



सं/No. NERPC/MPR/2017/

दिनांक/Date: 20.11.2017

सेवा में,
To

संलग्नक सूचि के अनुसार
As per enclosed list.

विषय: उ.पू.क्षे.वि.स. की मार्च 2017 की मासिक प्रगति रिपोर्ट
Subject: Monthly Progress Report of NERPC for the month of **March 2017**.

महोदय,
Sir,

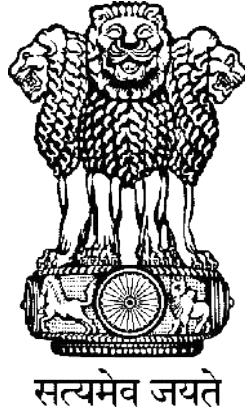
उत्तर पूर्वी क्षेत्रीय विद्युत समिति की मार्च 2017 की मासिक प्रगति रिपोर्ट आपके अवलोकनार्थ हेतु हमारा वेबसाइट www.nerpc.nic.in में अपलोड की गई है ।

The Monthly Progress Report of the North Eastern Regional Power Committee for the month of March 2017 is uploaded in our office website www.nerpc.nic.in for your perusal.

भवदीय / Yours faithfully,

संलग्न : यथोपरि
Encl: as above

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



Progress Report for the month of March 2017

Government of India
Ministry of Power
North Eastern Regional Power Committee
Shillong

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Brief highlights of North Eastern Regional Power System for the month of March 2017

- The maximum unrestricted demand during the month of March 2017 was 2236MW, which was 2243MW in the month of February 2017. The peak demand met in NER during the period under review was 2200MW, which was 2234 MW in the previous month.
- The energy requirement during the month of March 2017 was 1212.53 MU, which was 1137.11 MU in the month of February 2017. The energy availability in NER during the period under review was 1178.80MU, which was 1118.86MU in the previous month.
- The maximum, minimum & average system frequency were 50.34 (14-March-17), 49.66 (23-March-17) & 49.99 Hz respectively. The maximum, minimum & average FVI were 0.065, 0.032 & 0.044 respectively. The average FVI was same as its previous month's figure of 0.044. (Refer Annex-II).
- Maximum export of power from NER to ER was 970 MW (on 16.03.17 at 18:00 Hrs) and that from ER to NER was 675 MW (on 18.03.17 at 3:30 Hrs). The same Inter-Regional Exchanges of NER with NR and vice versa were 505 MW (on 03.03.17 at 13:45 Hrs.) and 492 MW (on 04.03.17 at 01:45 Hrs) respectively. Total net energy import during the month was 45.18MU (-129.82 MU from ER and 175 MU from NR).

Salient Features of North Eastern Regional Grid for March 2017

1	New Unit/Transmission Line/Transformer commissioned during this month	LILO of (+/-) 800 kV HVDC BiswanathChariyali-Agra at Alipurduar.	
2	Number of major grid disturbance during this month	0	
3	Installed Capacity of the Region (in MW) *	March-17	March-16
	(i) Grid	3522.00	3477.00
	(ii) Isolated	124.00	124.00
	Total (As on 31.03.2017)	3646.00	3601.00
4	Energy Generation in MU (Gross):		
	Thermal/Gas	922.12	891.31
	Hydel	198.85	124.97
	Solar	0.60	0.60
	Total	1191.57	1016.88
5	Demand in MW:		
	Registered Peak Demand	2236	2442
	Peak Demand Met	2200	2367
	Shortage (%age)	1.6	3.17
6	Regional Energy (Gross) in MU:		
	Energy Requirement	1212.53	1207
	Energy Availability	1178.80	1142
	Surplus (+)/Deficit(-) (%age)	-2.86	-5.69
7	Inter Regional Energy Exchange in MU:		
	NER -----> ER	137.16	43.65
	ER -----> NER	12.38	165.8
	NER -----> NR	0.00	101.91
	NR -----> NER	276.78	53.8
	Net Import	151.99	74.04
8	Frequency Profile:		
	Average Frequency (Hz)	49.99	50.06
	Average Frequency Variation Index	0.044	-

*The installed capacity of NER as on 01.10.2016 as furnished by the constituents is : Grid = 3362.3MW and isolated is 109.51 MW. Total NER= 3471.81MW

Monthly Power Supply Position

1. Energy Generation In The Region For the Month of March 2017

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		
State Sector :												
Assam	11.75				107.8					119.55		
Meghalaya	23.38				38.51					61.89		
Mizoram	2.66									2.66		
Tripura	3.42				42.91					46.33		
Nagaland	18.74									18.74		
Total (S. Sector)	59.95				189.22			0		249.17		
Central Sector :												
NEEPCO:												
Khd+Kop+Kop-II	53.3									53.3		
Kathalguri (AGBPP)					130.6					130.6		
RC Nagar					71.6					71.6		
Doyang	4.4									4.4		
Ranganadi	47.8									47.8		
Monarchak					45		0.6			45.6		
NHPC:												
Loktak	33.4									33.4		
OTPC:												
Pallatana Gas PP					415.6					415.6		
NTPC:												
BgTPP			140.1							140.1		
Total (C. Sector)	138.9		140.1		662.8		0.6			942.4		
Total NER	198.85		140.1		852.02		0.6			1191.57		

2. 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	64.85	63.96	0.89	1.39	139	138	1	0.9
Assam	658.43	630.82	27.61	4.38	1392	1391	1	0.1
Manipur	67.19	66.17	1.02	1.54	160	158	2	1.4
Meghalaya	167.21	167.16	0.05	0.03	298	298	0	0
Mizoram	45.61	44.68	0.93	2.08	96	94	2	2.2
Nagaland	61.48	60.50	0.98	1.62	123	122	1	0.7
Tripura	147.75	145.50	2.25	1.55	228	228	0	0
REGION	1212.53	1178.80	33.73	2.86	2236	2200	36	1.6

3. Estimation Of Peak Demand (In MW)

Constituents	Peak Demand Met	Date	Freq (Hz)	Estimated Peak Demand at 50 Hz
Arunachal Pradesh	138	10.03.17	49.95	139
Assam	1391	23.03.17	50.08	1392
Manipur	158	17.03.17	49.96	160
Meghalaya	298	17.03.17	49.97	298
Mizoram	94	22.03.17	49.95	96
Nagaland	122	07.03.17	50.03	123
Tripura*	228	03.03.17	50.07	228
REGION	2200	22.03.17	49.97	2236

4. Estimation of Energy Requirement (In MU)

Constituents	Generation	Energy Drawal from Grid		Energy Availability	Actual Requirement
		Schedule	Drawal		
Arunachal Pradesh	0	60.529	63.965	63.96	64.85
Assam	119.55	482.322	513.109	630.82	658.43
Manipur	0	71.191	66.168	66.17	67.19
Meghalaya	61.89	114.268	105.887	167.16	167.21
Mizoram	2.66	39.622	42.050	44.68	45.61
Nagaland	18.74	52.736	56.801	60.50	61.48
Tripura	46.33	56.331	55.369	145.50	147.75
REGION	249.17	876.999	903.349	1178.80	1212.53

*Tripura(excluding Bangladesh)

Station-Wise Energy Generated (MU) and Peak Generation (MW)

S. No.	Power Stations/Units	Installed Capacity (MW)	Peak Generation (MW)	Energy Generation (MU)	
				Mar-17	Mar-16
(i) STATE SECTOR : HYDRO					
ASSAM : HYDRO					
1	LANGPI U-1	50	48	2.32	5.5
2	LANGPI U-2	50	50	9.43	4.57
TOTAL		100	98	11.75	10.07
MEGHALAYA : HYDRO					
3	UMIAM STAGE - 1 U-1	9	9	1.14	1.95
4	UMIAM STAGE - 1 U-2	9	9	0.32	3.04
5	UMIAM STAGE - 1 U-3	9	9	0.60	2.83
6	UMIAM STAGE - 1 U-4	9	9	1.01	2.29
7	UMIAM STAGE - 2 U-1	10	10	0.68	3.46
8	UMIAM STAGE - 2 U-2	10	10	0.92	1.74
9	UMIAM STAGE - 3 U-1	30	32	2.12	0
10	UMIAM STAGE - 3 U-2	30	0	0	8.44
11	UMIAM STAGE - 4 U-1	30	32	2.24	5.26
12	UMIAM STAGE - 4 U-2	30	30	1.12	5.65
13	UMTRU U-1	3	0	0	
14	UMTRU U-2	3	0	0	
15	UMTRU U-3	3	0	0	
16	UMTRU U-4	3	0	0	
17	MYNTDU-LESHKA U-1	42	44	2.36	1.62
18	MYNTDU-LESHKA U-2	42	41	5.44	0.32
19	MYNTDU-LESHKA U-3	42	42	5.01	0.63
20	SONAPANI	2	2	0.42	0.38
TOTAL		316	279	23.38	37.61
NAGALAND : HYDRO					
21	LIKIMRO - 1	8	8	1.91	0.97
22	LIKIMRO - 2	8	8	15.0	0.48
23	LIKIMRO - 3	8	8	1.83	1.08
TOTAL		24	24	18.74	2.52
MIZORAM : HYDRO					
24	SERLUI B U-1	4	4	1.9	1.14
25	SERLUI B U-2	4	4	0.10	1.09
26	SERLUI B U-3	4	4	0.66	0
TOTAL		12	12	2.66	2.23
TRIPURA : HYDRO					
27	GUMTI - 1	5	0	0	0
28	GUMTI - 2	5	5	3.42	0.28

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29	GUMTI - 3	5	0	0	0.86
TOTAL		15	5	3.42	1.14
TOTAL STATE (HYDRO) :		467	413	59.95	53.57
Sr. No.	Power Stations/Units	Installed Capacity (MW)	Peak Generation (MW)	Energy Generation (MU)	
				Mar-17	Mar-16
(i) STATE SECTOR : THERMAL/GAS					
MIZORAM : THERMAL					
1	BAIRABI U-1	6	0	0	0
2	BAIRABI U-2	6	0	0	0
3	BAIRABI U-3	6	0	0	0
4	BAIRABI U-4	6	0	0	0
TOTAL		24	0	0	0
TRIPURA : THERMAL					
5	BARAMURA - 1	5			
6	BARAMURA - 2	5			
7	BARAMURA - 3	6.5			
8	BARAMURA - 4	21	22	9.55	0.97
9	BARAMURA - 5	21	21	5.58	14.27
10	ROKHIA - 1	8			
11	ROKHIA - 2	8			
12	ROKHIA - 3	8	0	0	0
13	ROKHIA - 4	8	0	0	0
14	ROKHIA - 5	8	0	0	0
15	ROKHIA - 6	8	0	0	0
16	ROKHIA - 7	21	22	14.52	14.52
17	ROKHIA - 8	21	21	1.45	12.59
18	ROKHIA - 9	21	21	11.83	13.76
TOTAL		169.5	107	42.91	56.10
MEGHALAYA PRIVATE : THERMAL(COAL)					
19	MPL	53	52	28.70	0
20	SHYAM CENTURY	14	15	9.81	0
TOTAL		67	67	38.51	0
ASSAM : THERMAL					
21	LTPS - 1	15	0	0	0
22	LTPS - 2	15	15	9.58	5.03
23	LTPS - 3	15	17	8.74	7.29
24	LTPS - 4	15	17	0.0	8.60
25	LTPS - 5	20	22	15.42	14.82
26	LTPS - 6	20	22	10.07	12.95
27	LTPS - 7	20	22	13.91	13.21
28	LTPS - 8	37	37	17.54	20.14
29	NTPS - 1	20	20	0.24	8.35
30	NTPS - 2	21	21	8.99	8.97
31	NTPS - 3	21	21	9.73	11.38
32	NTPS - 4	11	11	2.18	4.0
33	NTPS - 5	24	24	6.24	4.90
34	NTPS - 6	22	22	4.57	6.27

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35	DLF	25	9	.59	0
TOTAL		301	280	107.8	126
TOTAL STATE (THERMAL/GAS) :		561.5	454	189.22	182.10
TOTAL STATE GEN (HY+TH/GAS)		1028.5	867	249.17	235.67

S. No.	Power Stations/Units	Installed Capacity (MW)	Peak Generation (MW)	Energy Generation (MU)	
				Mar-17	Mar-16
(ii) CENTRAL SECTOR : HYDRO					
1	KHANDONG - 1	25	25	1.4	0.3
2	KHANDONG - 2	25	25	3.0	2.5
3	KOPILI Stg - II	25	25	6.7	0
4	KOPILI - 1	50	50	14.0	0
5	KOPILI - 2	50	0	0	0
6	KOPILI - 3	50	50	16.6	0
7	KOPILI - 4	50	50	11.7	0
8	DOYANG - 1	25	25	0.5	1.3
9	DOYANG - 2	25	26	1.8	0.7
10	DOYANG - 3	25	27	2.1	1.3
11	LOKTAK - 1	35	38	11.6	6.3
12	LOKTAK - 2	35	39	13.1	2.3
13	LOKTAK - 3	35	38	8.8	7.6
14	RANGANADI - 1	135	135	15.1	15.7
15	RANGANADI - 2	135	135	17.2	15.7
16	RANGANADI - 3	135	135	15.5	17.6
TOTAL CS HYDRO :		860	823	138.9	71.4
(ii) CENTRAL SECTOR : THERMAL/GAS					
1	KATHALGURI - 1	34	32	23.0	18.3
2	KATHALGURI - 2	34	31	20.5	14.4
3	KATHALGURI - 3	34	0	0	20.5
4	KATHALGURI - 4	34	33	8.7	22.4
5	KATHALGURI - 5	34	32	18.4	15.0
6	KATHALGURI - 6	34	32	21.3	20.8
7	KATHALGURI - 7	30	27	18.9	13.6
8	KATHALGURI - 8	30	22	3.2	19.0
9	KATHALGURI - 9	30	27	16.7	14.4
10	R.C. NAGAR - 1	21	22	10.5	13.1
11	R.C. NAGAR - 2	21	23	13.3	14.8
12	R.C. NAGAR - 3	21	22	10.1	12.8
13	R.C. NAGAR - 4	21	22	14.3	11.2
14	R.C. NAGAR - 5	23	25	11.8	12.2
15	R.C. NAGAR - 6	23	25	11.5	10.4
16	MONARCHAK SOLAR PV	5	5	0.6	0.6
17	MONARCHAK - GTG 1	66	67	36	0
18	MONARCHAK - STG 1	34	33	9	0
19	PALLATANA - GTG 1	232	216	110.7	107.8

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20	PALLATANA - STG 1	131	121	74.8	74.2
21	PALLATANA - GTG 2	232	230	145.5	112.3
22	PALLATANA - STG 2	131	122	84.6	75.7
23	BgTPP - 1	250	246	140.1	107.0
24	BgTPP - 2				
25	BgTPP - 3				
TOTAL CS (THERMAL/GAS) :		1505	1377	663.4	709.9
TOTAL CS GEN (HY+TH/GAS)		2365	2200	942.4	781.3
TOTAL NER GEN (HY+TH/GAS)		3393.5	3067	1191.57	1016.97

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)	StationwisePLF(%)
1	LTPS*	AEGCL	157.00	75.27	71.26
2	NTPS*	AEGCL	119.00	31.94	35.92
3	Baramura	Tripura	42.00	15.12	49.06
4	Rokhia	Tripura	95.00	27.79	62.07
5	AGBPP	NEEPCO	291.00	130.6	56.80
6	AGTPP	NEEPCO	84.00	71.6	71.51
7	AGTPP-2	NEEPCO	46.00		
8	Monarchak	NEEPCO	100.00	45	74.96
9	Pallatana	OTPC	727.00	415.6	76.24
10	BgTPP	NTPC	250.00	140.1	78.00

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

Voltage Profile

1. Maximum and Minimum Voltage (KV) Of Important Substations

S. No.	NAME of SUB-STATION	MAXIMUM (kV)	MINIMUM (kV)
1	MISA 400 kV	421	394
2	BALIPARA 400 kV	423	392
3	BONGAIGAON 400 kV	420	391
4	RANGANADI 400 kV	432	380
5	PALLATANA 400 kV	425	397
6	SILCHAR 400 kV	423	393
7	BISHWANATH CHARIALI 400 kV	426	389
8	AZARA 400 kV	415	410
9	BgTPP 400 kV	428	399
10	MISA 220 kV	227	21
11	SALAKATI 220 kV	245	211
12	AGBPP 220 kV	242	197
13	MOKOKCHUNG 220 kV	241	221
14	AIZAWL 132 kV	140	118
15	IMPHAL 132 kV	141	125
16	Byrnihat 400kV	425	400
17	Kahilipara 132kV	148	129
18	Nirjuli 132kV	145	126

2. 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	0	91.04	8.96
BALIPARA	0	0	99.59	0.41
BONGAIGAON	0	0	99.99	0.01
PALATANA	0	0	100.00	0
SILCHAR	0.01	0	99.42	0.57
Azara	0	0	99.49	0.51
BiswanathCharali	0	0	99.00	1.00
BgTPP	0	0	95.30	4.70
Byrnihat	0	0	100.00	0

**Inter-Regional Energy Exchange, Major Grid Disturbance and Meetings held by
 NERPC**

1. Inter-Regional Energy Exchange

All Fig. in MU

NER to ER	184.12
ER to NER	54.3
NET IMPORT FROM ER	-129.82
NER to NR	0.00
NR to NER	175
NET IMPORT FROM NR	175
NET IMPORT	45.18

2. Major Grid Disturbances:

No Major Grid Disturbance observed during the month.

3. Meetings Held by NERPC:

Sr. No.	Meeting	Date	Venue
1.	130 th OCC Meeting	17.03.2017	Guwahati
2.	25 th Metering Meeting	17.03.2017	Guwahati

Status of Progress

1. Generating Projects in NER

Progress of Thermal Power Generation Projects in NER					
Central Sector					
Sr. No.	Plant	Units	Capacity in MW	Commissioning Schedule	Remarks
1	Bongaingaon NTPC	2nd	2x250	Mar-17	<ul style="list-style-type: none"> It is synchronised on 13.02.2017.
		3rd		Jul-17	<ul style="list-style-type: none"> Boiler Drum Lifting Feb'13 & Boiler Hydro test Mar'14 Next Milestone : Boiler Light Up Nov'16
2	Tripura Gas Based Power Project Monarchak	1	65.4(GTG-I) 35.5(STG-I)		Commissioned on 31.03.2017.

Progress of Hydro Power Generation Projects in NER					
Central Sector					
Sr. No.	Plant	Units	Capacity in MW	Commissioning Schedule	Remarks
1	Subhansiri Lower (Ar. Pradesh/NHPC)	8	8x250	Syn. Comm: 2016-18	<ol style="list-style-type: none"> Signing of MoU with State Government of Assam Law & Order problem Issue of Downstream Impact Assessment & demand for stoppage of works by anti-dam activists. Since 16.12.2011 work.
2	Kameng (Ar. P/NEEPCO)	4	4x150	Oct-17	Work in Progress
3	Pare (Ar. P/NEEPCO)	2	2x55	July-17	Work in Progress
4	Tuirial (Ar. P/NEEPCO)	2	2x30	Oct-17	Work in Progress
5	Demwe Lower (Ar. P)	6	5x342; 1x40	2016-17	
State Sector					
1	New UmtruMeGPCL	2	2x20	2014-15	Slow progress of civil works.
2	Ganol SHP (MePGCL)	3	3x7.5	Oct-15	LOI issued on 22nd Dec,2012. Work Order is being issued.

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3	Lakroh MHP (MePGCL)	1	1.5		Delayed due to rain.
4	Myntriang SHP stg1	2	2x3	Dec-15	
5	Myntriang SHP stg2	2	2x1.5	Aug-14	

2. Transmission Lines In NER

Progress of Transmission Lines in NER									
POWERGRID									
Sr. No.	Name of Lines	Total length in Km	Construction Progress				Target Date		Remarks
			TL (nos)	STC (nos)	TE (nos)	STG (in km)	Schedule	Revised	
1	LILO of (+/-) 800 kV HVDC BiswanathC hariyali-Agra at Alipurduar	44	64	64	64	44	Jan-15	Mar-17	Commissioned on 03/2017
2	400 kV Kameng-Balipara D/C	114	150	147	141	85	Aug-13	Dec-17	ATS slowed down to the extent possible to match with generation of Kameng. Gen.proj.
3	400 kV Lower Subansiri-BiswanathC hariyali D/C I	335	444	329	228	64	Aug-13	Mar-18	Completion matching with Gen.(Sch.uncertain). Works Standstill on account of local disturbance/agitation against big dam.Generation schedule uncertain.
4	400 kV Lower Subansiri-BiswanathC hariyali D/C II	348	465	327	196	35	Aug-13	Mar-18	Completion matching with Gen.(Sch.uncertain). Works Standstill on account of local disturbance/agitation against big dam.Generationschedule uncertain.
5	400 kV Silchar-Melriat(New) D/C (Charged at 132 kV)	288	456	416	324	137	Dec-12	Feb-18	Major portion of line in forest. severeROWin vicinity of Aizawl town due to stiffresistance from influential localowner. Packagere-awarded in Jun'16.
6	132 kV	30	16	10	6	0	Dec-12	Feb-18	Package re-awarded

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	Aizawl (PG) - Zemabawk at Melriat (PG)									in Jun'16. Work commenced.
7	LILO of 132 kV Zemabawk - W.Phaileng at	5	0	0	0	0		Dec-13		
8	132 kV Pasighat-Roing S/C	102	347	347	346	103	Dec-12	Sep-17		Readiness of up &downsteam system beingimplemented by Arunachal Pradesh Govt Critical.
9	132 kV Tezu-Roing S/C	73	244	244	244	72	Apr-12	Sep-17		Line checking under progress.
10	132 kV Tezu-Namsai S/C	96	332	323	314	69	Dec-12	Feb-18		Progress affected due to severe ROW Problem.
TSECL										
11	132 kV Monarchak-Surajmani Nagar D/C	50	150	112	52	12.11	Jun-14	Mar-17		Work in Progress
12	132 kV Surjyamani Nagar-Badarghat D/C	6		0	0	0		Aug-16		Fund proposed in World Bank.
13	132 kV Surjyamani Nagar(TSECL)-Rokhia DC	32.319	85	64	48	4.738	Nov-14	Mar-14		3.598 km line in forest land for whichTSECL will supply for forest clearance.LOA issued.
14	132 kV GamaiTilla - Dhalabil	31	107	101	78	17		Sep-13		ROW problems affected the work
15	132 kV P K Bari - Kanchanpur	47	113	109	99	17		Mar-15		All works completed in non forestland.Stage I clearance received and compliancefor conditions completed.
MePTCL										
16	132 kV New Umtru-Norbong(EPI P II) S/C	1	7	7	7	1		Mar-17		Delay in supply of conductor by the vendor.
MeECL										

Monthly Progress Report March 2017

17	LILO of 132 kV Mawlai-Cherrapunje at Mawngap	10	16	15	15	5		Dec-16	Work held up due to ROW problem. The PHED,GOMe has complained and filed and FIR against Loc No. 3 to 8. Overall status is 90% completed.
18	LILO of 132 kV NEIGRIHMS - Khliehriat at Lad Nongkrem	6	7	7	4	0		Nov-17	Delay in supply of materials for line by the vendor.
19	LILO of 132 kV Rongkhon - Ampati at Praharinagar	20	30	0	0	0		Sep-18	Survey works for 132 kV LILO is completed.
20	132 kV Killing (Byrnihat) - EPIP I	17	19	19	19	21.75		Jun-17	Work 98% completed on 11.02.2016 except at the tapping point.
Mizoram									
21	132 kV Melriat (New) - Sihmui	12	23	8	4	0		Dec-12 Feb 18	Package re-award in Jun'16. Work commenced
AEGCL									
22	BTPS - Rangia D/C line	326.374	517	513	509	210.78		Mar'13 June'17	1. Overall 89%completed.A. All normal foundation completed.B. 5 nos. of Pile foundation completed.
23	LILO of one Ckt. of Samaguri - Sarusajai D/C line at Sonapur sub-station	26.624	43	41	38			Dec'13 June'17	Water logging & harvesting are reasons to be attributed for delaying.
24	Agia - Matia (Dudhnoi) S/C line on D/C tower	23.5	87	87	87	23.5		Nov'13	Test charged on 29.06.2016
25	132 kV DC Sonapur-Jagiroad Tr. Line.	51.75	103	89	64			Nov'13 June'17	Compensation/ROW Issue.
26	132 kV DC Sonapur-	28.438	53	50	46			Nov'13 June'17	Railway X'ing/ ROW/ Compensation issue.

	Chandrapur Tr. Line								
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Commercial Status

1. Entitlement, Schedule, Drawal and DSM Charges for the month of March 2017

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Name of states	Entitlement from ISGS in NER (in MU)	Entitlement from ISGS in ER (in MU)	Total Entitlement (in MU)	Scheduled 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)	Dev Payable (-) / Receivable (+) (including additional deviation) (Rs. In Cr)
Arunachal Pradesh	46.513	4.013	50.526	49.035	60.529	63.965	3.436	-0.907
ASEB	396.496	103.859	500.355	455.315	482.322	513.109	30.786	-9.895
Manipur	74.170	0.000	74.170	61.589	71.191	66.168	-5.023	0.678
MeSEB	102.314	0.000	102.314	78.945	114.268	105.887	-8.381	1.168
Mizoram	39.836	2.938	42.774	40.957	39.622	42.050	2.428	-0.688
Nagaland	43.575	8.902	52.477	49.364	52.736	56.801	4.065	-1.169
Tripura	155.630	0.000	155.630	140.456	56.331	55.369	-0.962	-1.661
PGCIL-HVDC	1.741	0.000	1.741	0.789	0.789	0.470	-0.319	0.053

(Source: PSP, NERPC)

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

2. Schedule for ISGS Generation for the month of March 2017

ISGS	Schedule (MU)	Injection (MU)
LOKTAK HEP	67.44	70.91
KHANDONG HEP	41.01	33.10
KOPILI - I HEP	31.12	
KOPILI - II HEP	4.09	
DHEP	6.39	0
RHEP	3.93	4.33
AGTCCPP	119.89	126.72
AGBPP	46.57	47.34
OTPC, PALLATANA	397.70	403.10
BgTPP	132.02	129.60

3. 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)	AGTCCPP (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	6.702	5.1325	3.0303	4.940
Assam	53.455	52.355	56.285	43.328	43.808	56.503	43.720	57.420	33.058	29.445
Manipur	7.395	6.945	6.555	8.373	7.865	8.105	8.225	7.505	5.7851	42.508
Meghalaya	17.395	13.675	16.905	11.505	11.455	11.815	12.633	10.980	10.882	0.000
Mizoram	4.610	6.040	3.940	5.700	5.250	5.410	6.0	5.415	3.0303	5.020
Nagaland	6.147	5.735	6.653	5.335	17.967	5.805	5.737	4.930	3.7190	6.435
Tripura	5.807	9.258	5.468	7.297	6.803	6.668	16.983	7.6175	26.9972	11.652
TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	98.995	86.5019	100.00

4. 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%

5. 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
KOPI LI HEP	200	1186.14	109.8446	As per CERC order dated 13.01.2016 in petition No 46/GT/2015.
KOPI LI - 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.

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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.No299/2009,^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	

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Name of DIC	Demand/ Injection Zone	PoC Charges	Reliability Support Charges	HVDC Charges	Total
Arunachal Pradesh	Arunachal Pradesh	18616987.36	4240623.29	1398100.23	24255710.89
ASEB	Assam	370402294.84	29119593.33	9600501.47	409122389.64
Manipur	Manipur	28413206.87	5091817.81	1678732.39	35183757.07
MeECL	Meghalaya	83943939.82	6599347.32	2175753.04	92719040.17
Mizoram	Mizoram	35209118.09	2768004.45	912589.35	38889711.90
Nagaland	Nagaland	44344906.69	3486224.75	1149380.95	48980512.40
Tripura	Tripura	26058383.31	8142797.71	2684616.52	36885797.54
HVDC BNC	Assam	757656.90	59564.05	19637.80	836858.75

List of Important Grid Disturbances in N E Regional Grid during March 2017

1. At 13:32 hrs on 04.03.17 , 132 kV Rangandi-BiswanathChariali line 2 tripped. It was restored at 14:08 hrs. Outage duration: 0:36 hrs. Load Loss: 39 MW. Category- GD-I. Due to tripping of this line,Ziro and capital area of Arunachal Pradesh and part of Gohpur area of Assam were separated from rest of NER Grid and subsequently collapsed due to no source in this area.
2. At 08:33 Hrs on 05.03.2017 ,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I &II lines tripped. It was restored at 08:50 hrs. Outage duration: 0:17 hrs. Load Loss: 82MW. Category- GD-I. Due to tripping of these elements, Khliehriat area was separated from restof NER Grid and subsequently collapsed due to load generation mismatch.
3. At 13:54 Hrs on 20.03.17, 400 kV Silchar-Palatana D/C lines,132 kV AGTPP-Kumarghat line, 132 kV Gamaitilla-Ambassa line & 132 kV Agartala-Dhalabil line tripped. It was restored at 14:54 hrs. Outage duration: 2:00 hrs. Load Loss: 215 MW, Generation Loss: 757 MW. Category- GD-II. Tripura System except P K Bari area along with AGTPP,Palatana&Bangladesh systems (PK Bari,Kamalpur&Ambassa substations) separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.

Annexures and Exhibits

Annexure - I

A-1

Major Reservoirs Level of The Month

	FRL (mtr.)	MDDL (mtr.)	March 2017	March 2016
			Level in	Level in mtr/ft

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			mtr/ft	
KHANDONG	719.3	704	714.7	708.4
KOPILI	609.5	592.83	598.5	598.7
LOKTAK	768.5	766.2	767.1	762.2
BARAPANI	3220 ft	3150 ft	3174.0	3187.5
GUMTI	93.55	83.6	89.5	89.6
DOYANG	333	306	311.5	305.9

Annexure - II

A-2

Frequency Analysis For The Month of March 2017

Frequency	Freq. (in Hz.)	Date (D.M.Y)
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1. Maximum Frequency	50.34	14.03.2017
2. Minimum Frequency	49.66	23.03.2017
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
8.95	73.55	17.50

Daily Frequency Variation Index (FVI):

Date	FVI	Date	FVI
01-03-2017	0.041	17-03-2017	0.047
02-03-2017	0.033	18-03-2017	0.032
03-03-2017	0.033	19-03-2017	0.038
04-03-2017	0.035	20-03-2017	0.052
05-03-2017	0.039	21-03-2017	0.060
06-03-2017	0.035	22-03-2017	0.059
07-03-2017	0.033	23-03-2017	0.065
08-03-2017	0.033	24-03-2017	0.063
09-03-2017	0.030	25-03-2017	0.036
10-03-2017	0.039	26-03-2017	0.042
11-03-2017	0.040	27-03-2017	0.064
12-03-2017	0.038	28-03-2017	0.060
13-03-2017	0.038	29-03-2017	0.049
14-03-2017	0.043	30-03-2017	0.039
15-03-2017	0.039	31-03-2017	0.050
16-03-2017	0.053		

Annexure - III

A-3

Consolidated Scheduled Bilateral Exchanges in NE Region during March 2017

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Name of Trader	Energy at NER periphery (in MWH)
MPPL	16609.2475
APPCL	12000.00
NVVN	150.00
IELX	475.00
OTPC	47011.25

Exhibit - I

B-1

Frequency Duration for March 2017

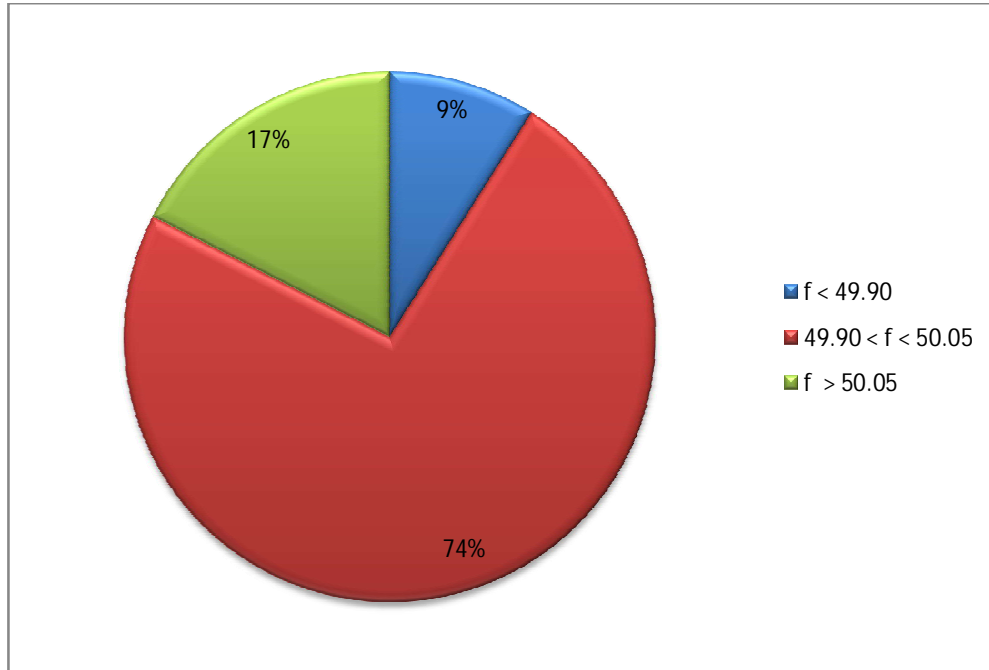
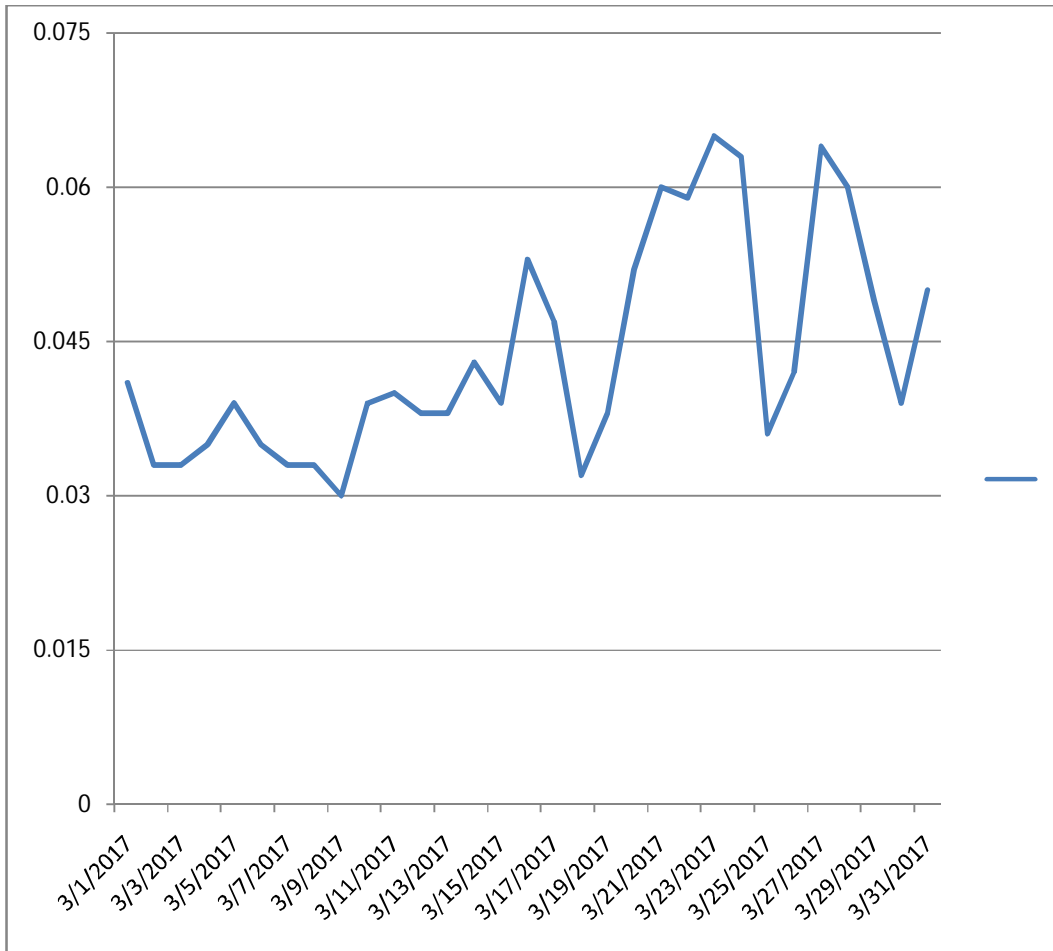


Exhibit - II

B- 2

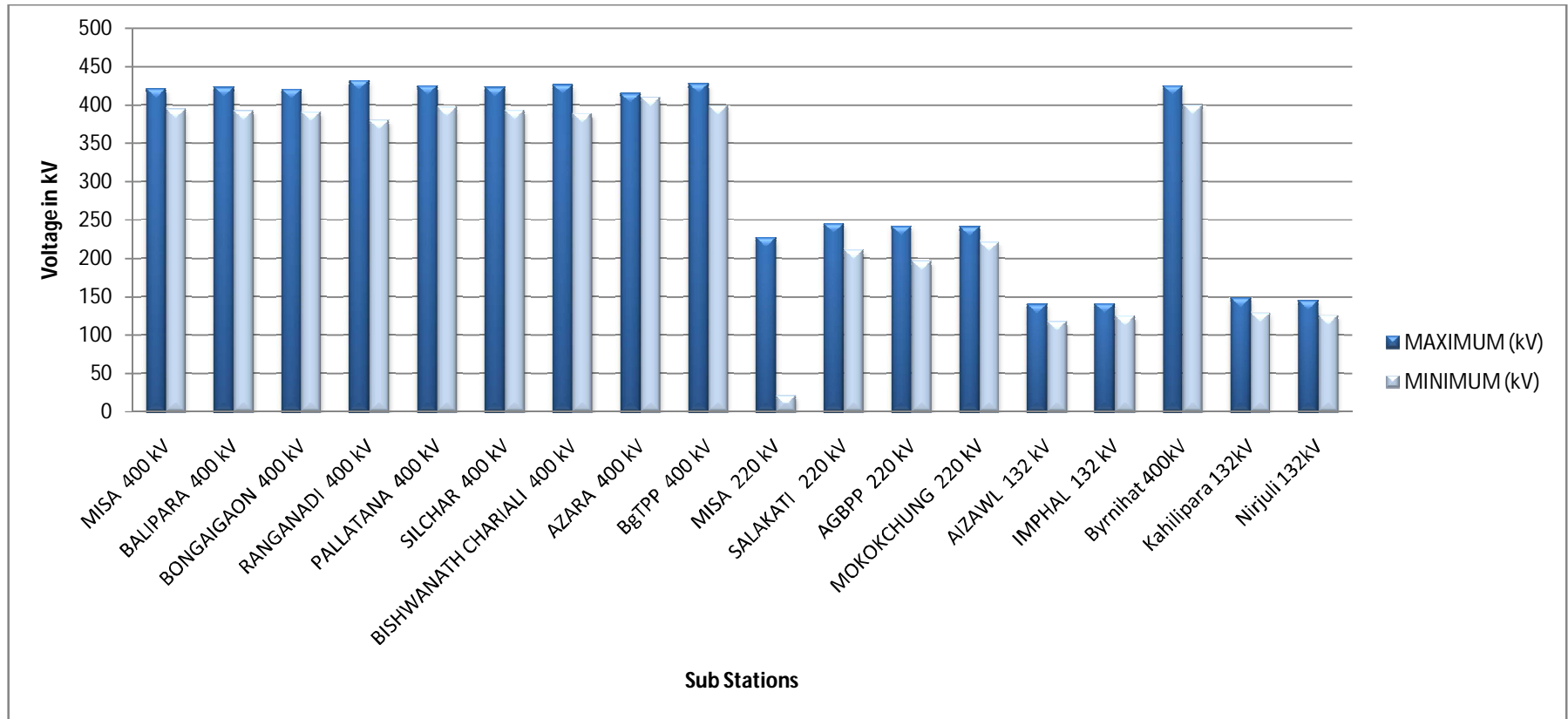
FVI Characteristic for March 2017

Monthly Progress Report March 2017



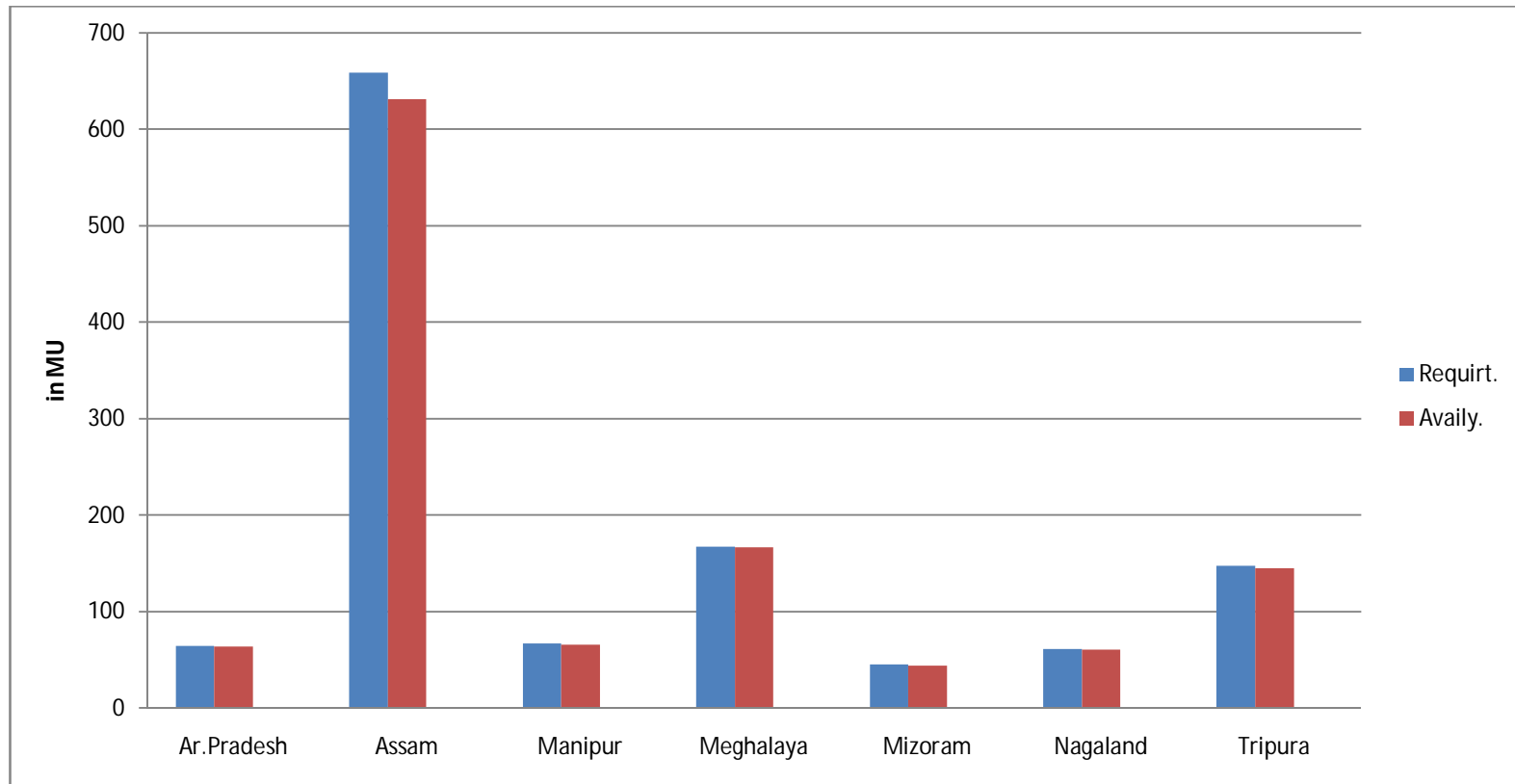
B-3

Voltage Variation Range for March 2017



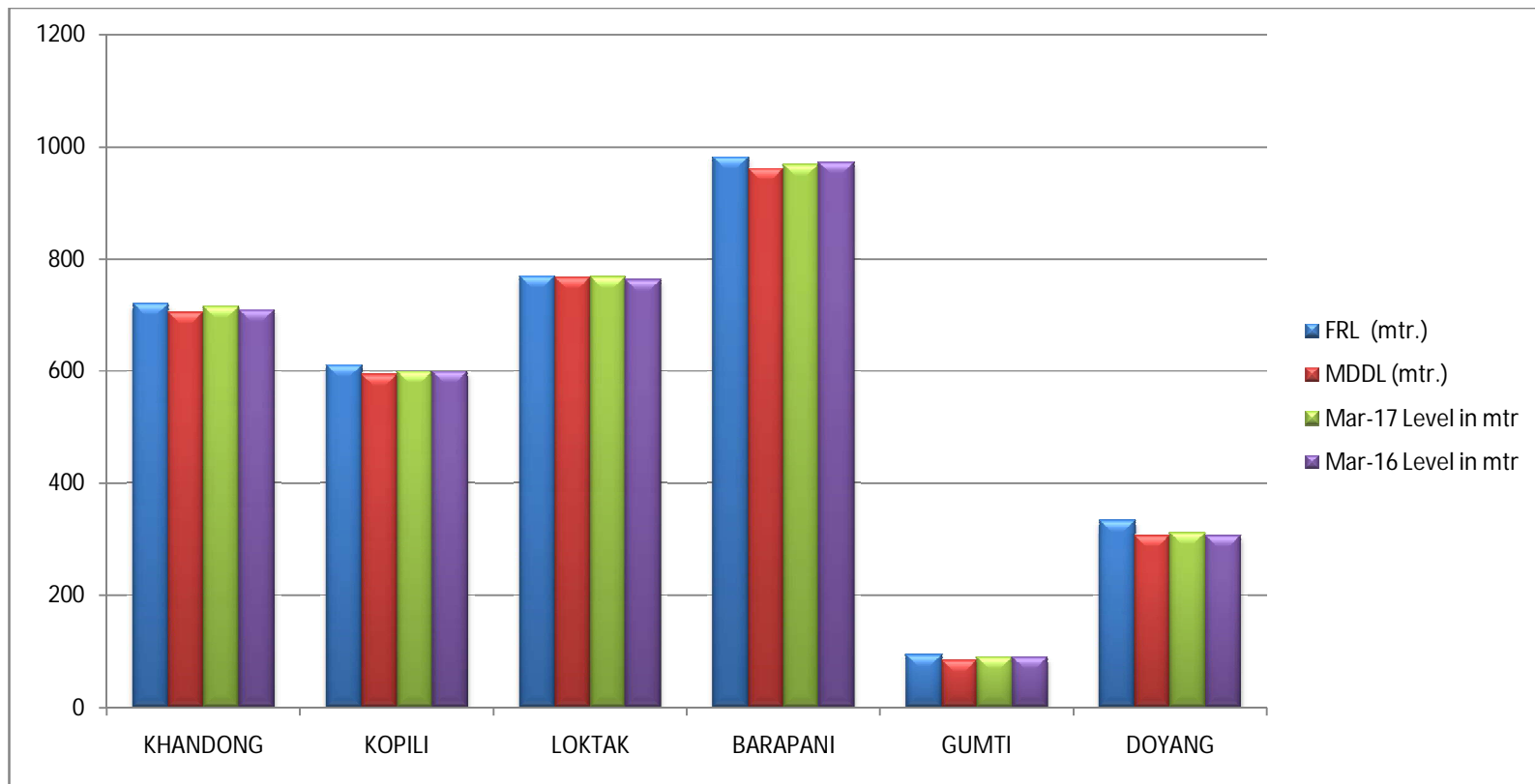
B-4

Energy Profile for March 2017



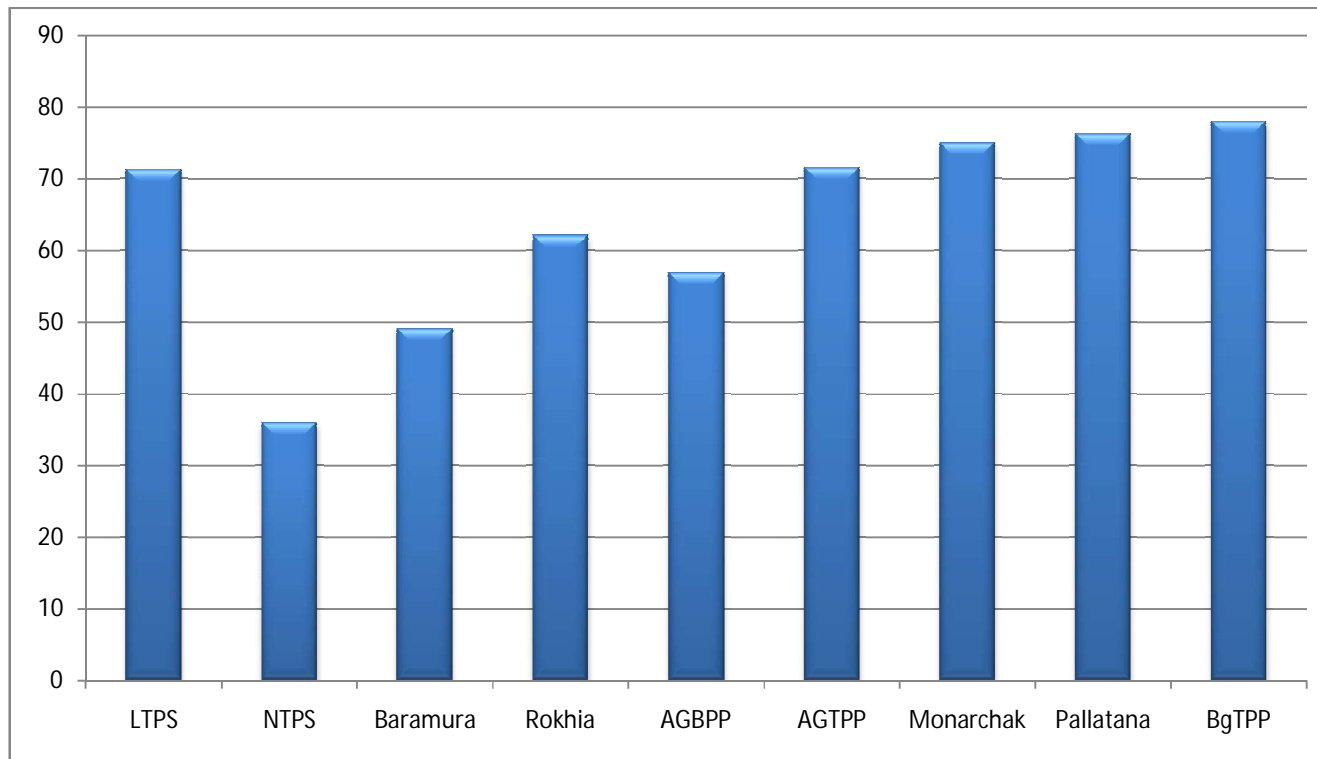
B-5

Reservoir Profile for March 2017



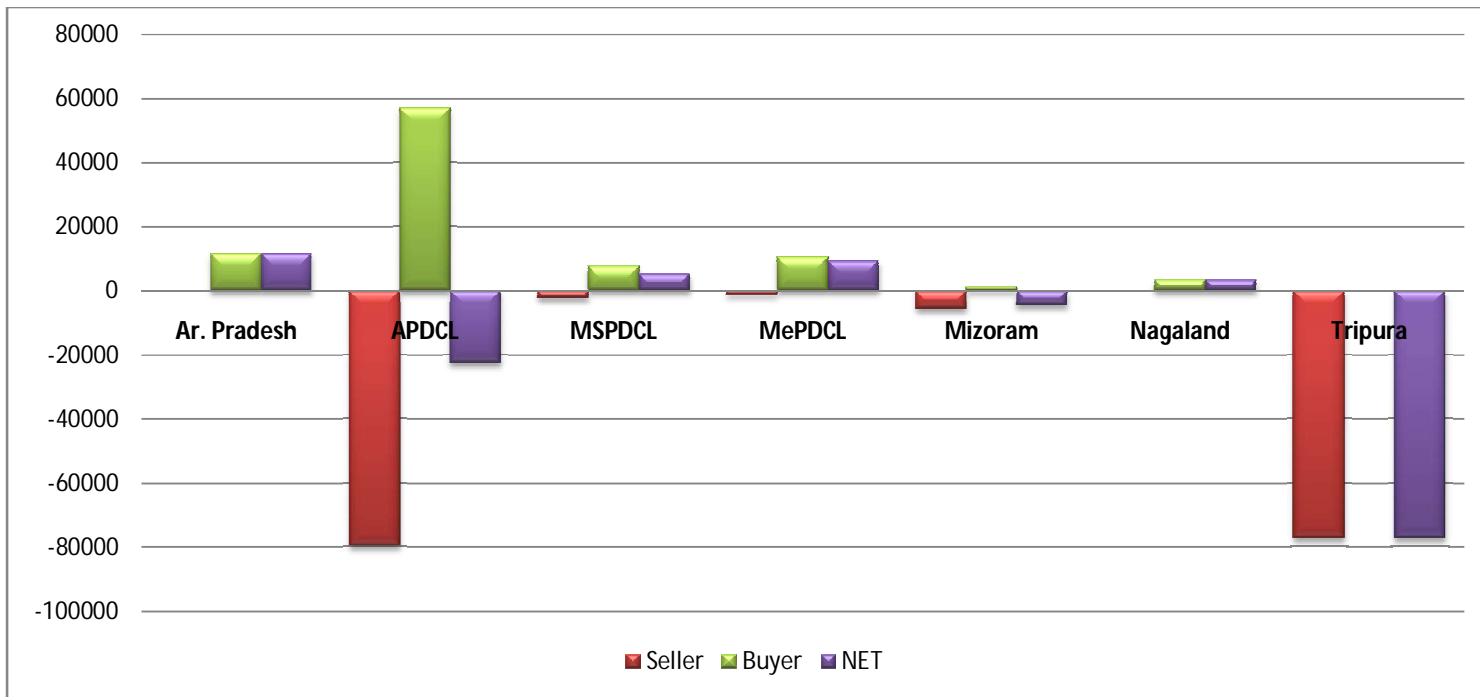
B-6

Station-wise Plant Load Factor for March 2017



B-7

Collective Transaction through IEX Power Exchange March 2017



B-8

Consolidated SEB in NE Region for the month of March 2017

