500		34277-D
112	MePDCL	CESC	MPPL	-522.380000	-520.000000		11730/D
113	MePDCL	HPPC	PTC	-283.730000	-282.435000		33954-S
114	MePDCL	HPPC	PTC	-388.290000	-386.935000		33969-D
115	MePDCL	UPPCL	APPCPL	-5.640000	-5.620000		34006-D
116	MePDCL	HPPC	MPPL	-443.562500	-440.250000		34033-D
117	MePDCL	HPPC	MPPL	-303.917500	-301.640000		34059-D
							11769/D
118	MePDCL	CESC	MPPL	-403.040000	-400.000000		

119	MePDCL	HPPC	MPPL	-49.552500	-49.177500	34092-D
						34124-D
120	MePDCL	HPPC	MPPL	-257.442500	-255.512500	
121	MePDCL	HPPC	PTC	-189.657500	-188.245000	34154-D
122	MePDCL	HPPC	MPPL	-344.842500	-342.250000	34184-D
123	MePDCL	CESC	MPPL	-403.200000	-400.000000	11813/D
124	MePDCL	HPPC	MPPL	-760.002500	-753.905000	34235-S
125	MePDCL	CESC	MPPL	-403.200000	-400.000000	11830/D
126	MePDCL	CESC	MPPL	-403.200000	-400.000000	11834/D
127	MePDCL	HPPC	MPPL	-688.680000	-685.560000	33920-S
128	MePDCL	UPPCL	MPPL	-129.880000	-129.290000	33972-D
129	MePDCL	UPPCL	APPCPL	-245.490000	-244.380000	34009-S
130	MePDCL	CESC	MPPL	-120.920000	-120.000000	11759/C
131	MePDCL	BYPL	APPCPL	-171.280000	-170.000000	34086-S
132	MePDCL	BYPL	APPCPL	-105.790000	-105.000000	34113-S
133	MePDCL	CESC	MPPL	-403.040000	-400.000000	11788/D
134	MePDCL	BYPL	APPCPL	-201.507500	-200.000000	34169-S
135	MePDCL	BYPL	APPCPL	-27.207500	-27.002500	34187-S

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Sl.No.	From	To	Trader	Energy (At Seller Periphery) (MWH)	Energy (At NER-ER Periphery) (MWH)	Energy (At Buyer Periphery) (MWH)	Approval No.
							34244-S
136	MePDCL	BYPL	APPCPL	-151.200000	-150.000000		
137	MePDCL	HPPC	PTC	-288.360000	-287.040000		33925-S
138	MePDCL	BYPL	APPCPL	-181.380000	-180.000000		34136-S
139	MePDCL	BYPL	APPCPL	-321.440000	-320.000000		33923-S
140	MePDCL	BYPL	APPCPL	-22.672500	-22.500000		34148-S
141	Rajasthan Solar(Assam) - SECI *				3653.920000	3653.920000	

142	Rajasthan Solar(Assam) - NVVN		669.207500	669.207500
143	Bundled Coal Power (Rajasthan Solar) - Assam	3264.584874	3241.850000	3200.578075

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C. Scheduled Energy from Eastern Region

Sl.No.	From	To	Energy (At Seller Periphery) (MWH)	Energy (At NER-ER Periphery) (MWH)	Energy (At Buyer Periphery) (MWH)
1	Farakka* Kahalgaon	Ar. Pradesh	1984.036982	1965.090000	1939.980000
2	1*	Ar. Pradesh	1021.314822	1011.570000	1000.002500
3	Talcher*	Ar. Pradesh	1211.019752	1195.930000	1181.020000
4	Farakka* Kahalgaon	Assam	24642.382684	24395.122500	24087.330000
5	1*	Assam	10456.312198	10377.425000	10245.622500
6	Kahalgaon 2*	Assam	42538.130674	42217.620000	41686.420000
7	Talcher*	Assam	13039.005777	12875.692500	12711.767500
8	Farakka 3*	Assam	59.947761	59.377500	58.592500
9	Farakka* Kahalgaon	Mizoram	1484.235277	1468.725000	1435.582500
10	1*	Mizoram	763.884777	758.542500	742.075000
11	Talcher*	Mizoram	882.488557	870.835000	850.990000
12	Farakka* Kahalgaon	Nagaland	4504.147357	4459.640000	4358.422500
13	1*	Nagaland	2295.084084	2277.317500	2225.045000
14	Talcher*	Nagaland	2659.988085	2626.905000	2567.802500

D. Collective transactions through IEX Power Exchange (-ve means injection, +ve means drawal)

Sl.No.	From	To	Energy (At Seller Periphery) (MWH)	Energy (At NER-ER Periphery) (MWH)	Energy (At Buyer Periphery) (MWH)
1	Ar. Pradesh			380.400000	374.590000
2	Ar. Pradesh		-15595.917500	-15541.655000	
3	Nagaland		-5358.217500	-5247.025000	
4	APDCL			51321.297500	50669.415000
5	APDCL		-36428.400000	-36230.745000	
6	MSPDCL		-30719.522500	-30261.017500	
7	MePDCL		-19678.312500	-19575.757500	
8	MePDCL			5287.950000	5202.695000
9	Mizoram		-25503.847500	-24919.650000	
10	Nagaland			61.000000	59.640000
11	Tripura		-37429.732500	-37236.282500	
12	AGBPP(NEEPCO)		-13498.542500	-13427.572500	
13	Kopili(NEEPCO)		-11990.820000	-11927.792500	
14	AGTCCPP(NEEPCO)		-7619.407500	-7578.572500	
15	RHEP(NEEPCO)		-12547.315000	-12383.310000	
16	DHEP(NEEPCO)		-2448.727500	-2396.977500	

Details of operation of UFR (Under Frequency Relay)

**** There was no report of UFR operation in the month of June 2016.**