भारत सरकार

Government of India

विद्युत् मंत्रालय

Ministry of Power

उत्तर क्षेत्रीय विद्युत समिति

Northern Regional Power Committee

मासिक रिपोर्ट

Monthly Report

मार्च,2018

March,2018

18-ए, शहीद जीत सिंह मार्ग, कटवारिया सराय, नई दिल्ली-110016

18-A, Shaheed JeetSingh Marg, Katwaria Sarai, NewDelhi-110016

विषय वस्तु

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	उत्तर क्षेत्रीय विद्युत ग्रिड के मुख्य लक्षण SALIENT FEATURES OF NORTHERN REGIONAL POWER GRID			मार्च 2018 Mar-18
क्रम सं0. Sl. No.	लक्षण	मार्च 2018 Mar-18	मार्च 2017 Mar-17	परिवर्तन CHANGE	FEATURES
1	संस्थापित क्षमता (मेगावाट)	92967.45	83419.52	9547.93	Installed Capacity (MW)
2	अधिकतम माँग (मेगावाट)	44348	46127	-1779.00	Peak Demand (MW)
3	अधिकतम माँग की पूर्ति (मेगावट)	43777	45659	-1882.00	Peak Demand Met (MW)
4	अधिकतम माँग की अनापूर्ति (मेगावाट)	571	468	103.00	Peak Demand not met (MW)
5	अधिकतम माँग की अनापूर्ति (प्रतिशत में)	1.29	1.01	0.27	% Peak Demand not met
6	ऊर्जा माँग (मि.यू.)	28624.00	26719.00	1905.00	Energy Requirement (MU)
7	ऊर्जा उपलब्धता (मि.यू.)	28135.00	26480.00	1655.00	Energy Availability (MU)
8	उर्जा की अनापूर्ति (मि.यू.)	489.00	239.00	250.00	Energy not supplied (MU)
9	उर्जा की अनापूर्ति (प्रतिशत में)	1.71	0.89	0.81	% Energy not supplied
10	उत्पादन (मि.यू.)				Generation (MU)
	जलीय	3165.87	3666.59	-500.72	Hydro
	तापीय	19858.74	16409.02	3449.72	Coal
	नाभिकीय	910.12	1079.25	-169.13	Nuclear
	नवीनकर्णीय	2049.01	1808.62	240.39	RE
	कुल (मि.यू.)	25983.74	22963.48	3020.26	Total (MU)
	निर्यात (मि.यू)	1485.22	729.08	756.14	Export (MU)
	आयात (मि.यू.)	5457.92	6240.70	-782.78	Import (MU)
	शुद्ध निर्यात/आयात (-/+) (मि.यू.)	3972.70	5511.62	-1538.92	Net Export (-) / Net Import (+) (MU)
11	माह के अन्तिम दिन में मुख्य जलाशयों का जलीय स्तर (मीटर)				Levels of Major Reservoirs on the Last Day of the Month (Meter)
i	भाखड़ा	472.72	464.38	8.34	Bhakhra
ii	पोंग	394.05	396.66	-2.61	Pong
III	रिहन्द	256.89	261.09	-4.20	Rihand
iv	राणा प्रताप सागर	346.62	346.81	-0.19	Rana Pratap Sagar
v	गाँधी सागर	389.80	395.33	7.38	Gandhi Sagar
vi	टेहरी	765.85	762.70	3.15	Tehri

(+) increase from previous year (-) decrease from previous year ; Peak Demand = Peak demand met + Peak demand not met

Grid Overview during Mar’2018

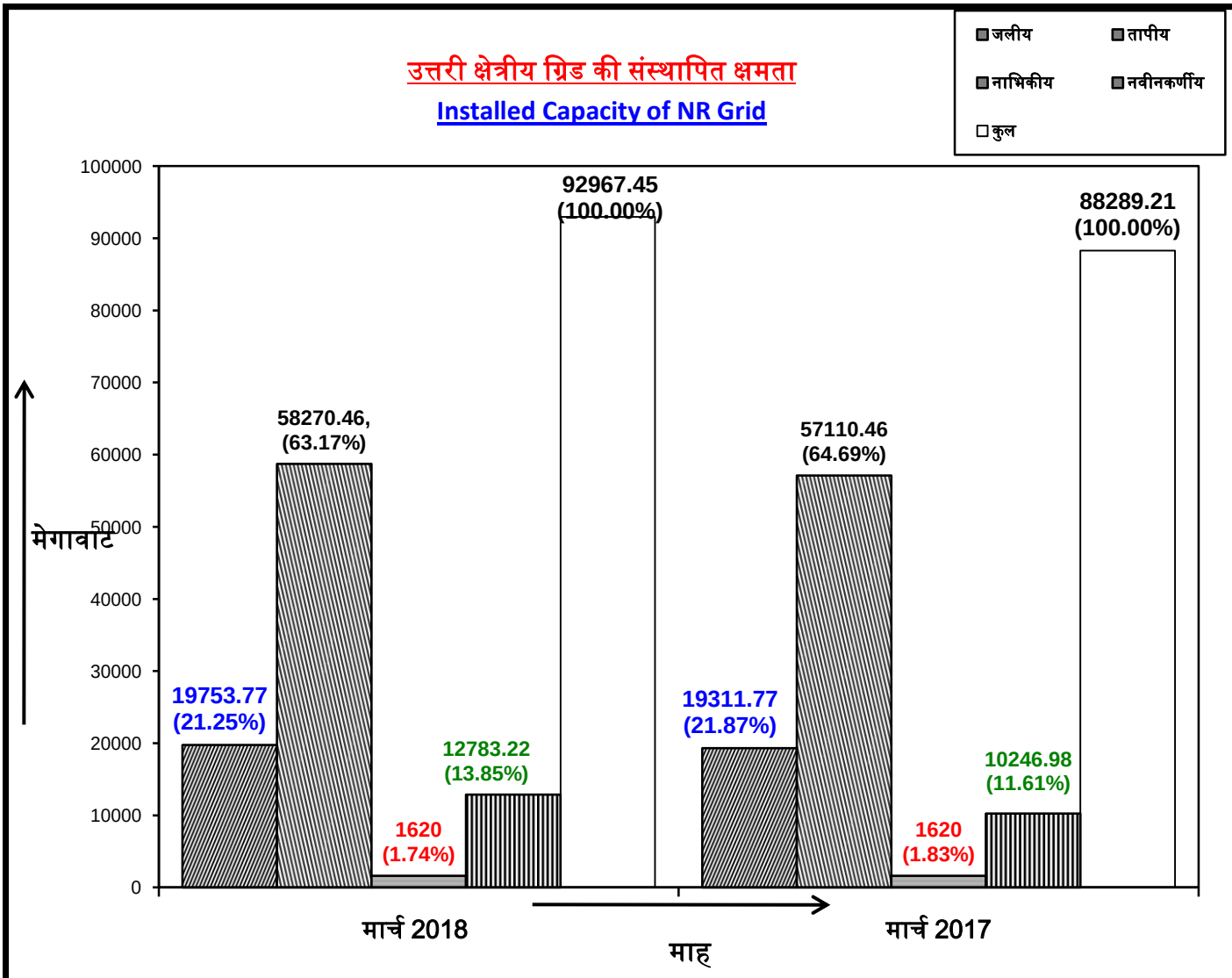
- The Maximum Demand Met was 44,904 MW on 12.03.2018 & Minimum Demand Met for the Month was 27,960 MW on 03.03.2018.
- The Maximum Energy consumption during the Month was 936 MU on dated: 13.03.2018.
- The Average Energy Consumption increased by 4.26% (36 MU/day) in comparison to march’2017.
- In March’2018 frequency remained in the IEGC band i.e. between 49.9 Hz & 50.05 Hz for 79.17 % of time.
- The Average Inter- Regional Import during the March’2018 was 141 MU/Day.
- The average Hydro Generation during the March’2018 was 105 MU/day.
- The Average Thermal Generation during the March’2018 was 620 MU/day.

Important Meetings in NRPC during Mar'18

- 15th Meeting of LGBR Sub-Committee held on 12.03.2018.
- Meeting on 14.03.2018 to discuss CERC terms & conditions of tariff regulation 2019-24.
- 145th OCC Meeting held on 14.03.18 and 15.03.18 to discuss planned outages & grid operation.

उत्तरी क्षेत्रीय ग्रिड की संस्थापित क्षमता

Installed Capacity of NR Grid



Comparison with previous month

Hydro 19423.77 (21.13%); **Increased**

Thermal 58270.46 (63.39%); **No Change**

Nuclear 1620.00 (1.76%) ;**No Change**

Renewable 12620.69 (13.73 %); **Increased**

ALL INDIA INSTALLED CAPACITY (IN MW) OF POWER STATIONS
(As on 31.03.2018)

(UTILITIES)

Region	Ownership/ Sector	Modewise breakup							Grand Total
		Thermal				Nuclear	Hydro	RES * (MNRE)	
		Coal	Gas	Diesel	Total				
Northern Region	State	16888.00	2879.20	0.00	19767.20	0.00	8643.55	689.56	29100.31
	Private	22760.83	558.00	0.00	23318.83	0.00	2514.00	11854.66	37687.49
	Central	13290.37	2344.06	0.00	15634.43	1620.00	8596.22	329.00	26179.65
	Sub Total	**52939.20**	**5781.26**	**0.00**	**58720.46**	**1620.00**	**19753.77**	**12873.22**	**92967.45**
ALL INDIA	State	64670.50	7078.95	363.93	72113.38	0.00	29858.00	2003.37	103974.75
	Private	75546.00	10580.60	473.70	86600.30	0.00	3394.00	65516.72	155511.02
	Central	56955.00	7237.91	0.00	64192.91	6780.00	12041.42	1502.30	84516.63
	Total	**197171.50**	**24897.46**	**837.63**	**222906.59**	**6780.00**	**45293.42**	**69022.39**	**344002.39**

Figures at decimal may not tally due to rounding off

Abbreviation:- SHP=Small Hydro Project (≤ 25 MW), BP=Biomass Power, U&I=Urban & Industrial Waste Power, RES=Renewable Energy Sources

Note : - 1. RES include SHP, BP, U&I, Solar and Wind Energy. Installed capacity in respect of RES (MNRE) as on 31.03.2018
(As per latest information available with MNRE)

***Break up of RES all India as on 31.03.2018 is given below (in MW) :**

Small Hydro Power	Wind Power	Bio-Power		Solar Power	Total Capacity
		BM Power/Cogen.	Waste to Energy		
4418.15	34046.00	8700.80	138.30	21651.48	69022.39

A. **Capacity Added during Mar., 2018** — **990 MW**

1. U-1 of MEJA STPP (660 MW) has been commissioned and added to the Central Sector of NR states as per their allocation..

2. U-1,2&3 of KISHANGANGA HPS (3*110=330 MW) has been commissioned and added to the Central Sector of NR states as per their tentative allocation.

B. **Capacity Retired during Mar., 2018** — **210 MW**

1. PANKI TPS U-3&4 (2*105=210 MW) has been retired from the State Sector of Uttar Pradesh.

C. **Capacity Uprated Mar., 2018** — **0 MW**

D. **Net Capacity Added during Mar., 2018** — **A-B-C** — **(780 MW)**

उ.क्षे. में स्थित राज्यों/संघ शासित क्षेत्रों में आबंटित संयुक्त केन्द्रीय सेक्टर उपयोज्यों को समाहित करते हुए विद्युत उपयोज्यों की संस्थापित क्षमता (मेगावाट में)

INSTALLED CAPACITY (IN MW) OF POWER UTILITIES IN THE STATES/UTS LOCATED IN NORTHERN REGION INCLUDING ALLOCATED SHARES IN JOINT & CENTRAL SECTOR UTILITIES

(Source: CEA) **As on 31.03.2018**

Sl No	State	Ownership Sector	Modewise breakup							
			Thermal			Total Thermal	Nuclear	Hydro (Renewable)	RES (MNRE)	Grand Total
			Coal	Gas	Diesel					
1	**Delhi**	State	135	1800.4	0	1935.4	0	0	0	1935.4
	दिल्ली	Private	869.22	108	0	977.22	0	0	121.57	1098.79
		Central	3817.72	207.01	0	4024.73	102.83	723.09	0	4850.65
		Sub-Total	**4821.94**	**2115.41**	**0**	**6937.35**	**102.83**	**723.09**	**121.57**	**7884.84**
2	**Haryana**	State	2720	150	0	2870	0	1084.51	59.3	4013.81
	हरियाणा	Private	4080.78	0	0	4080.78	0	200	347.45	4628.23
		Central	1294.72	535.61	0	1830.34	100.94	663.70181	5	2599.98
		Sub-Total	**8095.5**	**685.61**	**0**	**8781.12**	**100.94**	**1948.21**	**411.75**	**11242.01**
3	**Himachal Pradesh**	State	0	0	0	0	0	694.6	256.61	951.21
	हिमाचल प्रदेश	Private	0	0	0	0	0	992	597.23	1589.23
		Central	183.4	62.01	0	245.41	28.95	1223.88	0	1498.24
		Sub-Total	**183.4**	**62.01**	**0**	**245.41**	**28.95**	**2910.48**	**853.84**	**4038.68**
4	**Jammu & Kashmir**	State	0	175	0	175	0	1230	129.03	1534.03
	जम्मू व कश्मीर	Private	0	0	0	0	0	0	51.36	51.36
		Central	506.39	129.07	0	635.47	67.98	1139.48	0	1842.93
		Sub-Total	**506.39**	**304.07**	**0**	**810.47**	**67.98**	**2369.48**	**180.39**	**3428.32**
5	**Punjab**	State	2620	150	0	2770	0	2570.23	127.8	5468.03
	पंजाब	Private	5115.5	0	0	5115.5	0	288	1154.62	6558.12
		Central	854.58	264.01	0	1118.59	196.81	923.42	0	2238.82
		Sub-Total	**8590.08**	**414.01**	**0**	**9004.09**	**196.81**	**3781.65**	**1282.42**	**14264.97**
6	**Rajasthan**	State	5850	603.8	0	6453.8	0	1087.96	23.85	7565.61
	राजस्थान	Private	3882	0	0	3882	0	104	6455.79	10441.79
		Central	1206.25	221.1	0	1427.35	556.74	739.01	294	3017.1
		Sub-Total	**10938.25**	**824.9**	**0**	**11763.15**	**556.74**	**1930.97**	**6773.64**	**21024.5**
7	**Uttar Pradesh**	State	5563	0	0	5563	0	724.1	25.1	6312.2
	उत्तर प्रदेश	Private	8714.33	0	0	8714.33	0	842	2621.91	12178.24
		Central	3796.39	549.49	0	4345.88	289.48	1854.93	30	6520.29
		Sub-Total	**18073.72**	**549.49**	**0**	**18623.21**	**289.48**	**3421.03**	**2677.01**	**25010.73**
8	**Uttrakhand**	State	0	0	0	0	0	1252.15	67.87	1320.02
	उत्तराखण्ड	Private	99	450	0	549	0	88	479.53	1116.53
		Central	343.24	69.66	0	412.9	31.24	475.54	0	919.68
		Sub-Total	**442.24**	**519.66**	**0**	**961.9**	**31.24**	**1815.69**	**547.4**	**3356.23**
9	**Chandigarh**	State	0	0	0	0	0	0	0	0
	चण्डीगढ़	Private	0	0	0	0	0	0	25.2	25.2
		Central	38.15	15.03	0	53.17	8.01	101.71	0	162.89
		Sub-Total	**38.15**	**15.03**	**0**	**53.17**	**8.01**	**101.71**	**25.2**	**188.09**
		Central - UA	1249.53	291.05	0	1540.58	237.03	751.45	0	2529.07
	Total Northern Region	State	16888	2879.2	0	19767.2	0	8643.55	689.56	29100.31
	कुल उत्तरी क्षेत्र	Private	22760.83	558	0	23318.83	0	2514	11854.66	37687.49
		Central	13290.37	2344.06	0	15634.43	1620	8596.22	329	26179.65
		Grand Total	**52939.2**	**5781.26**	**0**	**58720.46**	**1620**	**19753.77**	**12873.22**	**92967.45**

31 मार्च 2018 को उत्तरी क्षेत्र की स्थापित और प्रभावी उत्पादन क्षमता का विवरण
DETAILS OF INSTALLED AND EFFECTIVE CAPACITY IN NORTHERN REGION AS ON 31.03.2018

	विद्युत उत्पादन केंद्र	संस्थापित क्षमता (मेगा वाट)		प्रभावी क्षमता (मेगा वाट)		विद्युत उत्पादन केंद्र
	POWER STATION	ORIGINAL INSTALLED CAPACITY(MW)		EFFECTIVE CAPACITY(MW)		POWER STATION
1	केन्द्रीय क्षेत्र					
A	एन. टी. पी. सी.					
(a)	बदरपुर ता. वि. के.	3x100+2x210	720.00	3x95+2x210	705.00	Badarpur T.P.S
(b)	सिंगरौली ता. वि. के.	5x200+2x500	2000.00	5x200+2x500	2000.00	Singrauli STPS
(c)	रिहंद ता. वि. के.	2x500 +2x500+2x500	3000.00	2x500 +2x500+2x500	3000.00	Rihand TPS
(d)	दादरी ता. वि. के.	4x210	840.00	4x210	840.00	Dadri NCTPS
(e)	दादरी एनसीपीएस अवस्था II	2x490	980.00	2x490	980.00	Dadri NCPS Stage-II
(f)	ऊंचाहार-I ता. वि. के.	2x210	420.00	2x210	420.00	Unchahar -I TPS
(g)	ऊंचाहार-II ता. वि. के.	2x210	420.00	2x210	420.00	Unchahar -II TPS
(h)	ऊंचाहार-III ता. वि. के.	1x210	210.00	1x210	210.00	Unchahar -III TPS
(i)	टांडा ता. वि. के.	4x110	440.00	4x110	440.00	Tanda TPS
(j)	आन्टा गैस वि. के.	3x88.71+1x153.20	419.33	3x88.71+1x153.20	419.33	Anta GPS
(k)	औरैया गैस वि. के.	4x111.19+2x109.30	663.36	4x111.19+2x109.30	663.36	Auraiya GPS
(l)	दादरी गैस वि. के.	4x130.19+2x154.51	829.78	4x130.19+2x154.51	829.78	Dadri GPS
(m)	फ़रीदाबाद गैस वि. के.	2x137.75+1x156.07	431.57	2x137.75+1x156.07	431.57	Faridabad GPS
(n)	झज्जर	3x500	1500.00	3x500	1500.00	ISTPS Jhajjar
(o)	दादरी सोलर		5.00		5.00	Dadri Solar
(p)	ऊंचाहार सोलर		10.00		10.00	Unchahar Solar
(q)	सिंगरौली सोलर		15.00		15.00	Singrauli Solar
(r)	कोलडेम हाइड्रो	4x200	800.00	4x200	800.00	Koldam Hydro
	उप-योग		13704.04		13689.04	Sub-Total
B	एन. एच. पी. सी.					NHPC
(a)	बैरासूल ज.वी.के.	3x60	180.00	3x60	180.00	Bairasiul
(b)	सलाल स्टेज - I	3x115	345.00	3x115	345.00	Salal Stage - I
(c)	सलाल स्टेज - II	3x115	345.00	3x115	345.00	Salal Stage - II
(d)	टनकपुर ज.वी.के.	3x40	120.00	3x31.4	94.20	Tanakpur HPS
(e)	चमेरा-I ज.वी.के.	3x180	540.00	3x180	540.00	Chamera HPS-I
(f)	चमेरा-II ज.वी.के.	3x100	300.00	3x100	300.00	Chamera HPS-II
(g)	चमेरा-III ज.वी.के.	3x77	231.00	3x77	231.00	Chamera HPS-III
(h)	ऊरी	4x120	480.00	4x120	480.00	URI
(i)	ऊरी -2	4x60	240.00	4x60	240.00	URI -2
(j)	धौलीगंगा	4x70	280.00	4x70	280.00	Dhaulliganga
(k)	दुलहस्ती	3x130	390.00	3x130	390.00	Dulhasti
(l)	सेवा-II	3x40	120.00	3x40	120.00	Sewa-II
(m)	पार्बती -3	4x130	520.00	4x130	520.00	Parbati -3
	उप-योग		4091.00		4065.20	Sub-Total
C	एन. पी. सी					NPC
(a)	रा. आ. ऊ. के. (अ)	2x220	440.00	1x100+1x200	300.00	RAPS -A
(b)	रा. आ. ऊ. के. (ब)	2x220	440.00	2x220	440.00	RAPS -B
(c)	रा. आ. ऊ. के. (स)	2x220	440.00	2x220	440.00	RAPS-C
(d)	न. आ. ऊ. के.	2x220	440.00	2x220	440.00	NAPS
	उप-योग		1760.00		1620.00	Sub-Total
D	एन. एल. सी					NLC
	बरसिंगसर	2x125	250.00	2x125	250.00	Barsingsar
E	नाथपा-झाकरी+रामपुर	6x250 + 6x68.67	1912.00	6x250 + 4x68.67	1912.00	Nathpa-Jhakri + Rampur
F	टेहरी+कोटेश्वर	4x250+4X100	1400.00	4x250+4X100	1400.00	Tehri+Koteshwar
G	केंद्रीय आईपीपी					Regional IPP
(a)	एडीएचपीएल	2x96	192.00	2x96	192.00	ADHPL
(b)	करचम वंगतू हाइड्रो पावर स्टेशन	4X250	1000.00	4X250	1000.00	Karcham Wangtoo Hydro Power Station
(c)	मलाना स्टेज-II हाइड्रो पावर स्टेशन	2X50	100.00	2X50	100.00	Malana Stage-II Hydro power Station

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DETAILS OF INSTALLED AND EFFECTIVE CAPACITY IN NORTHERN REGION AS ON 31.03.2018

	विद्युत उत्पादन केंद्र	संस्थापित क्षमता (मेगा वाट)		प्रभावी क्षमता (मेगा वाट)		विद्युत उत्पादन केंद्र
	POWER STATION	ORIGINAL INSTALLED CAPACITY(MW)		EFFECTIVE CAPACITY(MW)		POWER STATION
(d)	श्री सीमेंट थर्मल पावर स्टेशन	2X150	300.00	2X150	300.00	Shree Cement TPS
(e)	बुधिल	2x35	70.00	2x35	70.00	Budhil
	उप-योग		**1662.00**		**1662.00**	**Sub-Total**
	कुल केन्द्रीय सैक्टर					**Total Central Sector**
	(ए+बी+सी+डी+ई+एफ़+जी)		**24779.04**		**24598.24**	(A+B+C+D+E+F+G)
2	**बी. बी. एम. बी**					**BBMB**
(a)	भाकड़ा कॉम्प्लेक्स					Bhakra Complex
	(i) भाकड़ा(एल)	3x126+2x108	594.00	3x126+2x108	594.00	(i) Bhakra (L)
	(ii) भाकड़ा(आर)	5x157	785.00	5x157	785.00	(ii) Bhakra (R)
	(iii) गंगुवाल	1x29.25+1x24.20+1x24.20	77.65	1x29.25+1x24.20+1x24.20	77.65	(iii) Ganguwal
	(iv) कोटला	1x29.25+1x24.20+1x24.20	77.65	1x29.25+1x24.20+1x24.20	77.65	(iv) Kotla
	उप-योग		**1534.3**		**1534.30**	**Sub-Total**
(b)	देहर	6x165	990.00	6x165	990.00	Dehar
(c)	पोंग	6x66	396.00	6x66	396.00	Pong
	कुल बीबीएमबी		**2920.3**		**2920.30**	**Total BBMB**
3	**चंडीगढ़**					**CHANDIGARH**
(a)	डीजल		**2.00**		**1.40**	Diesel Gen Set
4	**दिल्ली**					DELHI
	तापीय					THERMAL
(a)	राजघाट	2x67.5	135.00	2x67.5	135.00	Rajghat
(b)	दिल्ली गैस टरबाइन	6x30+3x30	270.00	6x30+3x30	270.00	Delhi.Gas Turbines
(c)	प्रगति गैस टरबाइन	2x104.6+1x121.2	330.00	2x104.6+1x121.2	330.00	Pragati Gas Turbines
(d)	रिठाला गैस टरबाइन	2x31.6+1x31.6	94.80	2x31.6+1x31.6	94.80	Rithala
(e)	बवाना गैस टरबाइन	4x216+2x253	1370.00	4x216+2x253	1370.00	Bawana Gas Turbine
(f)	तिमारपुर प्लांट	1x16	16.00	1x16	16.00	Timarpur Waste Mgmt Plant
	कुल दिल्ली		**2215.80**		**2215.80**	**Total DELHI**
5	**हरियाणा**					**HARYANA**
	जलीय					HYDRO
(a)	पश्चिमी यमुना	6x8+2x7.2	62.40	6x8+2x7.2	62.40	Western Yamuna -I & II
	नहर (पयन)					Canal (WYC)
	कुल जलीय		**62.40**		**62.40**	**Total Hydro**
	तापीय					*THERMAL*
(b)	पानीपत	2x210+2x250	920.00	2x210+2x250	920.00	Panipat
(c)	डीसीआरटीपीपी (यमुना नगर)	2x300	600.00	2x300	600.00	DCRTPP (Yamuna Nagar)
(d)	आरजीटीपीपी खेदर	2x600	1200.00	2x600	1200.00	RGTPP Kheddar
(e)	झज्जर-सी एल पी (आईपीपी)	2X660	1320.00	2X660	1320.00	Jhajjar-CLP (IPP)
	कुल तापीय		**4040.00**		**4040.00**	**Total Thermal**
(f)	मगनुम डीजल (आईपीपी)	4x6.3	**25.20**	4x6.3	25.20	Magnum Diesel (IPP)
	कुल हरियाणा		**4127.60**		**4127.60**	**Total HARYANA**
6	**हिमाचल प्रदेश**					**HP**
	जलीय					HYDRO
(a)	गिरि	2x30.00	60.00	2x30.00	60.00	Giri
(b)	बस्सी	4x16.5	66.00	4x16.5	66.00	Bassi

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	विद्युत उत्पादन केंद्र	संस्थापित क्षमता (मेगा वाट)		प्रभावी क्षमता (मेगा वाट)		विद्युत उत्पादन केंद्र
	POWER STATION	ORIGINAL INSTALLED CAPACITY(MW)		EFFECTIVE CAPACITY(MW)		POWER STATION
(c)	बिनवा	2x 3.00	6.00	2x 3.00	6.00	Binwa
(d)	आंध्रा	3x 5.65	16.95	3x 5.65	16.95	Andhra
(e)	सूक्ष्म(गुम्मा,होली,भाभा और अन्य)		27.00		27.00	Micros (Gumma,Holi,Bhaba and others)
(f)	भाभा	3x40.00	120.00	3x40.00	120.00	Bhabha
(g)	बनेर	3x 4.00	12.00	3x 4.00	12.00	Baner
(h)	गज	3x 3.50	10.50	3x 3.50	10.50	Gaj
(i)	घनवी -1	2x11.25	22.50	2x11.25	22.50	Ghanvi -1
(j)	घनवी -2	2x5	10.00	2x5	10.00	Ghanvi -2
(k)	लार्जी	3x42	126.00	3x42	126.00	Larji
(l)	खौली	2x6	12.00	2x6	12.00	Khauli
(m)	मलाना (आईपीपी)	2x43.00	86.00	2x43.00	86.00	Malana(IPP)
(n)	बसपा (आईपीपी)	3x100	300.00	3x100	300.00	Baspa(IPP)
(o)	एमएमएच (आईपीपी)		362.00		362.00	MMH(IPP)
(p)	पातिहकारी(एमएमएच के अंदर)	2x8		2x8		Patihkari (IPP)(under MMH)
(q)	टोस (आईपीपी)(एमएमएच के अंदर)	2x5		2x5		TOSS (IPP)(under MMH)
(r)	बरागांव	3x8	24.00	3x8	24.00	Baragaon
(s)	बनेर 2	2x3	6.00	2x3	6.00	Baner 2
(t)	शिमला	2x2.5	5.00	2x2.5	5.00	Shimla
	कुल हिमाचल प्रदेश		**1271.95**		**1271.95**	**Total HP**
7	**जम्मू और कश्मीर**					**J & K**
	जलीय					HYDRO
(a)	निचली झेलम	3x35.0	105.00	3x35.0	105.00	Lower Jhelum
(b)	ऊपरी सिंध	2x11.30+3x35.0	127.60	2x11.30+3x35.0	127.60	Upper Sindh
(c)	गनदेरबल	2x3+2x4.5	15.00	2x3+2x4.5	15.00	Ganderbal
(d)	चेनानी (I+II+III)	5x4.66 +2x1.0+3x2.5	32.80	5x4.66 +2x1.0+3x2.5	32.80	Chenani (I+II+III)
(e)	स्तकना	2x2.0+3x1.25+2.0	4.00	2x2.0+3x1.25+2.0	4.00	Stakna
(f)	सेवा (III)	3x3.0	9.00	3x3.0	9.00	Sewa-III
(g)	लघु जलीय		15.30		15.30	Small Hydel
(h)	आइपीपी		42.50		42.5	IPP
(i)	बगलिहार(स्टेज 1 और 2)	5x150	750.00	5x150	750.00	Baglihar(Stage 1 and 2)
(j)	नीमो बाजगो	3x15	45.00		45.00	Neemo Baazgo
(k)	चूतक	4x11	44.00	4x11	44.00	Chutak
	कुल जलीय		**1190.20**		**1190.20**	**Total Hydro**
	जम्मू कश्मीर					**J & K (Contd.)**
	गैस टरबाइन					GAS TURBINES
(k)	पंपोर जी.टी. स्टे - I	3x25.0	75.00	3x25.0	75.00	Pampore GT St - I
	पंपोर जी.टी. स्टे - II	4x25.0	100.00	4x25.0	100.00	Pampore GT St - II
	कुल गैस		**175.00**		**175.00**	**Total Gas**
(l)	डीजल		**15.40**		**15.40**	Diesel Gen. Set
	कुल जम्मू और कश्मीर		**1380.60**		**1380.60**	**Total J & K**
8	**पंजाब**					**PUNJAB**
	जलीय					HYDRO
(a)	जोगिंदर नगर /	4x15+1x50	110.00	4x15+1x50	110.00	Jogindernagar/
	शानन					Shanan
(b)	ऊपरी बेहरी दोआब	3x15+3x15.45	91.35	3x15+3x15.45	91.35	Upper Behari Doab

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	POWER STATION	ORIGINAL INSTALLED CAPACITY(MW)		EFFECTIVE CAPACITY(MW)		POWER STATION
	नहर (यूबीडीसी)					Canal (UBDC)
(c)	मुकेरियान	6x15+6x19.5	207.00	6x15+6x19.5	207.00	Mukerian
(d)	आनंदपुर साहिब	4x33.5	134.00	4x33.5	134.00	Anandpur Sahib (APS)
(e)	रंजीत सागर	4x150	600.00	4x150	600.00	Ranjit Sagar (Thein Dam)
(f)	लघु जलीय		5.60		5.60	Small Hydel
	कुल जलीय		**547.95**		**547.95**	**Total Hydro**
	तापीय					THERMAL
(g)	गुरु नानक देव	2x110+2x120	460.00	2x110+2x120	460.00	Guru Nanak Dev
	ता.वि.के. (भटिंडा)					TPS (Bhatinda)
(h)	गुरु गोबिन्द सिंह	6x210	1260.00	6x210	1260.00	Guru Gobind Singh
	ता.वि.के. (रोपर)					TPS (Ropar)
(i)	लेहरा मोहब्बत ता.वि.के.	2x210 +2x250	920.00	2x210 +2x250	920.00	Lehra Mohabbat TPS
(j)	राजपुरा	2x700	1400.00	2x700	1400.00	Rajpura
(k)	तलवंडी साबू	2x660	1320.00	2x660	1320.00	Talwandi Saboo
(l)	आईपीपी (एन आर एस ई + पेडा)		680.00		680.00	IPP (NRSE +PEDA)
	कुल तापीय		**6040.00**		**6040.00**	**Total Thermal**
	कुल पंजाब		**6587.95**		**6587.95**	**Total PUNJAB**
9	**राजस्थान**					**RAJASTHAN**
	जलीय					HYDRO
(a)	माही बजाज सागर	2x25+2x45	140.00	2x25+2x45	140.00	Mahi Bajaj Sagar
(b)	राणा प्रताप सागर	4x43	172.00	4x43	172.00	Rana Pratap Sagar (RPS)
(c)	जवाहर सागर	3x33	99.00	3x33	99.00	Jawahar Sagar (JS)
(d)	गांधी सागर	5x23	115.00	5x23	115.00	Gandhi Sagar
(e)	छोटे जलीय		14.85		14.85	Small Hydro
(f)	अनूपगढ़	6x1.5	9.00	6x1.5	9.00	Anoopgarh
	कुल जलीय		**549.85**		**549.85**	**Total Hydro**
	तापीय					THERMAL
(g)	कोटा ता.वि.के.	2x110+3x210 +2x195	1240.00	2x110+3x210+2x195	1240.00	Kota TPS
(h)	सुरतगढ़ ता.वि.के.	6x250	1500.00	6x250	1500.00	Suratgarh TPS
(I)	रामगढ़ गैस विस्तार	1x35.5+2x37.5+1X110+1x50	271.00	1x35.5+2x37.5+1X110+1x50	271.00	RAMGARH GT EXT
(j)	गिराल एलटीपीएस	2x125	250.00	2x125	250.00	Giral LTPS
(k)	ढोलपुर सीसीपीपी	3x110	330.00	3x110	330.00	Dholpur CCPP
(l)	छाबरा टीपीएस	4x250	1000.00	4x250	1000.00	Chhbra TPS
(m)	राज(पश्चिम)	8x135	1080.00	8x135	1080.00	RajWest
(n)	वीएस लिगनईट पावर प्रा. लि.	1x135	135.00	1x135	135.00	VS Lignite Power Pvt Ltd
(o)	कालिसिन्ध	2X600	1200.00	2X600	1200.00	Kalisindh
(p)	कवई	2X660	1320.00	2X660	1320.00	Kawai
	कुल तापीय		**8326.00**		**8326.00**	**Total Thermal**
(q)	पवन ऊर्जा + देवगढ़		4292.00		4292	Wind Farm+ devgarh W.T
(r)	बायो मास		114.00		114	Bio-mass
(s)	सौर उर्जा		1995.00		1995	Solar Energy
	कुल राजस्थान		**15276.85**		**15276.85**	**Total RAJASTHAN**
10	**उत्तर प्रदेश**					**UP**

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	POWER STATION	ORIGINAL INSTALLED CAPACITY(MW)		EFFECTIVE CAPACITY(MW)		POWER STATION
	जलीय					HYDRO
(a)	रिहंद	6x50.0	300.00	6x50.0	300.00	Rihand
(b)	ओबरा	3x33.0	99.00	3x33.0	99.00	Obra
(c)	माताटीला	3x10.2	30.60	3x10.2	30.60	Matatilla
(d)	खारा	3x24.0	72.00	3x24.0	72.00	Khara
(e)	एमएमएच		25.30		25.30	MMH
(f)	विष्णुप्रयाग आईपीपी	4x110	440.00	4x110	440.00	VishnuPrayag IPP
(g)	अलकनंदा	4x82.5	330.00	4x82.5	330.00	Alaknanda
	कुल जलीय		**1296.90**		**1296.90**	**Total Hydro**
	तापीय					**THERMAL**
(h)	ओबरा ए	2x50+1X94	194.00	2x50+1X94	194.00	Obra A
(i)	ओबरा बी	5X200	1000.00	5X200	1000.00	Obra B
(j)	पनकी	2x105	210.00	2x105	210.00	Panki
(k)	हरदुआगंज - बी	1x60+1x105	165.00	1x60+1x105	165.00	Harduaganj - B
(l)	हरदुआगंज - सी	2x250	500.00	2x250	500.00	Harduaganj - C
(m)	परिछा ए,बी,सी	2x110+2x210+2x250	1140.00	2x110+2x210+2x250	1140.00	Paricha - A,B,C
(n)	अनपरा-ए	3x210	630.00	3x210	630.00	Anpara - A
(o)	अनपरा-बी	2x500	1000.00	2x500	1000.00	Anpara - B
(p)	अनपरा-सी(आइपीपी)	2x600	1200.00	2x600	1200.00	Anpara - C(IPP)
(q)	रोज़ा(आइपीपी)	4x300	1200.00	4x300	1200.00	Rosa (IPP)
(r)	बजाज ऊर्जा प्राइवेट लिमिटेड(आइपीपी)	10x45	450.00	10x45	450.00	Bajaj Energy Pvt. Ltd(IPP)
(s)	सह उत्पादन		981.00		981.00	Cogeneration
(t)	अनपरा- डी	2x500	1000.00	2x500	1000.00	Anpara - D
(u)	ललितपुर	2x660	1320.00	2x660	1320.00	Lalitpur
(v)	बारा	1x660	660.00	1x660	660.00	Bara
	कुल तापीय		**11650.00**		**11650.00**	**Total Thermal**
(w)	सोलर		102		102	Solar
	कुल उत्तर प्रदेश		**13048.90**		**13048.90**	**Total UP**
11	**उत्तराखंड**					**UTTARAKHAND**
	जलीय					HYDRO
(a)	खातिमा	3x13.8	41.40	3x13.8	41.40	Khatima
(b)	रामगंगा	3x66.0	198.00	3x66.0	198.00	Ramganga
(c)	गंगा नहर					Ganga Canal
	मोहम्मदपुर	3x3.1	9.30	3x3.1	9.30	Mohamedpur
	पथरी	3x6.8	20.40	3x6.8	20.40	Pathri
	चिल्ला	4x36.00	144.00	4x36.0	144.00	Chilla
(d)	यमुना (I&IV)					Yamuna (I & IV)
	धालीपुर	3x17.00	51.00	3x17.00	51.00	- Dhalipur
	धकरानी	3x11.25	33.75	3x11.25	33.75	- Dhakrani
	कुलहाल	3x10.00	30.00	3x10.00	30.00	- Kulhal
	छिबरो	4x60.0	240.00	4x60.0	240.00	Chibro
	खोदरी	4x30.0	120.00	4x30.0	120.00	Khodri
(e)	मनेरी भाली	3*30+4*76	394.00	3x30.0 +4x76	394.00	Maneri Bhali
(f)	अन्य सूक्ष्म जलीय(भिलांगना को मिला कर)		149.00		149.00	Other Small hydel(Including B
(g)	शुगर मिल		20.00		20.00	Sugar Mill
(h)	गाम्मा इन्फ्रा प्राइवेट लिमिटेड	3x75	225.00	3x75	225.00	Gamma Infra Private Limited
(i)	बायो गॅस/ फिउल		128.00		128.00	Bio Gas/Fuel
(j)	भिलांगना		25.00		25.00	Bhilangana
	कुल		**1828.85**		1828.85	**Total**
	कुल क्षेत्रीय(1 से 11)		**73439.84**		**73258.44**	**Total Region (1 to 11)**

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GROSS GENERATION OF POWER GENERATING STATIONS AND PLANT LOAD FACTOR (PLF) (OF THERMAL AND NUCLEAR POWER STATIONS) IN NORTHERN REGION AS ON 31.03.2018

	विद्युत उत्पादन केंद्र	MW	MU	%	MU	%	POWER STATION
		प्रभावी क्षमता	माह में उत्पादन	माह का पी.एल.एफ.	01.04.2017 से उत्पादन	01.04.2017 से पी.एल.एफ.	
		Effective Capacity	Gen. of the month	PLF of the month	Gen. since 01.04.2017	PLF since 01.04.2017	
1	केन्द्रीय क्षेत्र						
A	एन. टी. पी. सी.						
(a)	बदरपुर ता. वि. के.	705.00	0	0.00	1556.97	25.21	Badarpur T.P.S
(b)	सिंगरौली ता. वि. के.	2000.00	1074.78	72.23	14781.83	84.37	Singrauli STPS
(c)	रिहंद ता. वि. के.	3000.00	1980.34	88.72	23530.54	89.54	Rihand TPS
(d)	दादरी ता. वि. के.	840.00	815.78	60.25	9933.39	62.30	Dadri NCTPS
(e)	दादरी एनसीपीएस अवस्था II	980.00					Dadri NCPS Stage-II
(f)	ऊंचाहार-I ता. वि. के.	420.00	637.39	81.59	7092.48	73.14	Unchahar -I TPS
(g)	ऊंचाहार-II ता. वि. के.	420.00					Unchahar -II TPS
(h)	ऊंचाहार-III ता. वि. के.	210.00					Unchahar -III TPS
(i)	ऊंचाहार-IV ता. वि. के.	500.00					Unchahar -IV TPS
(j)	टांडा ता. वि. के.	440.00	278.5	85.07	3277.98	85.05	Tanda TPS
(k)	आन्टा गैस वि. के.	419.33	21.6	0.00	450.94	0.00	Anta GPS
(l)	औरैया गैस वि. के.	663.36	0	0.00	376.97	0.00	Auraiya GPS
(m)	दादरी गैस वि. के.	829.78	88.85	0.00	1627.81	0.00	Dadri GPS
(n)	फ़रीदाबाद गैस वि. के.	431.59	148.3	0.00	837.38	0.00	Faridabad GPS
(o)	झज्जर	1500.00	762.27	68.30	7734.53	58.86	ISTPS Jhajjar
(p)	कोलडेम हाइड्रो	800.00	75.9	0.00	3313.62	0.00	Koldam Hydro
	उप-योग	14159.06	5883.71		74514.44		Sub-Total
B	एन. एच. पी. सी.						NHPC
(a)	बैरासूल ज.वी.के.	180.00	0.00		0		Bairasiul
(b)	सलाल स्टेज - I	345.00	104.27		3247.09		Salal Stage - I
(c)	सलाल स्टेज - II	345.00					Salal Stage - II
(d)	टनकपुर ज.वी.के.	94.20	15.16		459.74		Tanakpur HPS
(e)	चमेरा-I ज.वी.के.	540.00	69.95		2344.08		Chamera HPS-I
(f)	चमेरा-II ज.वी.के.	300.00	45.10		1487.11		Chamera HPS-II
(g)	चमेरा-III ज.वी.के.	231.00	27.92		1068.05		Chamera HPS-III
(h)	ऊरी	480.00	176.31		2349.66		URI
(i)	ऊरी -2	240.00	101.61		1207.44		URI -2
(j)	धौलीगंगा	280.00	26.92		1153.16		Dhaulliganga
(k)	दुलहस्ती	390.00	79.53		2343.86		Dulhasti
(l)	सेवा-II	120.00	36.35		506.39		Sewa-II
(m)	पार्बती -3	520.00	11.01		710.53		Parbati -3
	उप-योग	4065.20	694.13		16877.11		Sub-Total
C	एन. पी. सी						NPC
(a)	रा. आ. ऊ. के. (अ)	300.00	598.65	74.50	8605.8	90.96	RAPS -A
(b)	रा. आ. ऊ. के. (ब)	440.00					RAPS -B
(c)	रा. आ. ऊ. के. (स)	440.00					RAPS-C
(d)	न. आ. ऊ. के.	440.00	311.47	95.15	3636.38	94.34	NAPS
	उप-योग	1620.00	910.12		12242.18		Sub-Total
D	एन. एल. सी						NLC
	बरसिंगसर	250.00	122.25	65.73	1648.81	75.29	Barsingsar
E	नाथपा-झाकरी+रामपुर	1912.02	255.54		9222.73		Nathpa-Jhakri + Rampur
F	टेहरी+कोटेश्वर	1400.00	303.38		4301.27		Tehri+Koteshwar
G	केंद्रीय आईपीपी						Regional IPP
(a)	एडीएचपीएल	192.00	11.46		683.01		ADHPL
(b)	करचम वंगतू हाइड्रो पावर स्टेशन	1000.00	109.88		4569.93		Karcham Wangtoo Hydro Power Station
(c)	मलाना स्टेज-II हाइड्रो पावर स्टेशन	100.00	5.96		368.89		Malana Stage-II Hydro power Station

31 मार्च 2018 को उत्तरी क्षेत्र के विद्युत उत्पादन केन्द्रों का उत्पादन तथा प्लान्ट लोड फैक्टर (पी.एल.एफ.) (तापीय और नाभिकीय विद्युत उत्पादन केन्द्रों का)

GROSS GENERATION OF POWER GENERATING STATIONS AND PLANT LOAD FACTOR (PLF) (OF THERMAL AND NUCLEAR POWER STATIONS) IN NORTHERN REGION AS ON 31.03.2018

	विद्युत उत्पादन केंद्र	MW	MU	%	MU	%	POWER STATION
		प्रभावी क्षमता	माह में उत्पादन	माह का पी.एल.एफ.	01.04.2017 से उत्पादन	01.04.2017 से पी.एल.एफ.	
		Effective Capacity	Gen. of the month	PLF of the month	Gen. since 01.04.2017	PLF since 01.04.2017	
(d)	बुधिल	70.00	4.67		317.63		Budhil
	उप-योग	**1362.00**	**131.97**		**5939.46**		**Sub-Total**
	कुल केन्द्रीय सैक्टर						**Total Central Sector**
	(ए+बी+सी+डी+ई+एफ+जी)	**24768.28**	**8301.10**		**124746.00**		(A+B+C+D+E+F+G)
2	**बी. बी. एम. बी**						**BBMB**
(a)	भाकड़ा कॉम्प्लेक्स						Bhakra Complex
	(i) भाकड़ा(एल)	540.00	381.45		5134.02		(i) Bhakra (L)
	(ii) भाकड़ा(आर)	785.00					(ii) Bhakra (R)
	(iii) गंगुवाल	77.65	54.8		494.09		(iii) Ganguwal
	(iv) कोटला	77.65	55.89		508.22		(iv) Kotla
	उप-योग	**1480.30**	**492.14**		**6136.33**		**Sub-Total**
(b)	देहर	990.00	90.84		3086.24		Dehar
(c)	पोंग	396.00	140.87		1641.57		Pong
	कुल बीबीएमबी	**2866.30**	**723.85**		**10864.14**		**Total BBMB**
3	**दिल्ली**						DELHI
	तापीय						THERMAL
(a)	राजघाट	135.00	0		0		Rajghat
(b)	दिल्ली गैस टरबाइन	270.00	44.95		578.8		Delhi.Gas Turbines
(c)	प्रगति गैस टरबाइन	330.40	96.4		1955.4		Pragati Gas Turbines
(d)	रिठाला गैस टरबाइन	108.00	0		0		Rithala
(e)	प्रगति गैस टरबाइन-III	1500.00	248.86		2957.53		Pragati CCGT-III
	कुल दिल्ली	**2343.40**	**390.21**		**5491.73**		**Total DELHI**
4	**हरियाणा**						**HARYANA**
	तापीय						THERMAL
(a)	पानीपत	920.00	468.96	68.51	2579.45	32.01	Panipat
(b)	डीसीआरटीपीपी (यमुना नगर)	600.00	181.45	40.65	3448.13	65.60	DCRTPP (Yamuna Nagar)
(c)	आरजीटीपीपी खेदर	1200.00	554.82	62.14	4681.01	44.53	RGTPP Kheddar
(d)	झज्जर-सी एल पी (आईपीपी)	1320.00	789.31	80.37	7325.47	63.35	Jhajjar-CLP (IPP)
	कुल तापीय	**4040.00**	**1994.54**		**18034.06**		**Total Thermal**
	कुल हरियाणा	**4040.00**	**1994.54**		**18034.06**		**Total HARYANA**
5	**हिमाचल प्रदेश**						**HP**
	जलीय						HYDRO
(a)	गिरि	60.00	4.53		169.94		Giri
(b)	बस्सी	66.00	6.01		315.17		Bassi
(c)	कशांग इंटीग्रेटेड	195.00	3.47		197.13		Kashang Integrated HPS
(d)	सैन्ज	100.00	9.2		134.99		Sainj HPS
(e)	संजय	120.00	18.13		493.39		Sanjay HPS
(f)	चंजू-I	36.00	3.96		79.42		Chanju-I HPS
(g)	लार्जी	126.00	17.75		612.36		Larji
(h)	मलाना (आईपीपी)	86.00	6.08		346.29		Malana(IPP)
(i)	बसपा (आईपीपी)	300.00	27.88		1336.65		Baspa(IPP)
	कुल हिमाचल प्रदेश	**1089.00**	**97.01**		**3685.34**		**Total HP**
6	**जम्मू और कश्मीर**						**J & K**
	जलीय						HYDRO
(a)	निचली झेलम	105.00	40.22		480.99		Lower Jhelum
(b)	ऊपरी सिंध	105.00	4.77		327.24		Upper Sindh
(c)	बगलिहार(स्टेज 1 और 2)	900.00	110.72		4328.66		Baglihar(Stage 1 and 2)
(d)	नीमो बाजगो	45.00	10.45		98.83		Neemo Baazgo
(e)	चूतक	44.00	3.73		45.72		Chutak

31 मार्च 2018 को उत्तरी क्षेत्र के विद्युत उत्पादन केन्द्रों का उत्पादन तथा प्लान्ट लोड फैक्टर (पी.एल.एफ.) (तापीय और नाभिकीय विद्युत उत्पादन केन्द्रों का)

GROSS GENERATION OF POWER GENERATING STATIONS AND PLANT LOAD FACTOR (PLF) (OF THERMAL AND NUCLEAR POWER STATIONS) IN NORTHERN REGION AS ON 31.03.2018

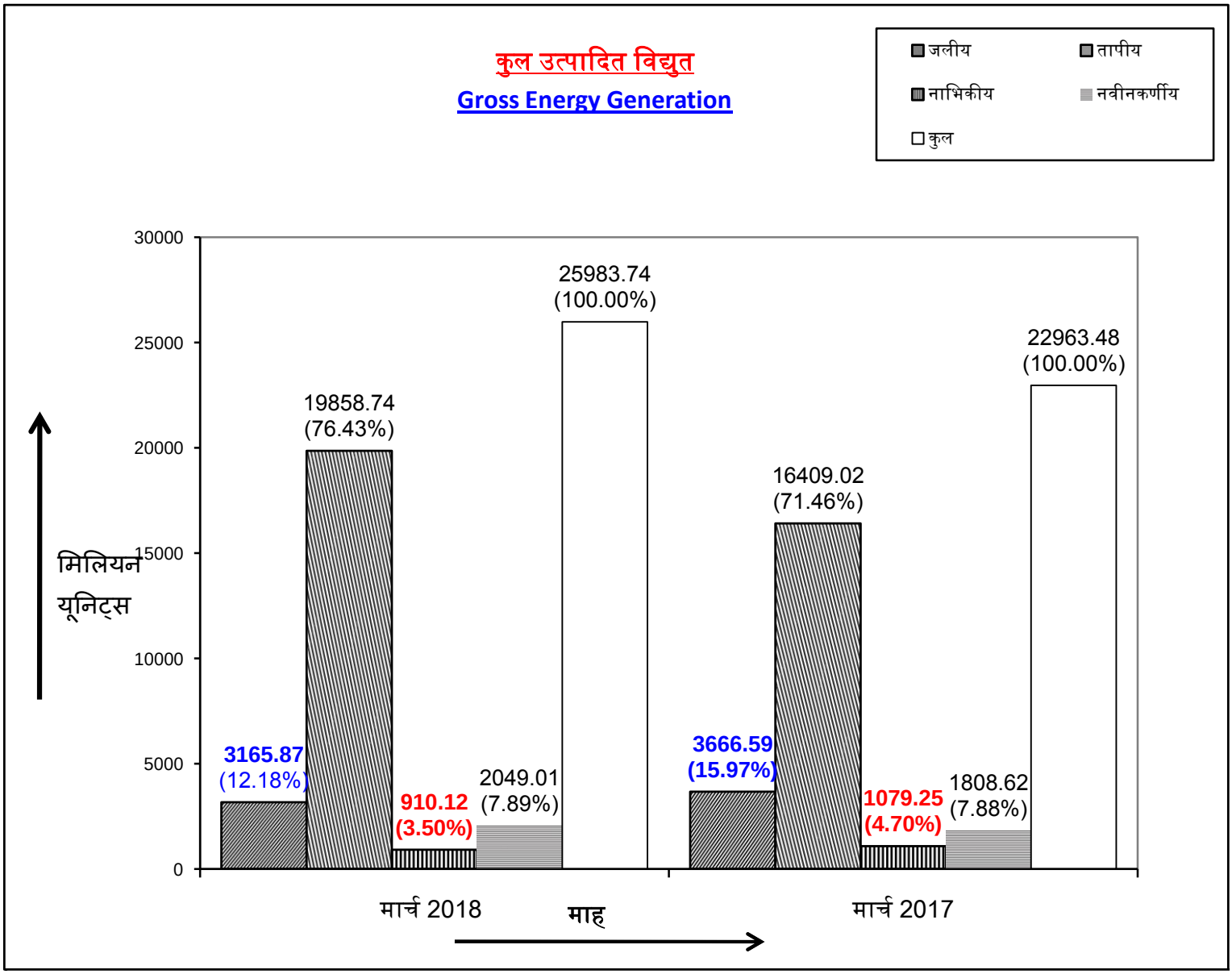
	विद्युत उत्पादन केंद्र	MW	MU	%	MU	%	POWER STATION
		प्रभावी क्षमता	माह में उत्पादन	माह का पी.एल.एफ.	01.04.2017 से उत्पादन	01.04.2017 से पी.एल.एफ.	
		Effective Capacity	Gen. of the month	PLF of the month	Gen. since 01.04.2017	PLF since 01.04.2017	
	कुल जलीय	**1199.00**	**169.89**		**5281.44**		**Total Hydro**
	जम्मू कश्मीर						**J & K (Contd.)**
	गैस टरबाइन						GAS TURBINES
(f)	पंपोर जी.टी. स्टे - I	75.00	0.00		0.00		Pampore GT St - I
(g)	पंपोर जी.टी. स्टे - II	100.00	0.00		0.00		Pampore GT St - II
	कुल गैस	**175.00**	**0**		**0**		**Total Gas**
	कुल जम्मू और कश्मीर	**1374.00**	**169.89**		**5281.44**		**Total J & K**
7	**पंजाब**						**PUNJAB**
	जलीय						HYDRO
(a)	जोगिंदर नगर /शानन	110.00	10.21		508.52		Jogindernagar/Shanan
(b)	मुकेरियान	207.00	121.25		1270.76		Mukerian
(c)	आनंदपुर साहिब	134.00	54.01		647.81		Anandpur Sahib (APS)
(d)	रंजीत सागर	600.00	39.68		1803.42		Ranjit Sagar (Thein Dam)
	कुल जलीय	**451.00**	**185.47**		**2427.09**		**Total Hydro**
	तापीय						THERMAL
(e)	गुरु नानक देव	440.00	0	0.00	301.33	7.82	Guru Nanak Dev
	ता.वि.के. (भटिंडा)						TPS (Bhatinda)
(f)	गुरु गोबिन्द सिंह	1260.00	320.61	34.20	2274.36	20.61	Guru Gobind Singh
	ता.वि.के. (रोपर)						TPS (Ropar)
(g)	लेहरा मोहब्बत ता.वि.के.	920.00	413.25	60.37	2944.5	36.54	Lehra Mohabbat TPS
(h)	राजपुरा	1400.00	962.28	92.38	9110.04	74.28	Rajpura
(i)	तलवंडी साबू	1980.00	795.35	53.99	8556.82	49.33	Talwandi Saboo
(j)	गोइंदवाल साहिब	540.00	121.25	30.18	1541	32.58	Goindwal Sahib
	कुल तापीय	**6540.00**	**2612.74**		**24728.05**		**Total Thermal**
	कुल पंजाब	**6991.00**	**2798.21**		**27155.14**		**Total PUNJAB**
8	**राजस्थान**						**RAJASTHAN**
	जलीय						HYDRO
(a)	माही बजाज सागर	140.00	22.94		180.17		Mahi Bajaj Sagar
(b)	राणा प्रताप सागर	172.00	40.35		378.26		Rana Pratap Sagar (RPS)
(c)	जवाहर सागर	99.00	26.2		261.1		Jawahar Sagar (JS)
	कुल जलीय	**411.00**	**89.49**		**819.53**		**Total Hydro**
	तापीय						THERMAL
(d)	कोटा ता.वि.के.	1240.00	717.75	77.80	7213.05	66.40	Kota TPS
(e)	सूरतगढ़ ता.वि.के.	1500.00	455.81	40.84	4964.36	37.78	Suratgarh TPS
(f)	रामगढ़ गैस विस्तार	273.80	127.96	0.00	1448.68	0.00	RAMGARH GT EXT
(g)	गिराल एलटीपीएस	250.00	0	0.00	0	0.00	Giral LTPS
(h)	ढोलपुर सीसीपीपी	330.00	0	0.00	247.72	0.00	Dholpur CCPP
(i)	छाबरा टीपीएस	1660.00	964.36	92.12	7630.44	71.37	Chhbra TPS
(j)	राज(पश्चिम)	1080.00	637.36	79.32	6855.95	72.47	RajWest
(k)	कालिसिन्ध	1200.00	757.58	84.85	6691.18	63.65	Kalisindh
(l)	कवई	1320.00	179.96	18.32	5067.15	43.82	Kawai
	कुल तापीय	**8853.80**	**3840.78**		**40118.53**		**Total Thermal**
	कुल राजस्थान	**9264.80**	**3930.27**		**40938.06**		**Total RAJASTHAN**

31 मार्च 2018 को उत्तरी क्षेत्र के विद्युत उत्पादन केन्द्रों का उत्पादन तथा प्लान्ट लोड फैक्टर (पी.एल.एफ.) (तापीय और नाभिकीय विद्युत उत्पादन केन्द्रों का)

GROSS GENERATION OF POWER GENERATING STATIONS AND PLANT LOAD FACTOR (PLF) (OF THERMAL AND NUCLEAR POWER STATIONS) IN NORTHERN REGION AS ON 31.03.2018

	विद्युत उत्पादन केंद्र	MW	MU	%	MU	%	POWER STATION
		प्रभावी क्षमता	माह में उत्पादन	माह का पी.एल.एफ.	01.04.2017 से उत्पादन	01.04.2017 से पी.एल.एफ.	
		Effective Capacity	Gen. of the month	PLF of the month	Gen. since 01.04.2017	PLF since 01.04.2017	
9	उत्तर प्रदेश						UP
	जलीय						HYDRO
(a)	रिहंद	300.00	50.21		833.78		Rihand
(b)	ओबरा	99.00	21.23		299.96		Obra
(c)	माताटीला	30.60	5.18		93.81		Matatilla
(d)	खारा	72.00	10.11		259.14		Khara
	कुल जलीय	**501.60**	**86.73**		**1486.69**		**Total Hydro**
	तापीय						THERMAL
(e)	ओबरा ए	188.00	250.13	28.30	4313.9	40.43	Obra A
(f)	ओबरा बी	1000.00					Obra B
(g)	पनकी	210.00	0	0.00	338.69	20.12	Panki
(h)	हरदुआगंज - बी	105.00	345.63	76.79	3850.52	70.32	Harduaganj - B
(i)	हरदुआगंज - सी	500.00					Harduaganj - C
(j)	परिछा ए,बी,सी	1140.00	563.54	66.44	6427.09	64.36	Paricha - A,B,C
(k)	अनपरा-ए	630.00	1444.82	73.84	16618.51	72.13	Anpara - A
(l)	अनपरा-बी	1000.00					Anpara - B
(m)	अनपरा- डी	1000.00					Anpara - D
(n)	रोज़ा(आइपीपी)	1200.00	599.9	67.19	7718.8	73.43	Rosa (IPP)
(o)	बजाज ऊर्जा प्राइवेट लिमिटेड(आइपीपी)	450.00	57.21	17.09	924.4	23.45	Bajaj Energy Pvt. Ltd(IPP)
(p)	अनपरा-सी (आइपीपी)	1200.00	753.85	84.44	8397.1	79.88	Anpara - C (IPP)
(q)	ललितपुर	1980.00	615.8	41.80	8565.92	49.39	Lalitpur
(r)	प्रयागराज	1980.00	451.31	30.64	5635.06	33.74	Prayag Raj
	कुल तापीय	**12583.00**	**5082.19**		**62789.99**		**Total Thermal**
	कुल उत्तर प्रदेश	**13084.60**	**5168.92**		**64276.68**		**Total UP**
10	उत्तराखंड						UTTARAKHAND
	जलीय						HYDRO
(a)	खातिमा	41.40	10.65		212.6		Khatima
(b)	रामगंगा	198.00	26.07		250.64		Ramganga
(c)	चिल्ला	144.00	51.33		811.66		Chilla
(d)	यमुना (I&IV)						Yamuna (I & IV)
	धालीपुर	51.00	6.3		186.71		- Dhalipur
	धकरानी	33.75	4.43		129.68		- Dhakrani
	कुलहाल	30.00	5.34		123.97		- Kulhal
	छिबरो	240.00	25.18		783.57		Chibro
	खोदरी	120.00	11.67		355.75		Khodri
(e)	मनेर भाली-I	90.00	18.26		394.77		Maner Bhali - I
(f)	मनेर भाली-II	304.00	41.89		1276.65		Maner Bhali - II
(g)	श्रीनगरं	330.00	31.81		1382.54		Srinagar
(h)	विष्णु प्रयाग	400.00	48.67		2160.9		Vishnu Prayag
(i)	गाम्मा इन्फ्रा प्राइवेट लिमिटेड	225.00	0		560.66		Gamma Infra Private Limited
(j)	काशीपुर गैस	225.00	0		1062.33		Kashipur CCPP
	कुल	**2432.15**	**281.6**		**9692.43**		**Total**
	कुल क्षेत्रीय(1 से 10)	**68253.53**	**23855.60**		**310165.02**		**Total Region (1 to 10)**

कुल उत्पादित विद्युत
Gross Energy Generation

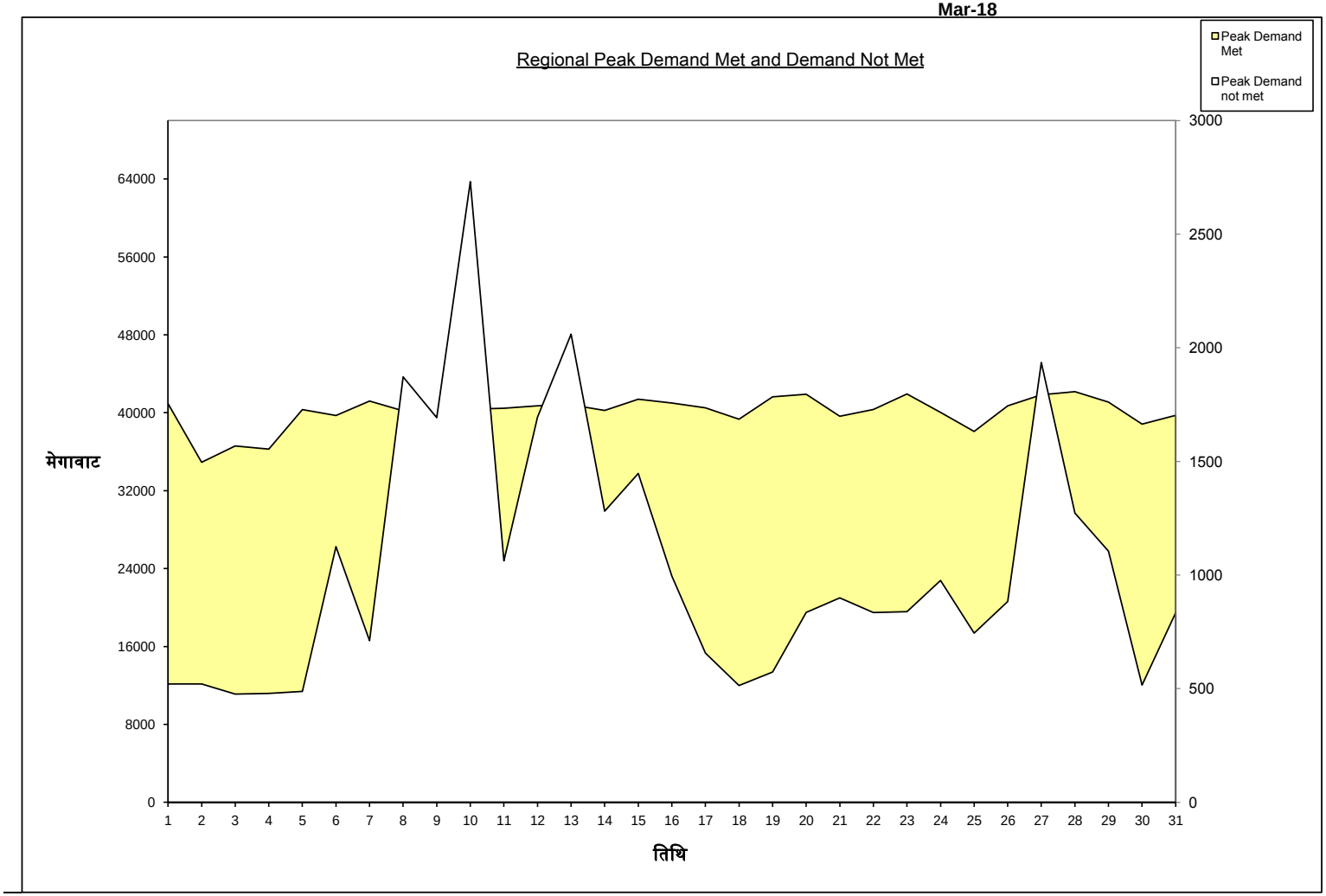


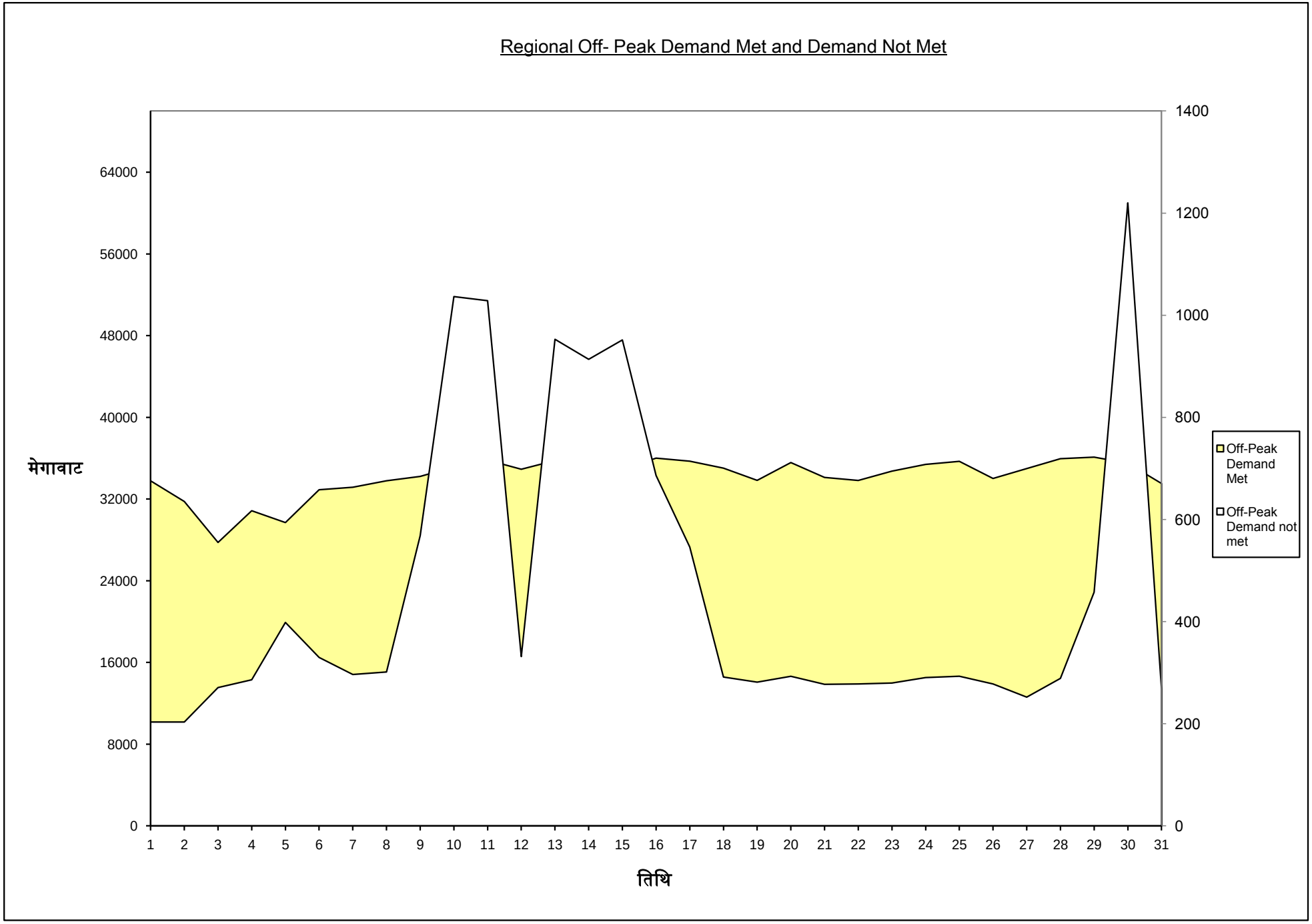
	विद्युत आपूर्ति की स्थिति				मार्च 2018
	POWER SUPPLY POSITION				Mar-18
	Average Energy (Net)				in MUs
राज्य/केन्द्र शासित	उर्जा उपलब्धता	उर्जा माँग	उर्जा उर्जा अनापूर्ति Energy not supplied		State / UT
	Energy Availability	Energy Requirement	MU	%	
चण्डीगढ़	96	96	0	0.0	Chandigarh
दिल्ली	2053	2053	0	0.0	Delhi
हरियाणा	3987	3987	0	0.0	Haryana
हिमाचल प्रदेश	768	773	5	0.6	H.P.
जम्मू व कश्मीर	1342	1673	331	19.8	J & K
पंजाब	3752	3752	0	0.0	Punjab
राजस्थान	5934	5950	16	0.3	Rajasthan
उत्तर प्रदेश	9127	9264	137	1.5	U.P.
उत्तराखण्ड	1076	1076	0	0.0	Uttarakhand
क्षेत्रीय	**28135**	**28624**	**489**	**1.7**	**Region**
	Demand				in MW
राज्य/केन्द्र शासित	अधिकतम माँग	अधिकतम उपलब्धता	माँग की पूर्ति में कमी Demand not met		State / UT
	Peak demand	Demand Met	MW	%	
चण्डीगढ़	232	232	0	0.0	Chandigarh
दिल्ली	3766	3766	0	0.0	Delhi
हरियाणा	6815	6815	0	0.0	Haryana
हिमाचल प्रदेश	1494	1494	0	0.0	H.P.
जम्मू व कश्मीर	2703	2162	541	25.0	J & K
पंजाब	6687	6687	0	0.0	Punjab
राजस्थान	10723	10723	0	0.0	Rajasthan
उत्तर प्रदेश	15789	15223	566	3.7	U.P.
उत्तराखण्ड	1886	1886	0	0.0	Uttarakhand

Peak Demand(MW)=44348
Peak Met(MW)=43777

Mar-18

तिथि DATE	अधिकतम उपलब्धता Peak Demand Met	अधिकतम माँग की पूर्ति में कमी Demand not met
1	40934	521
2	34911	521
3	36586	476
4	36261	479
5	40321	488
6	39713	1125
7	41196	711
8	40192	1872
9	39634	1693
10	40363	2731
11	40458	1063
12	40709	1695
13	40811	2060
14	40233	1281
15	41385	1447
16	40995	996
17	40500	657
18	39333	514
19	41630	573
20	41895	836
21	39635	900
22	40332	835
23	41923	839
24	40034	976
25	38077	744
26	40705	884
27	41838	1935
28	42162	1273
29	41088	1105
30	38831	516
31	39729	834




Regional Off- Peak Demand Met and Demand Not Met
मेगावाट
64000
56000
48000
40000
32000
24000
16000
8000
0
1400
1200
1000
800
600
400
200
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
तिथि
Off-Peak Demand Met
Off-Peak Demand not met

उत्तरी क्षेत्र में वर्तमान वर्ष के दौरान पिछले वर्ष की तुलना में विद्युत आपूर्ति की स्थिति

POWER SUPPLY POSITION IN NORTHERN REGION DURING CURRENT YEAR AS COMPARED TO PREVIOUS YEAR

मार्च 2018
Mar-18

अ. औसत ऊर्जा (नेट) / A. AVERAGE ENERGY (NET)

माह	2017-2018 मॉंग (मि.यू.) REQUIREMENT (MU)	2017-2018 उपलब्धता (मि.यू.) AVAILABILITY (MU)	2017-2018 ऊर्जा पूर्ति में कमी (मि.यू.) Energy not supplied (MU)	2017-2018 ऊर्जा पूर्ति में कमी (%) Energy not supplied (%)	2017-2018 औसत आवृत्ति (हर्ट्ज) AVERAGE FREQUENCY (Hz)	2016-2017 मॉंग (मि.यू.) REQUIREMENT (MU)	2016-2017 उपलब्धता (मि.यू.) AVAILABILITY (MU)	2016-2017 ऊर्जा पूर्ति में कमी (मि.यू.) Energy not supplied (MU)	2016-2017 ऊर्जा पूर्ति में कमी (%) Energy not supplied (%)	2016-2017 औसत आवृत्ति (हर्ट्ज) AVERAGE FREQUENCY (Hz)	MONTH
अप्रैल	28308	27886	421	1.5	49.99	27468	26603	865	3.1	49.98	APRIL
मई	33900	33357	542	1.6	49.99	31092	30621	470	1.5	50.00	MAY
जून	33672	33202	470	1.4	50.00	33477	33035	442	1.3	49.99	JUNE
जुलाई	36168	35653	514	1.4	50.00	33061	32788	274	0.8	50.01	JULY
अगस्त	36792	36236	556	1.5	49.99	32077	31648	429	1.3	50.00	AUGUST
सितम्बर	34454	33824	630	1.8	49.97	33342	32671	670	2.0	50.00	SEPTEMBER
अक्तूबर	31786	31096	690	2.2	49.97	29158	28755	404	1.4	50.00	OCTOBER
नवम्बर	26093	25637	456	1.7	49.96	24452	23948	504	2.1	49.99	NOVEMBER
दिसम्बर	27581	27123	458	1.7	49.98	26744	26233	511	1.9	49.99	DECEMBER
जनवरी	28874	28361	513	1.8	49.98	26846	26373	474	1.8	50.00	JANUARY
फरवरी	25681	25213	468	1.8	49.98	24736	24358	378	1.5	50.00	FEBRUARY
मार्च	26719	26480	239	0.9	49.97	26719	26480	239	0.9	49.99	MARCH

मार्च 2018

ब. अधिकतम मॉंग / B. PEAK DEMAND

माह	2017-2018 अधिकतम मॉंग (मेगावाट) PEAK DEMAND (MW)	2017-2018 अधिकतम उपलब्धता (मेगावाट) PEAK MET (MW)	2017-2018 अधिकतम मॉंग की पूर्ति में कमी (मेगावाट) Demand not met (MW)	2017-2018 अधिकतम मॉंग की पूर्ति में कमी प्रतिशत में % Demand not met	2017-2018 औसत आवृत्ति (हर्ट्ज) AVERAGE FREQUENCY (Hz)	2016-2017 अधिकतम मॉंग (मेगावाट) Peak Demand (MW)	2016-2017 अधिकतम उपलब्धता (मेगावाट) Peak Met (MW)	2016-2017 अधिकतम मॉंग की पूर्ति में कमी (मेगावाट) Demand not met (MW)	2016-2017 अधिकतम मॉंग की पूर्ति में कमी प्रतिशत में % Demand not met	2016-2017 औसत आवृत्ति (हर्ट्ज) AVERAGE FREQUENCY (Hz)	MONTH
अप्रैल	50213	49643	570	1.1	49.99	47520	44934	2586	5.4	49.98	APRIL
मई	52517	51820	697	1.3	49.99	50644	49977	667	1.3	50.00	MAY
जून	56119	54890	1229	2.2	50.00	53372	52612	760	1.4	49.99	JUNE
जुलाई	56398	55865	533	0.9	50.00	52151	51658	493	0.9	50.01	JULY
अगस्त	60749	58448	2301	3.8	49.99	51426	50081	1345	2.6	50.00	AUGUST
सितम्बर	61159	58230	2929	4.8	49.97	52772	51816	956	1.8	50.00	SEPTEMBER
अक्तूबर	51307	50289	1018	2.0	49.97	48963	48514	449	0.9	50.00	OCTOBER
नवम्बर	43240	42390	850	2.0	49.96	41535	41082	453	1.1	49.99	NOVEMBER
दिसम्बर	46038	45360	678	1.5	49.98	45782	44389	1393	3.0	49.99	DECEMBER
जनवरी	47214	46252	962	2.0	49.98	44985	44447	538	1.2	50.00	JANUARY
फरवरी	47171	46578	593	1.3	49.98	43827	43098	729	1.7	50.00	FEBRUARY
मार्च	46127	45659	468	1.0	49.97	46127	45659	468	1.0	49.99	MARCH

	अन्तरक्षेत्रीय विनिमय		मार्च 2018			
	INTER-REGIONAL EXCHANGES		Mar-18			
						(All Figures in MU)
क्रम सं.	वोल्टेज	पारेषण लाईनों	आयात	निर्यात	नेट	Transmission Lines
			IMPORT	EXPORT	NET	
		पश्चिमी ग्रिड (से / को)				**(From / To) WR over**
1)	एच.वी.डी.सी.	विन्ध्याचल बैक-टू-बैक	48.27	58.78	-10.50	Vindhyachal Back-to-Back
2)	400 कि.वो.	आगरा-ग्वालियर	1477.41	0.00	1477.41	Agra-Gwalior
3)	"	कांकरोली-ज़र्दा	0.00	228.21	-228.21	Kankroli-Zerda
4)	"	भीनमल-ज़र्दा	0.00	185.55	-185.55	Bhinmal - Zerda
5)	220 कि.वो.	औरैय्या-मालनपुर	0.00	59.91	-59.91	Auraiya-Malanpur
6)	"	कोटा/मोरक-बडोड	0.59	33.18	-32.60	Kota/Morak-Badod
		पूर्वी ग्रिड / नेपाल (से / को)				**(From / To) ER / Nepal over**
7)	400 कि.वो.	सासाराम बाईपास	57.00	4.64	52.35	Sasaram Bypass
8)	"	गोरखपुर-मुजफ्फरपुर	114.88	0.00	114.88	Gorakhpur-Muzaffarpur
9)	"	बलिया-पटना	453.74	0.00	453.74	Balia-Patna
10)	"	बलिया-बिहारशरीफ	133.09	0.00	133.09	Balia-Biharshariff
11)	220 कि.वो.	साहुपुरी-पुसौली	95.81	0.00	95.81	Sahupuri-Pusauli
12)	765 कि.वो.	सासाराम फतेहपुर	15.36	16.72	-1.36	Sasaram Fatehpur
13)	"	गया - बलिया	189.70	19.44	170.26	Gaya- Balia
14)	एच.वी.डी.सी.	मुंद्रा - मोहिन्दरगढ़	276.30	0.00	276.30	Mundra-Mohindragarh
15)	765 कि.वो.	गया - वाराणसी	148.89	0.00	148.89	Gaya Varanasi
16)	400 कि.वो.	रिहन्द - विन्ध्याचल	0.00	701.92	-701.92	Rihand Vindhyachal
17)	"	बाढ़ - गोरखपुर	166.69	0.00	166.69	Barh Gorakhpur
18)	765 कि.वो.	फागी - ग्वालियर	690.47	0.00	690.47	Phagi Gwalior
19)	एच.वी.डी.सी.	बिश्वनाथ चिरियेल्ली	46.56	138.57	-92.01	Bishwanath Chirialli
20)	400 कि.वो.	बिहारशरीफ वाराणसी	40.58	3.54	37.04	Biharsharif Varanasi
21)	"	आर.ए.पी.पी. सी - सुजालपुर	131.45	0.00	131.45	RAPP C - Sujalpur
22)		टनकपुर - महेंदर नगर (नेपाल)	0.00	16.72	-16.72	Tanakpur - Mahendernagar (Nepal)
23)	एच.वी.डी.सी.	चम्पा कुरुक्षेत्र	1330.37	0.00	1330.37	Champa Kurushetra
24)	765 कि.वो.	सासाराम इलाहाबाद	33.09	18.05	15.04	Sasaram Allahabad
25)	132 कि.वो.	क'नासा साहापुरी	7.69	0.00	7.69	K'nasa-Sahapuri
26)	"	सोन नगर - रिहन्द	0.00	0.00	0.00	Son Nagar-rihand
	कुल आयात / निर्यात / नेट		**5457.92**	**1485.22**	**3972.70**	**Total Import / Export / Net**

Frequency Profile

April, 2017 to March, 2018

Northern / Western / Eastern / North-Eastern/ Southern Regions

Month	% of Time when Frequency was					
	Below 49.9 Hz	Between 49.9-50.05 Hz	Above 50.05 Hz	Average Frequency	Max. Freq.	Min. Freq.
April, 2017	11.23	74.81	13.95	49.99	50.26	49.66
May, 2017	11.93	73.34	14.73	49.99	50.32	49.64
June, 2017	8.02	76.96	15.02	50.00	50.24	49.72
July, 2017	8.27	77.37	14.36	50.00	50.23	49.69
Aug' 2017	10.82	76.30	12.88	49.99	50.20	49.65
Sep' 2017	11.77	78.50	8.94	49.97	50.32	49.61
Oct' 2017	13.31	77.39	9.62	49.97	50.20	49.67
Nov' 2017	16.91	73.53	9.78	49.96	50.27	49.62
Dec' 2017	12.86	73.86	13.67	49.98	50.25	49.70
Jan' 2018	11.15	77.94	11.12	49.98	50.29	49.62
Feb' 2018	9.70	80.25	10.18	49.98	50.21	49.70
Mar' 2018	13.26	79.17	7.69	49.97	50.25	49.75
Average	**11.60**	**76.62**	**11.83**	**49.98**	**50.25**	**49.67**

Note: The above frequency profile is based on figures in Southern Region during the period. However, frequency profile of other Regions may be slightly different due to de-synchronisation of SR Grid with NEW Grid for certain period.

Frequency Profile -Detailed

Date	Percentage of Time System Frequency Remained										Frequency (Hz)					Average	FDI %age
												Maximum		Minimum			
	<49.2	<49.7	<49.8	<49.9	<50.0	49.9-50.05	50.05-50.10	>50.10	>50.20	>50.50	FVI	Freq	Time	Freq	Time		
01	0.00	0.00	0.23	12.93	72.74	81.28	5.39	0.42	0.00	0.00	0.05	50.16	18.02	49.77	6.44	49.96	18.72
02	0.00	0.00	0.23	2.00	50.99	82.69	13.39	2.65	0.00	0.00	0.03	50.17	12.01	49.82	0.08	49.99	17.31
03	0.00	0.00	0.00	4.91	52.86	85.12	8.81	1.24	0.00	0.00	0.03	50.15	18.01	49.83	15.50	49.99	14.88
04	0.00	0.00	0.00	7.63	67.64	85.56	6.27	0.57	0.00	0.00	0.03	50.15	18.01	49.84	15.44	49.98	14.44
05	0.00	0.00	0.71	20.65	78.47	75.05	3.66	0.67	0.00	0.00	0.06	50.15	13.02	49.76	11.14	49.95	24.95
06	0.00	0.00	0.02	15.30	76.89	79.63	4.36	0.67	0.00	0.00	0.05	50.16	13.02	49.79	18.26	49.96	20.37
07	0.00	0.00	1.09	18.36	78.82	77.15	3.89	0.61	0.00	0.00	0.06	50.17	13.02	49.76	15.44	49.95	22.85
08	0.00	0.00	1.70	22.85	82.19	74.13	2.28	0.75	0.00	0.00	0.07	50.18	18.01	49.75	11.30	49.94	25.87
09	0.00	0.01	3.81	32.89	86.82	64.27	2.55	0.3	0.00	0.00	0.10	50.13	18.01	49.69	18.42	49.92	35.73
10	0.00	0.01	0.57	21.11	80.28	74.91	3.13	0.86	0.00	0.00	0.06	50.16	18.02	49.76	9.09	49.95	25.09
11	0.00	0.00	0.00	13.01	75.53	83.02	3.28	0.74	0.00	0.00	0.05	50.20	18.02	49.80	12.09	49.96	16.98
12	0.00	0.00	0.00	13.18	75.85	82.41	3.56	0.86	0.00	0.00	0.05	50.14	12.02	49.81	9.18	49.96	17.59
13	0.00	0.00	1.02	14.21	74.21	80.28	4.50	1.23	0.00	0.00	0.05	50.18	18.02	49.75	23.49	49.96	19.72
14	0.00	0.08	1.23	15.20	74.26	79.29	4.25	1.30	0.00	0.00	0.05	50.17	12.01	49.68	21.19	49.96	20.71
15	0.00	0.08	1.23	15.20	74.26	79.29	4.25	1.30	0.00	0.00	0.05	50.17	12.01	49.68	21.19	49.96	20.71
16	0.00	0.00	0.06	5.56	60.97	85.31	7.78	1.39	0.00	0.00	0.03	50.16	18.18	49.79	22.08	49.98	14.69
17	0.00	0.00	0.00	3.43	56.94	86.18	9.40	1.30	0.00	0.00	0.03	50.15	13.00	49.81	9.16	49.99	13.82
18	0.00	0.00	0.00	1.85	50.84	85.64	10.76	1.81	0.00	0.00	0.02	50.16	14.03	49.84	18.59	50.00	14.36
19	0.00	0.00	0.00	8.73	58.12	79.91	9.64	1.77	0.00	0.00	0.04	50.17	6.03	49.81	10.40	49.98	20.09
20	0.00	0.00	0.00	7.79	64.95	83.50	7.20	1.54	0.00	0.00	0.03	50.17	18.04	49.82	14.14	49.98	16.50
21	0.00	0.00	0.14	6.33	61.54	86.17	6.60	0.75	0.16	0.00	0.03	50.25	13.03	49.79	18.45	49.98	13.83
22	0.00	0.00	0.19	15.08	72.67	79.36	5.21	0.57	0.00	0.00	0.05	50.13	12.03	49.79	21.04	49.96	20.64
23	0.00	0.00	0.00	7.28	60.69	81.82	10.05	1.25	0.00	0.00	0.03	50.16	14.02	49.81	21.12	49.98	18.18
24	0.00	0.00	0.14	15.30	75.99	79.27	4.13	1.41	0.05	0.00	0.05	50.24	18.02	49.77	21.06	49.96	20.73
25	0.00	0.00	1.00	15.46	73.70	78.48	5.19	1.08	0.03	0.00	0.05	50.20	18.01	49.74	15.26	49.96	21.52
26	0.00	0.00	1.00	15.46	73.70	78.48	5.19	1.08	0.03	0.00	0.05	50.20	18.01	49.74	15.26	49.96	21.52
27	0.00	0.00	1.66	24.79	72.38	68.40	5.53	1.28	0.03	0.00	0.08	50.17	7.59	49.73	15.46	49.95	31.60
28	0.00	0.00	0.79	28.74	84.10	67.55	3.10	0.64	0.00	0.00	0.08	50.14	18.02	49.73	21.05	49.94	32.45
29	0.00	0.00	2.97	19.87	75.15	74.64	5.01	0.66	0.00	0.00	0.07	50.18	6.01	49.71	0.14	49.95	25.36
30	0.00	0.00	0.01	4.87	53.38	80.27	12.87	2.51	0.09	0.00	0.03	50.22	6.03	49.80	0.09	49.99	19.73
31	0.00	0.00	0.00	1.09	36.72	75.07	17.62	6.24	0.01	0.00	0.03	50.20	18.01	49.87	14.41	50.02	24.93
Max	0.00	0.08	3.81	32.89	86.82	86.18	17.62	6.24	0.16	0.00	0.10	50.25	13.03	49.87			35.73
Min	0.00	0.00	0.00	1.09	36.72	81.28	2.28	0.30	0.00	0.00	0.02	50.13		49.68	21.19		13.82
Average	**0.00**	**0.01**	**0.64**	**13.26**	**68.83**	**79.17**	**6.41**	**1.27**	**0.01**	**0.00**	0.05	50.17		49.77		**49.97**	20.83

Voltage Profile During March 2018

Date	400 KV Rihand Voltage (KV)				400 KV Gorakhpur Voltage (KV)				400 KV Bareilly Voltage (KV)				400 KV Kanpur Voltage (KV)			
	Maximum		Minimum		Maximum		Minimum		Maximum		Minimum		Maximum		Minimum	
	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time
01	404	0:28	400	23:11	415	4:06	396	19:35	417	4:03	402	9:37	420	4:03	406	18:57
02	403	12:31	401	0:00	415	4:03	400	18:54	420	4:01	405	18:57	418	4:00	406	18:53
03	401	0:00	401	0:00	418	12:53	400	18:41	422	3:02	403	18:40	420	3:59	408	7:33
04	406	7:32	401	0:00	417	8:03	397	18:40	422	23:43	404	11:55	420	3:02	408	11:50
05	406	13:34	401	0:00	417	13:01	398	18:44	422	0:28	404	9:28	420	0:27	408	9:07
06	405	12:31	401	0:00	420	13:02	401	19:18	421	13:02	404	7:08	421	13:03	408	6:22
07	405	13:02	400	9:10	414	4:00	402	9:21	418	0:00	391	10:30	418	4:00	404	9:22
08	406	16:42	401	0:00	412	3:57	402	11:26	416	4:01	399	11:30	418	20:01	406	11:24
09	407	18:00	399	22:37	413	5:32	401	11:19	416	19:58	400	11:19	417	20:44	404	6:41
10	407	20:35	391	14:55	413	23:25	400	18:39	417	5:57	403	18:45	417	20:44	406	18:39
11	406	9:56	400	6:39	414	3:35	402	18:43	416	20:56	402	7:12	416	16:29	406	22:48
12	403	12:00	399	10:31	412	5:58	401	18:20	417	21:17	401	10:43	416	21:17	406	11:10
13	406	16:55	399	9:08	413	6:01	398	18:41	417	21:46	402	18:41	419	21:40	407	11:07
14	407	5:00	401	22:10	416	4:57	399	18:38	419	4:58	402	15:22	421	4:59	409	15:19
15	405	11:43	400	17:40	417	3:37	400	18:19	419	5:02	402	18:42	420	5:00	408	18:46
16	407	23:59	400	0:57	417	4:01	400	18:53	417	5:01	402	9:40	419	4:00	408	11:45
17	407	0:02	400	8:25	417	14:02	398	18:42	417	13:02	401	10:19	420	5:00	408	19:08
18	407	10:16	401	0:01	415	9:59	398	18:54	415	4:01	401	19:00	0	0:00	0	0:00
19	406	9:08	400	9:19	414	8:26	398	18:30	415	3:27	399	18:41	414	16:02	412	15:48
20	407	3:05	400	6:13	414	4:00	396	19:25	415	4:01	398	18:44	418	13:06	406	18:41
21	408	4:03	399	18:35	415	6:02	390	18:43	418	7:54	397	18:36	419	4:01	401	18:42
22	411	7:29	399	0:20	417	7:41	393	18:41	419	7:41	400	18:41	421	7:32	403	18:41
23	408	14:02	400	13:40	414	8:52	402	21:14	416	3:57	398	18:39	419	8:52	404	18:40
24	408	3:03	400	19:10	416	7:57	395	18:42	417	7:58	397	18:41	420	7:59	403	18:44
25	409	14:57	399	22:30	421	7:10	398	18:43	420	7:34	399	5:43	423	7:32	406	18:58
26	409	0:30	400	10:42	418	8:04	396	18:37	418	7:56	398	18:37	418	21:42	407	18:36
27	409	5:36	399	19:41	418	7:59	399	18:22	417	7:59	398	18:38	420	7:59	407	18:37
28	402	13:05	398	22:49	416	8:15	399	18:40	417	8:15	400	18:40	420	7:52	408	18:42
29	405	15:35	399	3:12	414	6:03	399	18:10	417	0:51	400	19:11	419	0:49	406	19:10
30	405	18:25	400	12:49	422	21:57	406	0:06	416	8:01	406	10:55	419	7:59	410	11:43
31	405	13:02	400	22:26	424	3:55	402	18:42	419	7:05	402	18:40	417	16:27	409	18:41
Max	411	7:29	401	0:00	424	3:55	406	0:06	422	3:02	406	10:55	423	7:32	412	15:48
Min	401	0:00	391	14:55	412	3:57	390	18:43	415	4:01	391	10:30	0	0:00	0	0:00

Voltage Profile During March 2018

Date	400 KV Dadri Voltage (KV)				400 KV Ballabgarh Voltage (KV)				400 KV Bawana Voltage (KV)				400 KV Bassi Voltage (KV)			
	Maximum		Minimum		Maximum		Minimum		Maximum		Minimum		Maximum		Minimum	
	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time
01	424	3:07	412	9:35	424	4:03	408	11:08	424	17:06	410	7:16	417	18:01	398	6:10
02	428	21:59	412	18:55	426	4:00	409	18:58	429	21:59	411	18:49	421	4:01	400	22:43
03	429	4:02	413	7:37	426	4:01	408	7:35	430	3:02	412	6:31	419	4:02	396	6:13
04	427	3:01	413	11:51	424	4:00	410	10:53	429	2:02	411	11:53	420	16:11	397	6:26
05	427	0:27	411	18:37	425	4:00	409	9:31	428	0:52	408	18:43	418	4:02	400	22:17
06	425	20:58	410	6:23	424	13:03	407	6:57	425	3:11	409	7:09	418	20:57	395	6:25
07	423	20:56	406	10:08	421	4:00	404	9:19	423	3:59	406	10:13	418	18:00	394	22:19
08	422	4:01	404	11:25	421	4:02	404	10:10	422	4:01	404	11:26	417	18:01	396	22:20
09	422	20:41	406	6:39	420	20:39	404	6:39	422	20:42	406	9:36	419	20:42	391	6:39
10	422	4:51	408	7:05	420	20:37	403	7:06	422	4:34	406	7:04	416	20:36	392	22:23
11	423	20:57	406	7:20	421	20:55	402	7:20	422	20:57	405	7:17	419	18:00	390	7:20
12	421	20:56	404	11:21	418	20:11	403	11:19	419	20:58	404	11:20	415	20:13	394	22:48
13	422	21:45	407	11:09	420	21:40	405	11:21	420	21:45	405	11:21	416	17:02	393	23:05
14	424	5:00	409	15:19	422	4:59	408	15:19	423	4:57	408	9:37	418	18:01	396	0:00
15	424	5:00	408	10:51	422	5:00	407	10:47	424	5:01	406	18:41	417	5:02	394	23:22
16	419	3:59	406	11:23	418	5:01	405	11:11	419	4:03	404	11:36	418	18:04	395	6:24
17	422	4:59	408	10:12	421	4:59	406	10:14	422	5:01	408	10:08	418	4:59	399	6:40
18	421	4:17	410	18:49	420	4:00	410	18:48	421	4:02	408	18:49	419	16:02	401	7:38
19	421	4:00	408	18:40	420	3:59	408	9:20	421	3:34	406	18:47	417	4:01	401	6:39
20	422	4:00	406	18:47	420	3:59	406	18:47	423	4:51	403	18:42	418	4:02	398	22:50
21	424	3:58	406	18:38	423	3:58	403	18:53	425	3:59	404	18:39	419	13:02	399	22:37
22	422	3:58	407	18:56	422	4:01	405	18:56	423	4:03	406	18:55	417	13:04	400	6:27
23	425	3:59	406	18:44	423	4:00	404	18:44	427	4:04	403	19:05	419	4:01	401	7:20
24	423	4:00	406	18:42	421	3:58	404	19:10	422	3:54	403	18:42	418	4:00	400	19:08
25	421	7:10	398	18:43	423	13:11	411	18:57	422	1:57	404	18:58	420	16:02	404	22:30
26	418	8:04	396	18:37	424	3:58	407	11:31	423	3:36	403	18:39	420	3:59	403	10:31
27	418	7:59	399	18:22	423	4:02	407	18:53	425	4:49	404	18:53	419	4:00	401	19:18
28	416	8:15	399	18:40	423	3:59	407	11:26	421	3:53	405	18:42	419	4:01	402	22:27
29	414	6:03	399	18:10	420	0:45	405	19:13	420	0:49	406	19:10	416	6:01	403	19:12
30	422	21:57	406	0:06	421	2:33	406	19:12	421	3:15	406	19:27	418	2:34	402	19:26
31	424	3:55	402	18:42	423	4:00	410	18:51	421	3:01	410	18:42	417	4:00	404	22:33
Max	429	4:02	413	7:37	426	4:00	411	18:57	430	3:02	412	6:31	421	4:01	404	22:30
Min	414	6:03	396	18:37	418	20:11	402	7:20	419	20:58	403	18:42	415	20:13	390	7:20

Voltage Profile During March 2018

Date	400 KV Hissar Voltage (KV)				400 KV Moga Voltage (KV)				765 KV Abdullapur Voltafe(KV)				765 KV Nalagarh Voltafe(KV)			
	Maximum		Minimum		Maximum		Minimum		Maximum		Minimum		Maximum		Minimum	
	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time
01	420	17:06	402	6:44	419	17:01	404	6:23	426	17:06	409	6:43	427	17:02	412	18:59
02	423	21:43	404	18:56	423	3:59	404	18:46	0	0:00	0	0:00	432	2:02	412	18:55
03	424	3:59	403	6:21	424	4:02	404	6:22	430	13:28	415	18:40	433	2:52	415	18:38
04	422	3:59	404	6:27	422	3:59	404	10:33	430	1:57	413	6:26	432	2:00	413	18:37
05	421	4:00	404	11:12	420	21:25	403	18:35	429	21:23	409	18:39	429	2:01	410	18:37
06	421	20:56	400	7:10	418	3:59	403	7:09	429	21:00	410	7:14	430	20:59	412	6:24
07	419	20:58	400	7:09	0	0:00	0	0:00	424	20:56	407	11:35	425	20:57	409	11:35
08	420	20:04	400	11:24	417	20:02	404	18:36	425	4:02	406	18:44	425	3:59	406	11:26
09	419	20:42	400	6:38	419	20:40	402	10:05	424	5:00	406	7:09	426	4:47	410	7:14
10	419	20:36	397	6:55	414	9:53	395	7:04	423	4:52	402	7:13	426	20:36	409	6:54
11	419	20:56	396	7:10	0	0:00	0	0:00	422	20:57	403	7:13	429	20:57	409	7:14
12	415	20:10	400	11:09	416	20:01	402	11:20	419	4:01	404	11:20	424	4:19	410	11:11
13	416	21:50	400	6:34	417	21:54	402	6:33	421	21:45	405	11:13	425	21:50	410	18:32
14	418	20:39	403	6:58	419	20:37	406	6:57	423	4:59	409	6:59	425	20:35	411	7:19
15	419	5:01	401	7:08	420	20:54	402	7:06	427	4:59	409	18:45	431	4:58	410	18:54
16	415	20:00	400	6:52	417	20:03	403	6:48	422	4:18	258	19:26	424	4:20	411	6:54
17	418	5:00	403	6:43	420	20:58	404	6:40	426	5:01	409	18:28	428	21:00	412	11:07
18	416	4:01	405	6:38	421	20:48	404	6:39	425	16:02	412	18:48	430	20:47	415	7:12
19	416	20:56	404	18:39	417	20:51	404	6:15	424	4:02	409	18:37	426	20:53	413	6:30
20	418	4:53	402	18:47	420	20:58	406	6:08	426	4:00	408	18:36	431	4:00	408	12:09
21	421	4:00	403	18:40	422	3:58	406	6:35	430	4:02	409	18:38	434	4:02	413	6:38
22	419	4:02	403	19:12	421	21:15	406	6:29	426	4:02	409	18:42	431	21:15	414	7:09
23	422	4:01	402	18:42	425	4:00	405	18:41	426	4:02	406	18:45	432	4:02	412	18:39
24	419	4:01	402	18:41	420	0:39	405	18:42	426	4:00	406	18:38	429	0:42	412	18:38
25	419	13:11	404	18:41	422	1:58	404	18:25	428	13:13	408	18:40	430	1:57	414	18:38
26	421	4:01	401	19:00	422	3:56	404	10:28	428	4:00	405	18:39	431	3:58	409	18:40
27	421	4:48	402	18:53	422	4:46	404	18:51	429	4:49	407	18:52	432	4:48	410	18:38
28	419	3:56	402	19:13	423	3:59	405	18:40	425	3:59	404	18:39	430	3:59	409	18:43
29	416	0:45	403	19:11	420	0:49	406	19:09	423	0:51	401	22:32	427	0:49	411	19:12
30	418	2:31	403	19:27	421	2:33	406	10:36	422	3:17	407	18:58	430	23:53	414	10:54
31	420	4:02	407	19:07	422	2:59	408	18:58	425	3:03	410	18:56	433	2:59	415	18:45
Max	424	3:59	407	19:07	425	4:00	408	18:58	430	13:28	415	18:40	434	4:02	415	18:38
Min	415	20:10	396	7:10	0	0:00	0	0:00	0	0:00	0	0:00	424	4:19	406	11:26

Voltage Profile During March 2018

Date	400 KV Kishenpur Voltage (KV)				400 KV Wagoora Voltage (KV)				400 KV Amritsar Voltage (KV)				400 KV Kashipur Voltage (KV)			
	Maximum		Minimum		Maximum		Minimum		Maximum		Minimum		Maximum		Minimum	
	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time
01	418	16:52	407	19:09	402	16:55	388	18:52	424	17:02	412	6:44	402	0:00	402	0:00
02	430	4:30	406	18:39	414	4:56	386	18:49	431	4:00	411	18:57	402	0:00	402	0:00
03	425	3:59	408	18:36	404	3:59	388	18:44	431	3:58	411	6:26	402	0:00	402	0:00
04	423	1:58	407	18:51	403	1:58	388	18:59	429	1:59	412	10:06	402	0:00	402	0:00
05	422	21:56	408	6:24	404	7:11	385	11:19	427	2:48	410	18:41	402	0:00	402	0:00
06	422	2:13	407	6:57	404	2:14	386	10:32	425	3:02	409	7:14	402	0:00	402	0:00
07	419	4:00	405	11:33	397	3:56	383	11:33	422	2:56	406	11:32	402	0:00	402	0:00
08	419	3:58	404	11:26	398	3:44	384	11:25	422	3:58	404	11:27	402	0:00	402	0:00
09	419	4:00	407	10:02	397	2:59	385	10:02	422	3:58	407	10:03	402	0:00	402	0:00
10	424	9:56	404	6:51	420	10:01	103	10:00	420	20:35	405	7:04	402	0:00	402	0:00
11	418	20:56	403	7:15	400	18:01	386	7:15	426	20:57	405	7:14	402	0:00	402	0:00
12	418	3:59	405	11:20	400	21:17	386	10:36	421	4:00	408	11:19	402	0:00	402	0:00
13	417	4:31	407	6:39	399	18:01	387	10:42	421	21:50	408	6:35	402	0:00	402	0:00
14	423	5:00	408	18:36	408	5:00	387	18:40	424	20:37	410	6:26	402	0:00	402	0:00
15	428	3:59	408	18:48	412	3:56	387	18:54	427	4:57	411	6:56	402	0:00	402	0:00
16	419	4:19	406	18:47	401	6:02	387	18:44	421	4:01	410	6:50	402	0:00	402	0:00
17	418	3:19	406	19:13	404	13:01	388	19:20	425	20:57	409	11:33	402	0:00	402	0:00
18	417	4:25	406	8:31	398	18:00	388	6:51	426	20:39	410	8:51	402	0:00	402	0:00
19	420	4:00	408	6:23	400	18:03	388	10:30	423	4:00	410	10:38	402	0:00	402	0:00
20	422	4:00	408	6:39	401	18:01	388	6:52	426	4:01	410	11:27	402	0:00	402	0:00
21	427	4:02	410	6:31	403	3:49	386	10:07	431	3:59	414	6:25	402	0:00	402	0:00
22	423	4:02	408	19:10	405	13:01	388	10:27	427	21:15	414	6:25	402	0:00	402	0:00
23	426	3:59	408	18:51	405	4:00	390	6:50	430	4:01	412	12:12	402	0:00	402	0:00
24	425	4:00	408	19:03	407	4:33	388	19:51	428	4:31	412	18:41	402	0:00	402	0:00
25	424	1:57	409	18:53	403	4:00	389	19:33	428	1:58	413	18:40	402	0:00	402	0:00
26	428	3:57	408	19:00	409	3:46	391	6:43	429	3:58	408	18:39	402	0:00	402	0:00
27	428	4:47	408	19:12	411	4:46	389	19:38	428	4:47	408	18:53	402	0:00	402	0:00
28	427	3:56	410	6:55	410	3:45	392	19:38	427	3:49	409	10:53	402	0:00	402	0:00
29	424	3:59	409	6:39	409	4:29	390	6:42	425	0:51	409	19:13	402	0:00	402	0:00
30	426	3:22	408	10:32	409	3:33	386	11:22	426	3:15	407	11:03	402	0:00	402	0:00
31	428	2:55	409	10:10	412	3:52	389	6:46	429	2:59	413	19:06	402	0:00	402	0:00
Max	430	4:30	410	6:31	420	10:01	392	19:38	431	4:00	414	6:25	402	0:00	402	0:00
Min	417	4:31	403	7:15	397	3:56	103	10:00	420	20:35	404	11:27	402	0:00	402	0:00

Voltage Profile During March 2018

Date	400 KV Hamirpur Voltage (KV)				400 KV Rishikesh Voltage (KV)V)				765 KV Fatehpur Voltage (KV)				765 KV Balia Voltage (KV)			
	Maximum		Minimum		Maximum		Minimum		Maximum		Minimum		Maximum		Minimum	
	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time
01	419	20:47	410	7:43	413	3:08	396	9:35	785	8:00	741	19:35	786	4:28	755	19:34
02	420	21:32	408	6:47	420	23:54	402	11:12	775	23:58	734	19:49	782	15:02	761	18:55
03	420	17:04	408	15:45	421	3:02	398	18:38	780	13:00	738	7:35	789	12:59	763	18:40
04	419	0:00	405	9:08	419	1:59	397	12:17	782	3:58	751	20:21	791	3:59	761	18:39
05	417	20:53	407	6:06	419	0:19	396	9:27	770	0:00	735	6:11	788	0:00	762	18:35
06	418	20:23	411	9:50	418	21:15	396	7:10	786	12:33	746	7:11	794	13:30	764	19:16
07	419	20:59	406	18:43	418	20:48	392	10:11	780	13:02	744	22:39	786	3:59	761	9:22
08	417	4:19	401	11:28	414	4:00	391	11:26	781	20:00	747	0:08	777	4:01	760	11:30
09	419	4:00	404	10:05	412	5:19	391	9:22	780	18:00	742	6:38	778	13:00	761	9:39
10	417	20:50	402	6:59	415	20:56	395	7:06	778	4:51	743	18:42	785	22:00	759	18:39
11	417	20:41	402	7:15	416	20:58	393	7:32	782	18:02	742	22:26	784	3:33	763	22:22
12	417	3:49	405	11:20	414	21:17	391	11:15	776	19:58	744	22:18	778	6:03	763	18:24
13	419	22:47	404	6:37	415	21:53	392	11:21	785	21:53	745	0:02	786	21:40	761	18:41
14	420	20:35	403	6:20	417	4:01	391	15:20	788	4:01	763	15:20	792	8:01	765	21:19
15	425	5:00	406	6:53	416	0:40	392	11:20	784	5:00	759	18:45	784	3:01	764	18:44
16	417	4:02	405	7:10	413	1:05	394	11:23	783	4:01	759	19:12	791	5:01	762	18:51
17	420	20:44	406	11:28	413	0:29	395	10:12	785	5:03	758	19:10	787	3:33	760	19:11
18	423	21:00	407	6:52	413	4:17	397	18:56	782	13:59	742	18:50	784	14:00	755	18:55
19	419	21:26	408	6:38	413	3:18	393	18:41	780	13:05	747	22:09	778	23:43	757	18:45
20	423	4:15	407	7:16	414	4:51	392	18:41	783	13:06	752	6:11	785	4:01	756	19:20
21	424	3:47	408	7:17	418	8:06	394	18:36	782	13:02	738	18:25	780	6:02	637	10:13
22	422	20:29	407	6:42	414	4:02	392	18:59	776	7:42	739	18:40	771	17:20	749	18:41
23	423	4:00	407	7:26	414	3:59	390	18:44	783	8:48	752	6:22	772	1:18	768	0:42
24	423	0:42	408	6:43	412	7:43	391	18:44	786	8:02	748	9:48	781	16:17	753	18:43
25	423	1:49	410	6:36	417	15:39	395	18:41	792	7:34	743	18:57	0	0:00	0	0:00
26	421	2:06	406	7:00	412	0:28	388	19:00	790	7:55	749	22:47	0	0:00	0	0:00
27	425	4:45	405	14:41	413	5:01	389	18:37	788	13:02	745	19:11	785	13:04	759	18:23
28	425	4:00	408	7:14	412	5:00	390	18:54	780	13:04	756	0:10	789	7:45	761	18:40
29	422	0:31	407	19:10	412	0:51	390	19:12	782	1:06	744	19:11	780	8:22	760	18:10
30	422	4:19	407	0:00	411	2:35	394	12:43	768	8:01	751	0:11	785	23:52	765	0:11
31	424	0:44	410	19:10	412	2:58	407	0:23	775	7:02	747	18:54	792	7:12	760	18:40
Max	425	5:00	411	9:50	421	3:02	407	0:23	792	7:34	763	15:20	794	13:30	768	0:42
Min	417	20:53	401	11:28	411	2:35	388	19:00	768	8:01	734	19:49	0	0:00	0	0:00

Voltage Profile During March 2018

Date	765 KV Moga Voltage (KV)				765 KV Agra Voltage (KV)				765 KV Bhiwani Voltage (KV)				765 KV Unnao Voltage (KV)			
	Maximum		Minimum		Maximum		Minimum		Maximum		Minimum		Maximum		Minimum	
	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time
01	801	17:01	762	6:43	796	8:00	766	22:12	804	17:01	780	6:45	769	4:03	748	9:34
02	796	4:00	763	18:55	794	4:00	764	18:55	805	16:00	781	18:54	773	23:54	750	10:57
03	798	4:01	762	6:30	794	17:05	760	6:26	808	3:57	780	7:12	777	4:02	753	8:29
04	794	4:01	763	10:52	796	18:02	766	11:53	808	4:00	780	10:51	778	8:13	751	11:54
05	801	13:02	761	18:38	792	13:02	764	11:12	806	13:00	783	11:10	777	13:01	751	9:32
06	801	13:01	766	7:14	794	13:02	766	6:24	807	13:00	777	6:23	780	13:01	754	7:09
07	801	20:58	757	7:06	793	13:02	762	22:38	803	20:50	774	7:00	771	0:00	748	9:21
08	799	20:02	761	6:40	795	20:01	765	11:30	803	20:00	773	11:26	771	20:01	750	11:25
09	809	20:44	764	6:39	793	20:44	760	6:40	804	20:30	772	6:37	770	18:00	752	10:29
10	798	20:36	750	7:06	790	13:23	760	22:25	799	20:35	769	7:10	771	5:57	754	18:39
11	803	20:57	748	7:20	796	18:02	760	22:25	800	18:01	768	6:58	769	18:00	755	7:12
12	796	20:11	761	22:19	789	19:59	761	22:32	798	20:13	773	11:08	770	21:18	752	11:11
13	798	21:50	760	6:13	796	21:46	763	0:01	804	21:46	776	10:58	775	21:52	754	11:39
14	802	20:38	767	22:18	797	4:59	774	15:27	802	4:02	782	12:22	780	4:59	755	11:20
15	800	20:54	759	7:07	794	5:01	765	10:48	801	5:01	775	11:50	779	5:02	758	18:44
16	797	20:02	758	6:54	788	18:01	764	22:20	797	20:00	774	11:10	777	5:01	757	19:13
17	801	21:00	761	6:44	789	5:00	765	10:23	801	21:02	777	6:42	774	13:02	755	10:22
18	802	20:47	762	8:32	790	14:00	768	18:53	800	18:11	782	22:08	776	10:02	754	18:52
19	798	20:55	762	6:37	789	13:05	764	9:24	794	17:59	778	22:06	771	3:33	751	18:41
20	801	21:01	764	6:11	792	13:05	765	22:48	797	20:43	778	6:09	772	4:00	750	18:41
21	801	8:01	765	6:38	794	13:04	761	18:58	806	13:02	777	18:43	778	12:32	744	18:40
22	800	13:01	766	6:27	786	7:59	760	19:14	799	12:59	777	18:56	782	7:29	753	22:34
23	809	4:01	773	18:43	789	4:01	762	19:10	804	3:59	773	18:45	774	8:48	746	18:45
24	800	0:40	767	6:28	786	13:11	761	19:12	798	4:01	774	18:59	776	8:01	746	18:43
25	804	1:58	764	18:24	794	7:35	765	11:21	804	13:31	780	18:21	784	7:33	754	18:58
26	801	0:52	770	10:29	793	21:58	768	11:28	803	3:59	777	10:30	782	7:56	751	18:39
27	800	1:14	773	18:53	795	13:02	762	19:17	802	4:00	775	19:10	779	7:59	755	18:37
28	805	3:59	774	18:42	789	13:04	770	0:12	802	3:29	778	11:24	779	8:17	755	18:55
29	801	0:51	774	6:45	789	0:49	765	10:18	798	0:44	777	19:13	775	8:25	752	19:12
30	803	3:15	776	11:08	786	3:33	763	20:20	800	1:42	780	17:29	775	21:57	759	16:58
31	804	3:01	775	19:06	789	7:05	765	23:15	800	2:00	779	19:16	784	7:02	756	18:42
Max	809	20:44	776	11:08	797	4:59	774	15:27	808	3:57	783	11:10	784	7:33	759	16:58
Min	794	4:01	748	7:20	786	7:59	760	6:26	794	17:59	768	6:58	769	4:03	744	18:40

Voltage Profile During March 2018

Date	765 KV Lucknow Voltage (KV)				765 KV Meerut Voltage (KV)				765 KV Jhatikara Voltage (KV)				765 KV Bareilly Voltage (KV)			
	Maximum		Minimum		Maximum		Minimum		Maximum		Minimum		Maximum		Minimum	
	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time
01	790	4:02	763	19:34	810	17:06	777	18:50	805	17:01	780	11:08	794	4:02	767	9:35
02	792	23:55	769	18:59	809	4:01	779	18:56	808	16:47	780	18:55	800	23:54	774	18:54
03	798	13:00	770	18:39	811	3:59	777	7:37	811	4:01	779	6:31	804	4:02	772	18:39
04	796	3:59	769	18:40	809	4:00	774	11:54	808	4:01	779	11:54	802	23:42	772	11:54
05	796	0:00	768	18:46	816	13:02	776	15:05	808	13:02	781	9:32	803	0:52	771	9:27
06	798	13:30	771	7:10	815	13:01	772	7:11	807	13:02	777	6:23	802	13:02	771	7:10
07	791	0:00	764	9:22	811	20:58	769	7:08	801	20:57	771	7:09	796	0:00	763	10:09
08	786	4:00	764	11:24	810	20:02	774	11:24	800	20:01	771	11:27	792	4:00	763	11:24
09	784	5:19	764	11:20	812	20:42	766	9:35	802	20:45	768	6:44	791	19:57	765	11:19
10	789	21:59	766	18:42	809	20:36	733	1:58	795	4:52	768	7:06	794	22:00	770	18:41
11	785	18:00	769	22:50	812	20:56	764	7:23	795	18:00	762	7:21	792	20:55	769	7:15
12	786	21:18	767	11:10	806	20:00	774	22:48	791	20:14	767	11:08	794	21:17	767	10:35
13	792	21:55	768	18:40	800	13:26	777	6:15	797	21:46	768	11:08	796	21:54	770	11:08
14	796	4:59	770	18:41	811	20:40	781	22:19	797	20:40	775	15:21	800	4:59	765	12:54
15	793	5:02	769	18:45	809	20:58	779	10:50	796	5:01	770	10:49	798	5:02	769	18:48
16	793	4:01	767	19:15	806	20:02	776	6:13	790	18:01	768	11:11	795	4:59	698	10:25
17	790	3:22	767	19:11	807	13:01	775	6:43	795	5:01	771	10:18	796	13:03	768	10:12
18	791	14:00	764	18:52	806	20:45	778	22:49	794	18:14	776	22:48	791	13:59	767	18:59
19	787	3:33	762	18:43	804	20:54	774	22:11	792	18:01	771	22:13	791	3:34	762	18:43
20	789	4:04	763	18:49	805	21:01	774	6:12	798	13:18	771	18:57	791	3:59	763	18:43
21	790	8:27	754	18:36	818	13:03	775	22:47	797	4:00	770	18:27	796	7:51	759	18:36
22	798	7:41	758	18:41	812	8:16	778	0:06	795	13:01	768	19:14	800	7:41	764	18:40
23	790	8:50	758	18:40	812	4:01	773	18:44	799	4:01	766	18:58	793	4:02	760	18:39
24	792	7:59	757	18:44	807	8:01	744	0:14	795	4:00	767	18:58	796	8:02	759	18:44
25	801	7:36	763	18:41	809	1:59	773	18:24	798	13:14	773	18:57	802	7:35	766	18:40
26	797	8:06	761	18:38	806	0:39	770	10:22	798	3:58	774	10:32	794	3:58	760	18:40
27	793	8:02	764	18:25	805	1:15	776	18:37	799	4:48	635	11:25	795	8:01	762	18:37
28	793	8:17	765	18:43	807	3:57	777	11:22	798	3:59	772	11:24	796	8:17	766	18:39
29	790	8:26	764	19:10	807	0:51	634	0:09	795	0:50	770	19:13	794	0:51	764	19:12
30	790	8:01	773	0:11	806	3:33	778	19:50	796	4:03	771	19:24	792	7:59	772	18:58
31	801	7:12	766	18:43	807	3:02	777	23:15	796	4:01	775	18:57	800	7:07	768	18:41
Max	801	7:36	773	0:11	818	13:03	781	22:19	811	4:01	781	9:32	804	4:02	774	18:54
Min	784	5:19	754	18:36	800	13:26	634	0:09	790	18:01	635	11:25	791	19:57	698	10:25

Voltage Profile During March 2018

Date	765 KV Anta Voltage (KV)				765 KV Phagi Voltage (KV)			
	Maximum		Minimum		Maximum		Minimum	
	Voltage	Time	Voltage	Time	Voltage	Time	Voltage	Time
01	791	4:00	771	22:37	799	4:03	775	6:10
02	797	4:04	778	0:00	802	4:02	762	19:00
03	794	4:02	771	6:24	798	3:59	771	6:14
04	794	18:04	773	11:50	802	18:01	775	6:24
05	797	13:03	776	22:47	801	13:06	778	11:16
06	794	13:03	772	6:23	801	13:05	773	6:21
07	794	13:03	767	22:23	801	18:02	769	22:19
08	790	4:01	771	0:00	800	18:04	769	0:00
09	798	11:02	770	6:37	799	17:59	767	6:31
10	787	4:53	768	6:22	794	5:02	763	22:22
11	793	18:03	767	22:23	798	18:01	763	7:12
12	788	21:01	769	22:36	792	18:01	769	22:22
13	794	21:47	773	0:00	798	21:46	769	0:00
14	793	18:06	775	6:28	801	18:05	774	0:00
15	789	5:00	772	22:19	795	4:58	772	10:27
16	798	13:30	770	22:19	796	16:02	770	22:15
17	792	4:00	771	22:31	798	5:01	773	22:30
18	790	16:02	775	0:00	800	18:10	777	22:25
19	786	3:32	773	6:22	795	4:02	772	9:27
20	790	13:06	768	22:29	795	13:00	772	22:18
21	790	13:03	769	6:25	802	13:04	771	6:34
22	788	13:01	770	10:23	793	13:01	774	10:47
23	789	3:59	771	18:53	798	4:01	773	18:58
24	789	4:01	767	19:11	796	4:01	771	19:05
25	788	12:48	774	0:00	796	12:59	776	0:00
26	789	3:57	770	11:26	796	3:36	776	11:09
27	789	13:02	768	19:00	796	13:02	774	15:21
28	787	3:31	768	11:25	798	4:00	774	11:25
29	787	13:03	773	10:11	794	13:06	772	10:12
30	790	1:21	766	0:14	796	1:21	763	0:12
31	792	13:02	780	14:07	796	3:58	748	14:05
Max	798	11:02	780	14:07	802	4:02	778	11:16
Min	786	3:32	766	0:14	792	18:01	748	14:05

	माह के अन्तिम दिन उत्तर क्षेत्र के जलाशयों के जलीय आँकड़े					1 m = 3.28 ft	मार्च 2018
	HYDRAULIC DATA OF RESERVOIRS IN THE NORTHERN REGION AS ON THE LAST DAY OF THE MONTH						Mar-18
मद	भाखड़ा BHAKHRA	पोंग PONG	रिहन्द RIHAND	रा.प्र.सागर R. P. SAGAR	गाँधी सागर GANDHI SAGAR	टेहरी TEHRI	ITEM
जलाशय का **पूर्ण जल स्तर**							Full Reservoir Level **(FRL)**
(मीटर)	514.50	433.12	268.22	352.65	402.64	829.79	(meter)
(फीट)	1688.00	1421.00	880.00	1157.00	1321.00	2721.71	(ft.)
जलाशय का **न्यूनतम डी. डी. स्तर**							Min. Draw Down Level **(MDDL)**
(मीटर)	445.62	384.05	252.98	342.90	381.00	740.04	(meter)
(फीट)	1462.00	1260.00	830.00	1125.00	1250.00	2427.33	(ft.)
माह के अन्तिम दिन **जलीय स्तर**							**Water Level** as on last day of
मार्च 2018							Mar-18
(मीटर)	472.72	394.05	256.89	346.62	389.80	765.85	(meter)
(फीट)	1550.52	1292.48	842.80	1137.20	1278.87	2511.99	(ft.)
मार्च 2017							Mar-17
(मीटर)	464.38	396.66	261.09	346.81	395.33	762.70	(meter)
(फीट)	1523.17	1301.04	856.60	1137.84	1297.01	2501.66	(ft.)
अधिकतम स्तर							**Maximum level**
(मीटर)	484.11	400.89	258.10	347.80	392.47	782.45	(meter)
(फीट)	1587.88	1314.92	846.80	1141.08	1287.63	2566.44	(ft)
(तिथि)	01.03.2018	01.03.2018	01.03.2018	29.03.2018	02.03.2018	01.03.2018	(date)
न्यूनतम स्तर							**Minimum level**
(मीटर)	472.72	394.05	256.89	346.59	387.43	765.85	(meter)
(फीट)	1550.52	1292.48	842.80	1137.10	1271.11	2511.99	(ft)
(तिथि)	31.03.2018	31.03.2018	31.03.2018	04.03.2018	31.03.2018	31.03.2018	(date)
माह के अन्तिम दिन **विद्युत मात्रा**							**Energy content** on last day of
मार्च 2018							Mar-18
(एम.यू.)	313.90	11.75	152.90	NA	NA	170.65	(MU)
मार्च 2017							Mar-17
(एम.यू.)	186.89	151.67	365.90	NA	NA	142.02	(MU)

Regional Power Supply Position

Operational data

Date	Regional Peak			Regional Off Peak			
	Demand Met	Requirement	Demand not Met/ Restriction*	Demand Met	Requirement	Demand not Met/ Restriction*	Regional Availability
	MW	MW	MW	MW	MW	MW	MU
01	40934	41455	521	33784	33988	203	939.99
02	34911	35432	521	31764	31967	203	822.45
03	36586	37063	476	27753	28024	271	817.47
04	36261	36740	479	30858	31144	286	848.88
05	40321	40809	488	29701	30099	398	881.14
06	39713	40837	1125	32914	33244	330	907.34
07	41196	41907	711	33159	33455	296	931.09
08	40192	42064	1872	33792	34093	301	926.11
09	39634	41326	1693	34219	34788	568	920.12
10	40363	43094	2731	35156	36193	1037	917.57
11	40458	41520	1063	35818	36846	1028	929.17
12	40709	42403	1695	34922	35253	332	949.03
13	40811	42871	2060	35770	36723	953	946.23
14	40233	41514	1281	36634	37547	914	947.37
15	41385	42832	1447	34903	35855	952	944.32
16	40995	41991	996	36010	36696	686	950.45
17	40500	41157	657	35710	36256	546	935.49
18	39333	39847	514	35029	35321	291	905.66
19	41630	42203	573	33833	34114	282	932.16
20	41895	42731	836	35574	35867	293	936.44
21	39635	40535	900	34119	34396	277	895.13
22	40332	41167	835	33823	34101	278	902.11
23	41923	42762	839	34737	35017	280	926.59
24	40034	41010	976	35397	35687	290	915.56
25	38077	38821	744	35696	35989	293	882.31
26	40705	41589	884	34019	34297	278	911.20
27	41838	43773	1935	34987	35240	252	910.81
28	42162	43434	1273	35954	36243	289	933.25
29	41088	42193	1105	36106	36564	458	919.40
30	38831	39347	516	35512	36732	1220	908.69
31	39729	40563	834	33528	33796	268	870.18
Maximum	42162	43773	2731	36634	37547	1220	950.45
Minimum	34911	35432	476	27753	28024	203	817.47
Average	40078	41129	1051	34232	34695	463	911.73

Note: * Demand not Met / Restriction figures are as given by the constituents.

Daily Peak/Off Peak Demand Met By Constituents

Summary Of Load Met During Peak Hrs For March 2018

(All Figs In MWs)

Date	Punjab	Haryana	Rajasthan	Delhi	UP	Uttarakhand	Chandigarh	HP	J & K	Total
1	5247	5895	7588	2501	14911	1535	1122	1975	160	40934
2	3861	4588	6425	2068	14102	1225	738	1763	141	34911
3	4411	4877	6830	2538	13239	1562	1067	1905	157	36586
4	5079	4969	6662	2581	12182	1685	1046	1917	141	36261
5	5686	6011	7202	2887	13588	1681	1150	1952	164	40321
6	6118	5851	7573	2981	12097	1725	1090	2115	163	39713
7	5932	6054	7710	3018	13271	1811	1147	2085	168	41196
8	6226	5704	7954	3085	12098	1802	1130	2028	164	40192
9	6032	5530	7830	3164	12037	1758	1149	1966	167	39634
10	6206	6233	7728	2949	12123	1808	1133	2017	166	40363
11	5751	6732	7184	2733	13436	1590	1011	1872	147	40458
12	5704	6387	7550	3182	12968	1812	1073	1859	173	40709
13	5656	6567	7484	3217	12835	1798	1120	1959	175	40811
14	5506	6393	7342	3337	12589	1801	1104	1984	177	40233
15	5413	6294	7823	3366	13358	1811	1162	1988	170	41385
16	5537	6228	7428	3253	13871	1312	1216	1982	168	40995
17	5386	6333	6790	3020	13961	1812	1173	1866	160	40500
18	4689	5462	6858	2792	14837	1649	968	1949	130	39333
19	5153	6140	7162	3210	14957	1732	1104	2001	171	41630
20	5151	6220	6761	3379	15223	1822	1165	2002	174	41895
21	4595	5714	6859	3342	14413	1585	1125	1830	172	39635
22	4649	5483	6954	3347	14804	1775	1183	1970	167	40332
23	5320	5971	7035	3303	14974	1825	1071	2255	169	41923
24	4904	5649	6870	3082	14592	1763	1120	1885	169	40034
25	4608	5339	6469	2728	14152	1714	961	1958	148	38077
26	5449	6000	6593	3336	14470	1696	1113	1874	174	40705
27	5791	5798	7062	3476	14414	1778	1093	2241	183	41838
28	5787	5906	7153	3555	14770	1793	1101	1911	186	42162
29	5493	5665	6926	3516	14664	1805	1115	1728	176	41088
30	5541	5591	6924	3519	12161	1822	1172	1924	177	38831
31	5046	5641	6662	3388	14246	1730	1083	1755	177	39729
Maximum	6226	6732	7954	3555	15223	1825	1216	2255	186	42162
Minimum	3861	4588	6425	2068	12037	1225	738	1728	130	34911
Average	5353	5846	7142	3092	13721	1710	1097	1952	166	40078

Summary Of Load Met During Peak Hrs For March 2018

(All Figs In MWs)

Date	Punjab	Haryana	Rajasthan	Delhi	UP	Uttarakhand	Chandigarh	HP	J & K	Total
1	4000	4528	8291	1705	11585	1176	847	1579	74	33784
2	3269	3998	7934	1582	11667	1078	734	1426	76	31764
3	2131	3394	7121	1449	10963	685	408	1535	68	27753
4	2768	3622	7919	1612	11449	1092	702	1621	73	30858
5	3193	3913	7242	1683	10124	1053	727	1691	75	29701
6	3722	4478	7883	1725	11472	1155	819	1586	74	32914
7	3425	4806	7935	1724	11550	1176	789	1680	74	33159
8	3684	4875	8065	1814	11602	1154	815	1708	75	33792
9	3823	5113	8190	1854	11441	1264	825	1634	75	34219
10	4680	5181	8258	1853	11349	1169	850	1737	79	35156
11	4699	5560	8235	1828	11640	1264	847	1663	81	35818
12	4065	5152	7871	1841	12412	1153	753	1596	79	34922
13	4661	5336	8208	1995	11734	1254	784	1717	81	35770
14	5118	5323	8462	2062	11940	1230	809	1608	82	36634
15	4648	5315	7713	2118	11570	1232	822	1398	88	34903
16	4403	5303	8039	2161	12279	1239	876	1622	87	36010
17	4183	5158	8382	2103	12149	1225	861	1565	84	35710
18	4191	4949	7608	2002	12391	1279	876	1652	80	35029
19	3903	4504	7633	2037	12186	1152	744	1595	78	33833
20	4363	5053	7795	2111	12400	1261	850	1660	82	35574
21	3117	4484	7664	2223	12826	1291	857	1571	86	34119
22	2948	4368	8070	2190	12582	1211	794	1575	85	33823
23	3598	4711	7650	2169	12825	1267	848	1585	85	34737
24	3777	4583	7763	2181	13191	1308	862	1646	86	35397
25	3967	5074	7511	2187	13075	1281	851	1661	89	35696
26	3845	4200	7337	2196	12749	1229	801	1575	87	34019
27	4277	4665	7249	2318	12823	1307	825	1429	95	34987
28	4171	4769	7379	2453	13277	1318	854	1637	97	35954
29	4125	4731	7321	2544	13436	1340	880	1630	98	36106
30	4267	4736	6929	2641	13182	1343	909	1406	99	35512
31	4409	4670	7479	2689	10565	1208	888	1520	100	33528
Maximum	5118	5560	8462	2689	13436	1343	909	1737	100	36634
Minimum	2131	3394	6929	1449	10124	685	408	1398	68	27753
Average	3917	4727	7779	2034	12078	1206	810	1597	83	34232

Schedule VS Actual Drawals of Northern Regional Constituents (Sheet 1 of 2)

Figs. In MWH

Date	Punjab		Haryana		Rajasthan		Delhi		Uttar Pradesh		Uttaranchal	
	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual
1-Mar-2018	29227	27734	64899	66794	58859	62993	47254	46169	112155	113685	24969	23146
2-Mar-2018	28488	29874	55927	58691	58090	56119	40069	39283	110498	114014	16301	13605
3-Mar-2018	28455	27805	59302	61824	49512	53860	49480	48629	96995	99665	19112	16572
4-Mar-2018	27611	27277	60112	62337	58978	62538	50798	50984	99098	100100	20408	19574
5-Mar-2018	25400	25307	65791	73438	59097	63786	52990	52709	94941	95301	22874	21788
6-Mar-2018	25759	24851	67227	75723	57039	58644	52041	51237	91268	94308	24105	23071
7-Mar-2018	25606	26457	69113	73579	60751	62384	54696	54910	98735	97996	23250	23619
8-Mar-2018	26077	28886	71803	74688	58838	64181	52719	52817	102456	104479	24992	24692
9-Mar-2018	24629	24929	74124	78999	52836	52995	52789	52875	101740	104727	24455	24626
10-Mar-2018	30972	28427	73052	75710	57039	57114	48699	49608	98469	102617	25091	24403
11-Mar-2018	29828	30512	60036	62821	61202	61786	46416	47285	95995	99984	23368	21848
12-Mar-2018	32086	32762	57398	59324	58692	61002	52374	52964	95001	98041	25053	23623
13-Mar-2018	32373	31244	58466	60819	43120	44075	52101	52670	93349	96953	25444	24749
14-Mar-2018	31314	30940	52709	55882	45161	46083	52427	52836	89000	91553	24848	25291
15-Mar-2018	29745	29527	51776	54210	46616	49622	53726	53286	94847	96826	26408	26151
16-Mar-2018	31248	31132	55536	57895	54769	58481	57662	57865	100131	103104	26451	25769
17-Mar-2018	28856	29215	55938	57926	57068	58160	53323	53245	96732	98435	27282	26399
18-Mar-2018	28352	28463	48815	52127	47397	47684	50798	50530	102513	103389	25970	24522
19-Mar-2018	29326	28451	48975	50576	43985	41656	56749	56284	108473	110597	27364	26737
20-Mar-2018	27309	26495	48904	49857	41442	43760	57479	58472	110895	112225	28315	27434
21-Mar-2018	21551	20795	43664	46919	43182	43844	58605	59304	98806	101537	25542	26236
22-Mar-2018	18369	19957	46617	48946	42490	43032	55066	55324	98862	101026	26665	26003
23-Mar-2018	23714	23430	50697	53420	51071	50205	54292	53995	108640	109856	28486	26337
24-Mar-2018	25343	24892	49835	52343	52964	51206	51551	51957	110373	113259	27728	27082
25-Mar-2018	26431	25277	44174	45735	51875	50631	51207	50734	112207	115924	25935	25106
26-Mar-2018	32052	31645	43550	45961	49750	50114	59470	60339	111469	115257	27439	25280
27-Mar-2018	31635	30301	43613	45789	41507	38243	62135	61960	105641	111178	27300	26572
28-Mar-2018	34396	33248	44150	46802	45572	45987	64145	63031	108285	111399	27686	27271
29-Mar-2018	34046	34816	42585	45735	50998	52302	59374	58915	103716	105455	26943	26928
30-Mar-2018	31444	33412	43656	46238	49421	54428	61529	61102	99608	98465	27573	27302
31-Mar-2018	34778	36189	44168	48006	44302	42821	60911	58243	95834	95127	28908	26998
Total MU	**886.42**	**884.25**	**1696.61**	**1789.11**	**1593.62**	**1629.74**	**1672.88**	**1669.56**	**3146.73**	**3216.48**	**786.27**	**758.73**
Max. MWH	**34778**	**36189**	**74124**	**78999**	**61202**	**64181**	**64145**	**63031**	**112207**	**115924**	**28908**	**27434**
Min MWH	**18369**	**19957**	**42585**	**45735**	**41442**	**38243**	**40069**	**39283**	**89000**	**91553**	**16301**	**13605**
Avg. MWH	**28594**	**28524**	**54729**	**57713**	**51407**	**52572**	**53964**	**53857**	**101507**	**103757**	**25363**	**24475**

Schedule vs Actual Drawals of Northern Regional Constituents (Sheet 2 of 2)

Figs. In MWH

Date	Himachal Pradesh		Jammu & Kashmir		Chandigarh		NFF		Railways	
	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual
1-Mar-2018	19940	21160	39076	39209	2973	3335	50	0	2301	2499
2-Mar-2018	13862	14045	35890	34638	2732	2794	50	0	2301	2636
3-Mar-2018	16159	16377	39051	38167	2998	3158	50	0	2301	2530
4-Mar-2018	17942	18567	40210	37744	2751	2948	50	0	2301	2412
5-Mar-2018	19626	20914	38401	38305	3034	3308	51	40	2316	2401
6-Mar-2018	19950	21625	37645	38524	2953	3288	51	40	2316	2460
7-Mar-2018	19729	21504	38533	39133	2788	3341	51	38	2316	2377
8-Mar-2018	20069	21239	38869	38599	2834	3311	51	40	2316	2483
9-Mar-2018	20007	22224	38498	39058	2845	3375	51	40	2094	2458
10-Mar-2018	20319	22380	39234	38245	2758	3293	51	37	1584	2560
11-Mar-2018	19097	20868	38955	38358	2587	3073	51	39	1164	2106
12-Mar-2018	19910	22438	38315	38992	2871	3445	51	40	1127	2198
13-Mar-2018	20654	22775	38878	38592	2932	3516	41	39	1127	2176
14-Mar-2018	19700	22771	39103	38349	2873	3636	41	42	1127	2107
15-Mar-2018	20389	21599	38481	34563	2975	3564	41	35	1127	2019
16-Mar-2018	20483	22251	39874	37726	2989	3478	41	41	1127	1984
17-Mar-2018	21642	21569	38768	36838	2940	3358	41	37	1127	2095
18-Mar-2018	18963	18625	39227	39033	2724	3064	41	40	1127	2088
19-Mar-2018	19865	21074	39247	38755	3040	3389	42	38	1129	2115
20-Mar-2018	21369	21992	40126	38798	3175	3497	42	40	1129	2123
21-Mar-2018	19919	21338	39036	37043	2990	3606	42	40	1129	2182
22-Mar-2018	20613	20986	38950	37802	2966	3499	42	50	1129	2226
23-Mar-2018	19090	20268	39293	36088	2977	3563	42	40	1129	2167
24-Mar-2018	20300	21346	39604	32442	2984	3466	42	33	1129	2222
25-Mar-2018	18949	19268	40015	32707	2876	3219	42	44	1129	2156
26-Mar-2018	18613	19702	38077	36757	3015	3644	42	0	1167	2211
27-Mar-2018	18863	20105	38068	36199	3119	3767	42	0	1167	2259
28-Mar-2018	18363	19438	37383	37801	3303	3905	42	0	1167	2233
29-Mar-2018	19630	20724	37335	39105	3046	3714	42	0	1167	2338
30-Mar-2018	19999	21037	37299	40067	3144	3821	42	0	1167	2304
31-Mar-2018	19982	20469	37954	38744	3196	3873	42	0	1167	2293
Total MU	**604.00**	**640.68**	**1199.40**	**1166.38**	**91.39**	**106.25**	**1.40**	**0.83**	**46.10**	**70.42**
Max. MWH	**21642**	**22775**	**40210**	**40067**	**3303**	**3905**	**51**	**50**	**2316**	**2636**
Min MWH	**13862**	**14045**	**35890**	**32442**	**2587**	**2794**	**41**	**0**	**1127**	**1984**
Avg. MWH	**19484**	**20667**	**38690**	**37625**	**2948**	**3427**	**45**	**27**	**1487**	**2272**

Schedule vs Actual Injection of ISGS (Sheet 1 of 6)

Figs. In MWH

Date	Singrauli		Rihand		Rihand-II		Dadri (T) - I		Dadri (T) - II	
	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual
1-Mar-2018	40247	40951	20784	20728	22540	22709	13946	13571	8865	9020
2-Mar-2018	39512	39890	19151	19424	20036	20418	10222	10144	6797	6985
3-Mar-2018	39569	39736	19491	19511	20781	21048	12336	11838	8137	7972
4-Mar-2018	36033	36453	20562	20527	22323	22623	11557	11242	7548	7345
5-Mar-2018	36229	36446	20839	20855	22477	22614	13697	13446	8518	8610
6-Mar-2018	36192	36365	20854	21048	22574	22832	14292	13908	8782	9273
7-Mar-2018	36240	36570	20880	20976	22620	22973	14833	14469	9509	9712
8-Mar-2018	36240	36460	20869	20997	22606	22931	16098	15483	9785	10112
9-Mar-2018	36239	36588	20878	20999	22619	22999	16784	16220	10254	10711
10-Mar-2018	36238	36411	20880	20895	22620	23037	16668	16089	10056	10240
11-Mar-2018	36239	36538	19670	19821	22614	23069	14991	14417	9412	9932
12-Mar-2018	36240	36498	20752	20804	22452	22733	15957	15270	9560	9946
13-Mar-2018	36240	36406	20736	20667	16982	16699	16038	15201	10011	10207
14-Mar-2018	26545	26722	20864	20896	11304	11138	17395	16569	10372	10561
15-Mar-2018	34604	34715	11242	10940	16016	15925	16755	16000	10765	10905
16-Mar-2018	35520	35522	10677	10782	22258	22640	15610	15052	10259	10209
17-Mar-2018	35395	35410	10800	10871	22595	22923	12242	12065	8673	8997
18-Mar-2018	35356	35373	10670	10717	22448	22650	11184	11190	7326	7836
19-Mar-2018	35400	35597	10790	10656	22533	22849	12921	12551	8040	8515
20-Mar-2018	35553	35847	16899	16938	22517	22673	14172	13635	8081	8591
21-Mar-2018	29996	30030	11073	11519	22611	22969	12255	13075	8135	8716
22-Mar-2018	24240	24532	9735	9566	22612	23124	15544	14800	9366	9688
23-Mar-2018	35392	35617	10761	10805	22544	22805	15627	14989	7700	7202
24-Mar-2018	27090	27369	10723	10809	22281	22808	14461	14004	8517	8778
25-Mar-2018	26986	27325	10747	10843	22518	22678	13013	12758	7124	7484
26-Mar-2018	35291	35920	10768	10866	22568	22906	15541	14760	8641	9089
27-Mar-2018	20631	21116	10758	10901	22321	22792	17352	16490	9784	9877
28-Mar-2018	13082	13852	10693	10913	22364	23091	17171	16446	20057	19169
29-Mar-2018	13752	14328	9751	9807	22465	23082	17571	16714	20468	20558
30-Mar-2018	13912	14339	10800	10781	22620	22588	14678	14224	19698	19752
31-Mar-2018	14469	15195	10615	10444	22128	21795	12079	11530	16415	15316
Total MU	**974.67**	**984.12**	**474.71**	**476.31**	**669.95**	**678.12**	**452.99**	**438.15**	**316.66**	**321.31**
Max. MWH	**40247**	**40951**	**20880**	**21048**	**22620**	**23124**	**17571**	**16714**	**20468**	**20558**
Min MWH	**13082**	**13852**	**9735**	**9566**	**11304**	**11138**	**10222**	**10144**	**6797**	**6985**
Avg. MWH	**31441**	**31746**	**15313**	**15365**	**21611**	**21875**	**14613**	**14134**	**10215**	**10365**

Schedule vs Actual Injection of ISGS (Sheet 2 of 6)

Figs. In MWH

Date	Unchahar-I		Unchahar-II		Unchahar-III		Dadri GPS		Anta GPS		Auraiya GPS	
	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual
1-Mar-2018	8881	8436	8577	8338	4306	4121	3720	3634	0	-29	0	-17
2-Mar-2018	6104	6005	5082	5405	2563	2540	2696	2646	0	-31	0	-17
3-Mar-2018	5598	5538	5186	5165	2644	2571	2729	2685	0	-28	0	-16
4-Mar-2018	7167	6824	6425	6050	3291	3101	3237	3115	0	-27	0	-18
5-Mar-2018	7030	6866	7293	7277	3703	3644	657	585	3016	2955	0	-26
6-Mar-2018	7133	7051	7171	7179	3632	3509	0	-42	5619	5667	0	-29
7-Mar-2018	8547	8304	8370	8002	4210	4047	0	-46	5570	5632	0	-25
8-Mar-2018	9029	8879	8823	8800	4441	4377	0	-42	5654	5721	0	-25
9-Mar-2018	9163	9052	9156	9104	4573	4570	0	-42	1169	1117	0	-26
10-Mar-2018	9118	9021	9063	8655	4560	4528	0	-40	0	-34	0	-24
11-Mar-2018	8988	8856	8847	8709	4408	4359	0	-43	0	-35	0	-18
12-Mar-2018	8830	8630	8366	8253	4266	4199	0	-42	0	-33	0	-12
13-Mar-2018	8907	8719	8379	8260	4312	4184	0	-43	0	-32	0	-11
14-Mar-2018	9097	8976	8971	8855	4458	4386	0	-42	0	-33	0	-13
15-Mar-2018	9074	8933	8939	8788	4508	4441	2281	1872	0	-34	0	-17
16-Mar-2018	8975	8530	8710	8411	4346	4178	8867	8098	0	-32	0	-15
17-Mar-2018	7723	7658	7101	7088	3563	3372	6619	6258	0	-33	0	-11
18-Mar-2018	6083	6058	5982	6094	3225	3274	2965	2903	0	-32	0	-10
19-Mar-2018	7211	6918	6138	5607	3405	3276	6354	6078	0	-33	0	-13
20-Mar-2018	6595	6429	6379	6128	3456	3348	6507	6122	0	-34	0	-17
21-Mar-2018	5760	6850	5832	6602	2916	3352	6083	6224	0	-33	0	-19
22-Mar-2018	7372	7238	7499	7452	3803	3666	3895	3730	0	-31	0	-20
23-Mar-2018	7130	6656	7090	6953	3690	3468	3820	3602	0	-31	0	-24
24-Mar-2018	7184	7028	7222	7193	3776	3685	3670	3564	0	-33	0	-21
25-Mar-2018	6994	6698	6843	6651	3567	3428	3275	3119	0	-31	0	-18
26-Mar-2018	7357	7334	7352	7351	3730	3616	3818	3684	0	-33	0	-18
27-Mar-2018	7622	7558	7914	7802	3919	3889	3918	3890	0	-30	0	-23
28-Mar-2018	8392	8398	8409	8406	4268	4184	4078	4034	0	-36	0	-29
29-Mar-2018	8288	8027	8432	8290	4426	4304	3838	3765	0	-32	0	-28
30-Mar-2018	7506	7182	7794	7548	3897	3685	3706	3589	0	-31	0	-23
31-Mar-2018	6031	5605	6007	5590	2969	2717	2837	2773	0	-34	0	-21
Total MU	**238.89**	**234.26**	**233.35**	**230.01**	**118.83**	**116.02**	**89.57**	**85.59**	**21.03**	**20.26**	**0.00**	**-0.60**
Max. MWH	**9163**	**9052**	**9156**	**9104**	**4573**	**4570**	**8867**	**8098**	**5654**	**5721**	**0**	**-10**
Min MWH	**5598**	**5538**	**5082**	**5165**	**2563**	**2540**	**0**	**-46**	**0**	**-36**	**0**	**-29**
Avg. MWH	**7706**	**7557**	**7527**	**7420**	**3833**	**3743**	**2889**	**2761**	**678**	**653**	**0**	**-19**

Schedule vs Actual Injection of ISGS (Sheet 3 of 6)

Figs. In MWH

Date	NAPS		RAPS-B		RAPS-C	
	Schedule	Actual	Schedule	Actual	Schedule	Actual
1-Mar-2018	9697	9631	9322	9408	4800	4853
2-Mar-2018	9693	9606	9278	9423	4800	4886
3-Mar-2018	9674	9595	9300	9411	4800	4876
4-Mar-2018	9427	9613	9300	9433	4800	4890
5-Mar-2018	9652	9659	9300	9445	4800	4766
6-Mar-2018	9652	9673	9300	9486	0	-574
7-Mar-2018	9697	9665	9344	9484	850	-284
8-Mar-2018	9742	9551	9366	9424	0	-251
9-Mar-2018	9731	9522	9366	9382	0	-319
10-Mar-2018	9607	9553	9322	9392	0	-450
11-Mar-2018	9585	9503	9278	9440	0	-332
12-Mar-2018	9630	9417	9278	9415	0	-309
13-Mar-2018	9280	9289	9322	9382	0	-570
14-Mar-2018	9486	9220	9300	9391	4800	2470
15-Mar-2018	9360	9240	9256	9388	4800	4783
16-Mar-2018	9312	9375	9278	9384	4800	4818
17-Mar-2018	9360	9456	9256	9414	4800	4833
18-Mar-2018	9464	8733	9256	9406	4800	4869
19-Mar-2018	9517	9254	9278	9352	4800	4834
20-Mar-2018	9463	9148	9300	9374	4800	4817
21-Mar-2018	8666	8200	9256	9358	4800	4832
22-Mar-2018	4680	4511	9278	9415	4800	4856
23-Mar-2018	2537	4774	9278	9379	4800	4870
24-Mar-2018	9096	9035	9300	9340	4800	4820
25-Mar-2018	9540	9319	9256	9363	4800	4784
26-Mar-2018	9312	9307	9235	9331	4800	4776
27-Mar-2018	9472	9310	9256	9311	4800	4554
28-Mar-2018	9405	9336	9235	9312	4800	4483
29-Mar-2018	9405	9372	9191	9290	4793	4447
30-Mar-2018	9427	9281	9213	9301	4800	4678
31-Mar-2018	9427	9413	9213	9268	9600	8844
Total MU	**282.00**	**280.56**	**287.71**	**290.90**	**116.04**	**108.55**
Max. MWH	**9742**	**9673**	**9366**	**9486**	**9600**	**8844**
Min MWH	**2537**	**4511**	**9191**	**9268**	**0**	**-574**
Avg. MWH	**9097**	**9050**	**9281**	**9384**	**3743**	**3502**

Schedule vs Actual Injection of ISGS (Sheet 4 of 6)

Figs. In MWH

Date	Bairasiul		Salal		Tanakpur		Chamera Stage-I		Chamera Stage-II		Uri	
	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual
1-Mar-2018	594	884	2370	3276	414	467	1802	1958	1050	1165	3021	3335
2-Mar-2018	844	1117	4068	4552	430	459	1800	1939	1225	1339	3210	3504
3-Mar-2018	882	996	3765	4367	437	446	1800	1981	1150	1324	7115	7744
4-Mar-2018	857	1129	2860	3947	442	441	1800	1961	1200	1321	7661	8236
5-Mar-2018	882	1000	2930	3852	414	444	2000	2187	1150	1274	5660	4258
6-Mar-2018	707	831	2768	3473	425	470	2000	2202	1199	1337	5453	5864
7-Mar-2018	632	847	2700	3311	437	448	2000	2211	1100	1207	5168	5553
8-Mar-2018	657	878	2490	3194	414	448	2000	2209	1050	1167	5003	5313
9-Mar-2018	657	929	2295	2913	451	447	2000	2246	1174	1298	4548	4828
10-Mar-2018	650	753	2100	2752	443	452	2000	2226	1175	1340	4090	4432
11-Mar-2018	650	729	2359	2653	422	414	2000	2143	1100	1229	3903	4265
12-Mar-2018	614	739	2100	2931	417	420	2000	2171	1150	1266	3543	3899
13-Mar-2018	600	892	2250	3017	393	409	2000	2155	1150	1295	3478	3824
14-Mar-2018	550	904	2220	3020	408	429	2000	2145	1100	1236	4358	4695
15-Mar-2018	670	968	2535	3373	393	414	2000	2127	1100	1229	7166	7936
16-Mar-2018	700	819	3180	3961	407	456	2000	2127	1199	1344	7488	7932
17-Mar-2018	625	740	2558	3231	434	477	2000	2118	1174	1286	6110	6473
18-Mar-2018	690	783	2550	3214	460	456	2000	2112	1100	1225	6308	6604
19-Mar-2018	665	809	2460	3233	427	429	2000	2121	1100	1237	6008	6360
20-Mar-2018	725	927	2430	3236	421	423	2200	2358	1100	1218	5668	5981
21-Mar-2018	700	1138	2370	3062	432	442	2201	2358	1100	1443	5715	5826
22-Mar-2018	818	940	2200	2938	432	440	2500	2676	1600	1741	5423	5710
23-Mar-2018	780	848	2370	3140	432	444	3000	3222	1501	1657	4950	5360
24-Mar-2018	750	863	2370	3221	451	450	2500	2712	1300	1426	5050	5399
25-Mar-2018	800	884	2715	3450	435	444	2500	2662	1450	1572	5380	5758
26-Mar-2018	795	962	2415	3132	430	431	2200	2365	1450	1570	5093	5558
27-Mar-2018	975	1180	2490	3517	425	436	2200	2352	1775	1892	5318	5811
28-Mar-2018	950	1216	2883	3839	401	408	2200	2398	2050	2261	5083	5748
29-Mar-2018	1085	1240	2880	3836	403	420	2200	2353	2125	2277	5410	5942
30-Mar-2018	1085	1156	2568	3525	391	400	2200	2296	1750	1810	5438	6012
31-Mar-2018	1140	1164	2560	3207	399	425	2200	2235	1900	1996	5880	6325
Total MU	**23.73**	**29.27**	**80.81**	**104.37**	**13.12**	**13.59**	**65.30**	**70.33**	**40.75**	**44.98**	**163.70**	**174.49**
Max. MWH	**1140**	**1240**	**4068**	**4552**	**460**	**477**	**3000**	**3222**	**2125**	**2277**	**7661**	**8236**
Min MWH	**550**	**729**	**2100**	**2653**	**391**	**400**	**1800**	**1939**	**1050**	**1165**	**3021**	**3335**
Avg. MWH	**765**	**944**	**2607**	**3367**	**423**	**438**	**2107**	**2269**	**1314**	**1451**	**5281**	**5629**

Schedule vs Actual Injection of ISGS (Sheet 5 of 6)

Figs. In MWH

Date	DhauliGanga		Dulhasti		Nathpa-Jhakri HEP		Tehri	
	Schedule	Actual	Schedule	Actual	Schedule	Actual	Schedule	Actual
1-Mar-2018	841	745	2200	2409	6390	6521	7420	7433
2-Mar-2018	841	784	2100	2290	5223	5613	7081	7114
3-Mar-2018	841	725	2500	2741	6683	7040	7400	7433
4-Mar-2018	841	701	2500	2691	6000	6161	7340	7340
5-Mar-2018	840	834	2200	2381	6829	7137	6940	6989
6-Mar-2018	735	735	2000	2218	6200	6375	6940	6970
7-Mar-2018	735	792	2100	2319	6200	6224	6880	6932
8-Mar-2018	770	871	2100	2299	6200	6380	6840	6894
9-Mar-2018	770	816	2100	2345	6200	6261	6840	6950
10-Mar-2018	770	819	2100	2340	6200	6496	6840	6866
11-Mar-2018	770	815	2100	2304	6200	6488	6810	6855
12-Mar-2018	770	815	2000	2205	6100	6266	6750	6815
13-Mar-2018	770	826	2100	2334	6000	6040	7125	7150
14-Mar-2018	770	825	2200	2407	6000	6068	6750	6831
15-Mar-2018	770	836	2200	2439	5800	5789	6700	6748
16-Mar-2018	770	823	2200	2362	5800	5701	6300	6307
17-Mar-2018	770	814	2500	2756	5800	5882	6640	6636
18-Mar-2018	770	818	2400	2626	5732	5817	7350	7287
19-Mar-2018	770	834	2000	2195	5800	5918	7350	7363
20-Mar-2018	770	835	2200	2436	5900	6105	7300	7379
21-Mar-2018	770	824	2200	2404	5900	6145	7070	7294
22-Mar-2018	770	830	2300	2542	6500	6637	7300	7301
23-Mar-2018	770	832	2300	2516	6500	6580	7200	7164
24-Mar-2018	874	950	2300	2482	6400	6808	7200	7204
25-Mar-2018	840	905	2300	2509	6400	6586	6152	6122
26-Mar-2018	874	939	2300	2529	6400	6768	6150	6127
27-Mar-2018	840	920	2300	2497	7000	7357	6100	6112
28-Mar-2018	770	848	2700	2899	7000	7127	6010	6065
29-Mar-2018	798	892	3300	3547	7550	6383	6060	6115
30-Mar-2018	840	919	3200	3464	7250	7161	6060	6004
31-Mar-2018	1452	1494	3000	1529	7000	6967	6350	6192
Total MU	**25.28**	**26.42**	**72.00**	**77.02**	**195.16**	**198.80**	**211.25**	**211.99**
Max. MWH	**1452**	**1494**	**3300**	**3547**	**7550**	**7357**	**7420**	**7433**
Min MWH	**735**	**701**	**2000**	**1529**	**5223**	**5613**	**6010**	**6004**
Avg. MWH	**816**	**852**	**2323**	**2484**	**6295**	**6413**	**6814**	**6838**

Schedule vs Actual Injection of ISGS (Sheet 6 of 6)

Figs. In MWH

Date	Bhakra Complex		Dehar		Pong	
	Schedule	Actual	Schedule	Actual	Schedule	Actual
1-Mar-2018	16852	17068	2920	3042	5000	5085
2-Mar-2018	16832	16930	2920	3011	5399	5447
3-Mar-2018	16851	16980	2520	2680	5620	5676
4-Mar-2018	16671	16812	2920	3138	5812	5911
5-Mar-2018	16957	17105	3200	3347	5499	5532
6-Mar-2018	16576	16743	3120	3361	5191	5296
7-Mar-2018	16791	16954	2585	2806	5467	5519
8-Mar-2018	16713	16865	2600	2845	5481	5525
9-Mar-2018	16402	16571	2720	2963	5385	5491
10-Mar-2018	16479	16609	2520	2723	5444	5510
11-Mar-2018	16814	16921	2520	2690	5515	5543
12-Mar-2018	16857	17040	2290	2421	5682	5765
13-Mar-2018	16969	17060	2400	2576	5824	5889
14-Mar-2018	16818	16918	2600	2786	5418	5436
15-Mar-2018	16902	17131	2600	2753	5459	5569
16-Mar-2018	16365	16514	2600	2728	5138	5217
17-Mar-2018	15982	16156	2600	2759	4995	5069
18-Mar-2018	16039	16159	2520	2673	5036	5084
19-Mar-2018	16155	16217	2520	2651	4968	5014
20-Mar-2018	15460	15525	2520	2605	5097	5145
21-Mar-2018	14599	14495	2520	2723	4903	4905
22-Mar-2018	13973	14085	2440	2614	4769	4807
23-Mar-2018	14609	14723	3280	3443	4743	4823
24-Mar-2018	14920	15038	2880	3056	4066	4147
25-Mar-2018	15369	15423	3120	3280	3511	3533
26-Mar-2018	14548	14739	2880	3024	3168	3213
27-Mar-2018	13768	13933	2920	3100	1454	1523
28-Mar-2018	12715	12849	3080	3232	1122	1155
29-Mar-2018	13131	13278	3515	3801	982	990
30-Mar-2018	12862	13002	3680	3926	740	819
31-Mar-2018	11382	11465	3280	3395	395	385
Total MU	**483.36**	**487.31**	**86.79**	**92.15**	**137.28**	**139.02**
Max. MWH	**16969**	**17131**	**3680**	**3926**	**5824**	**5911**
Min MWH	**11382**	**11465**	**2290**	**2421**	**395**	**385**
Avg. MWH	**15592**	**15720**	**2800**	**2973**	**4428**	**4485**

Operational data

(All Figs In MUs)

Date	Punjab(T)	Punjab(H)	Haryana(T)	Haryana(H)	Rajasthan(T)	Rajasthan(H)	UP (T)	UP (H)	Uttarakhand(H)	Delhi(T)	HP (H)	J & K(H+GT)	Total
01	76.383	10.329	55.924	0.143	137.524	3.945	185.778	7.270	7.886	13.465	4.971	4.236	**507.85**
02	48.137	8.419	43.281	0.200	120.784	3.548	178.642	7.044	8.706	7.269	4.545	4.236	**434.81**
03	51.787	8.682	42.306	0.209	127.312	4.512	160.266	5.661	8.491	4.655	4.464	4.468	**422.81**
04	62.428	10.831	45.615	0.190	121.785	4.122	165.948	5.500	8.574	4.795	4.817	5.202	**439.81**
05	75.647	10.712	53.018	0.234	120.315	4.479	168.686	5.743	9.258	8.253	4.981	5.210	**466.54**
06	83.419	10.178	55.903	0.295	130.579	4.213	175.173	4.582	9.330	10.856	4.887	5.620	**495.03**
07	84.471	9.998	56.412	0.342	137.604	4.669	175.358	5.671	9.152	8.046	4.813	5.613	**502.15**
08	85.398	10.011	47.276	0.329	140.513	4.195	165.261	5.742	8.918	11.148	4.950	5.382	**489.12**
09	85.696	10.555	48.731	0.277	149.225	4.401	162.114	6.400	8.745	12.835	4.699	5.286	**498.96**
10	91.000	9.272	51.789	0.285	140.156	4.578	161.428	7.400	8.589	11.415	4.408	5.210	**495.53**
11	87.328	9.272	66.075	0.291	131.364	4.244	184.840	6.900	8.609	12.803	4.200	4.691	**520.62**
12	85.402	9.229	74.806	0.275	131.082	3.933	194.940	4.600	8.762	12.795	4.106	4.716	**534.65**
13	87.485	10.713	74.990	0.323	151.286	3.628	190.069	4.137	8.813	14.687	4.208	4.716	**555.05**
14	89.814	10.808	75.611	0.318	143.801	5.273	191.362	5.468	8.534	16.166	4.611	4.603	**556.37**
15	86.905	11.028	75.149	0.312	141.850	3.544	191.814	5.590	8.180	16.587	4.368	4.508	**549.83**
16	84.056	10.276	74.344	0.270	135.397	1.568	189.232	5.634	7.455	12.312	4.502	4.950	**530.00**
17	83.749	9.732	74.174	0.282	128.091	1.760	194.749	3.832	7.050	12.110	4.477	5.050	**525.06**
18	79.842	9.809	67.940	0.284	137.925	1.522	183.946	3.688	6.932	11.636	4.416	4.956	**512.90**
19	81.564	10.000	75.249	0.273	141.760	2.239	185.031	3.442	6.886	11.640	4.414	5.419	**527.92**
20	80.341	9.900	78.490	0.315	137.990	2.145	188.867	3.889	6.959	11.722	4.757	5.264	**530.64**
21	66.726	9.301	69.571	0.289	135.043	2.157	194.233	3.259	6.682	11.808	5.063	5.006	**509.14**
22	70.108	9.671	68.351	0.345	137.383	2.767	193.344	5.000	9.086	14.840	5.389	5.020	**521.30**
23	78.099	9.358	68.758	0.401	131.159	1.068	189.532	5.200	7.507	22.367	5.737	5.256	**524.44**
24	76.774	9.369	70.797	0.347	128.541	2.275	182.504	6.000	7.423	15.322	5.366	5.714	**510.43**
25	73.373	9.628	66.889	0.354	121.863	1.914	169.911	5.425	7.166	13.121	5.364	5.266	**480.27**
26	76.674	8.342	72.529	0.377	127.021	1.853	176.144	5.439	7.360	10.328	5.683	5.262	**497.01**
27	83.042	6.881	72.804	0.319	138.296	0.896	176.295	6.439	7.527	10.824	5.722	5.671	**514.72**
28	81.586	6.051	75.891	0.287	133.284	0.369	187.000	5.873	7.550	11.653	5.947	4.408	**519.90**
29	81.320	4.984	75.248	0.397	122.006	1.248	182.936	6.344	7.374	15.735	5.952	6.714	**510.26**
30	85.305	4.648	72.658	0.335	118.179	0.014	178.895	5.485	7.151	14.690	5.823	5.416	**498.60**
31	73.581	2.237	67.313	0.299	130.105	0.308	158.702	4.162	7.446	15.422	5.901	4.892	**470.37**
Maximum	91.00	11.03	78.49	0.40	151.29	5.27	194.94	7.40	9.33	22.37	5.95	6.71	556.37
Minimum	48.14	2.24	42.31	0.14	118.18	0.01	158.70	3.26	6.68	4.66	4.11	4.24	422.81
Average	78.63	9.04	65.09	0.30	133.20	2.82	180.10	5.38	8.00	12.30	4.95	5.10	504.91
Month Total	**2437.44**	**280.22**	**2017.89**	**9.20**	**4129.22**	**87.39**	**5583.00**	**166.82**	**248.10**	**381.30**	**153.54**	**157.96**	**15652.09**

Summary Of Inter Regional Exchanges For March, 2018

Date	Vindhyachal HVDC B/B							220 kV Auraiya - Malanpur					
	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export
	MW	MW	MW	MW	MU	MU	MU	MW	MW	MW	MW	MU	MU
01	-250	-100	150	250	0.47	3.31	-2.84	-101	-123	0	166	0.00	2.85
02	-250	150	150	250	1.65	2.36	-0.71	-130	-106	0	180	0.00	2.60
03	-250	-250	0	-250	0.00	6.02	-6.02	-119	-128	0	167	0.00	3.06
04	-250	-250	0	250	0.00	6.05	-6.05	-62	-125	0	164	0.00	2.60
05	-250	-250	0	250	0.00	6.03	-6.03	-98	-101	0	141	0.00	2.18
06	0	-250	0	250	0.00	2.96	-2.96	-103	-87	0	129	0.00	2.14
07	0	0	0	0	0.00	0.00	0.00	-86	-108	0	141	0.00	2.13
08	0	0	0	0	0.00	0.00	0.00	-100	-98	0	130	0.00	1.99
09	0	0	0	0	0.00	0.00	0.00	-95	-87	0	132	0.00	2.12
10	0	0	0	0	0.00	0.00	0.00	-109	-90	0	133	0.00	2.37
11	0	0	0	250	0.00	0.05	-0.05	-134	-96	0	154	0.00	2.70
12	0	0	0	0	0.00	0.00	0.00	-128	-117	0	154	0.00	2.73
13	0	-250	0	250	0.00	4.34	-4.34	-123	-109	0	164	0.00	2.81
14	-100	-100	0	150	0.00	2.55	-2.55	-106	-123	0	157	0.00	2.49
15	-150	-150	0	150	0.00	3.65	-3.65	-99	-105	0	153	0.00	2.19
16	-250	150	0	250	0.00	4.57	-4.57	-81	-86	0	132	0.00	1.89
17	-250	-250	0	250	0.00	6.04	-6.04	-102	-79	0	130	0.00	1.72
18	-50	-250	0	250	0.00	4.49	-4.49	-88	-70	0	109	0.00	1.75
19	250	50	250	50	2.05	0.78	1.27	-113	-75	0	129	0.00	1.86
20	250	50	250	50	2.29	0.28	2.01	-67	-75	0	118	0.00	1.74
21	250	-50	250	50	3.05	0.51	2.54	-33	-67	0	133	0.00	1.37
22	150	50	250	0	2.04	0.00	2.04	-49	-63	0	70	0.00	1.35
23	250	50	250	0	4.04	0.00	4.04	-52	-50	0	115	0.00	1.21
24	250	250	250	0	5.97	0.00	5.97	-57	-50	0	112	0.00	1.14
25	-200	250	250	200	3.11	1.08	2.03	-53	-31	0	100	0.00	0.95
26	-200	200	0	200	4.82	0.00	4.82	-104	-37	0	183	0.00	1.45
27	150	0	200	200	2.17	1.73	0.44	-71	-45	0	113	0.00	1.39
28	200	200	200	150	4.27	0.33	3.94	-71	-47	0	114	0.00	1.34
29	150	-150	150	150	1.89	1.64	0.24	-71	-34	0	101	0.00	1.35
30	250	150	250	0	4.47	0.00	4.47	-75	-62	0	129	0.00	1.33
31	250	250	250	0	5.99	0.00	5.99	-49	-43	0	107	0.00	1.13
Maximum	250	250	250	250	5.99	6.05	5.99	-33	-31	0	183	0.00	3.06
Minimum	-250	-250	0	-250	0.00	0.00	-6.05	-134	-128	0	70	0.00	0.95
Average	-2	-16	100	116	1.56	1.90	-0.34	-88	-81	0	134	0.00	1.93
Month Total					48.27	58.78	-10.50					0.00	59.91

Summary Of Inter Regional Exchanges For March, 2018

Date	220 kV Kota/Morak - Badod							400 kV Sasaram Varanasi					
	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export
	MW	MW	MW	MW	MU	MU	MU	MW	MW	MW	MW	MU	MU
01	-118	-86	19	129	0.00	1.53	-1.53	143	123	143	0	2.98	0.00
02	-92	-103	14	-127	0.00	1.32	-1.32	127	143	147	0	2.98	0.00
03	-84	-68	95	96	0.00	0.51	-0.51	153	135	163	0	1.45	0.00
04	-107	-54	34	100	0.00	1.10	-1.10	154	142	154	0	3.43	0.00
05	-156	-15	20	156	0.00	1.33	-1.33	141	137	141	0	3.06	0.00
06	-147	-24	27	0	0.00	0.94	-0.94	150	124	150	0	3.14	0.00
07	-130	-25	14	130	0.00	1.22	-1.22	139	134	145	0	3.03	0.00
08	-133	12	33	88	0.00	0.82	-0.82	129	119	129	0	2.73	0.00
09	-211	-49	0	211	0.00	1.85	-1.85	131	113	131	0	2.83	0.00
10	-85	-42	0	133	0.00	1.56	-1.56	128	114	128	0	2.78	0.00
11	-95	-35	28	82	0.00	1.22	-1.22	143	120	143	0	3.06	0.00
12	-129	33	34	0	0.00	0.78	-0.78	128	123	128	0	2.88	0.00
13	-150	-81	11	150	0.00	1.39	-1.39	138	120	138	0	2.93	0.00
14	-136	-42	25	0	0.00	0.96	-0.96	130	116	137	0	2.68	0.00
15	-68	-43	33	72	0.00	0.34	-0.34	152	110	152	0	2.96	0.00
16	-95	2	95	52	0.00	0.82	-0.82	147	131	147	0	3.22	0.00
17	-157	-74	46	157	0.00	1.15	-1.15	140	136	145	0	3.11	0.00
18	-160	-8	106	42	0.00	0.77	-0.77	147	125	0	147	2.93	0.00
19	-133	-16	0	0	0.00	1.30	-1.30	157	135	161	0	3.30	0.00
20	-91	-63	40	135	0.00	1.08	-1.08	69	-152	160	71	1.29	0.00
21	65	33	70	0	0.05	0.00	0.05	72	37	0	72	0.00	1.17
22	138	123	31	135	0.17	0.00	0.17	-60	-43	0	63	0.00	0.82
23	-139	-68	44	139	0.00	1.40	-1.40	-48	-45	5	65	0.00	0.84
24	-151	-64	20	151	0.00	1.54	-1.54	-34	-40	0	61	0.00	0.83
25	-162	-84	36	104	0.00	1.74	-1.74	-4	-28	47	65	0.00	0.19
26	-130	-73	33	0	0.00	1.60	-1.60	9	19	47	19	0.05	0.00
27	-120	-125	22	174	0.00	1.88	-1.88	-30	-18	38	39	0.00	0.28
28	-176	-35	0	2	0.00	1.71	-1.71	-2	-1	33	19	0.00	0.21
29	-4	-60	19	164	0.00	1.34	-1.34	-17	1	35	17	0.05	0.00
30	-73	-10	70	84	0.11	0.00	0.11	60	25	49	60	0.14	0.00
31	-36	12	70	0	0.26	0.00	0.26	-37	-23	34	37	0.00	0.31
Maximum	138	123	106	211	0.26	1.88	0.26	157	143	163	147	3.43	1.17
Minimum	-211	-125	0	-127	0.00	0.00	-1.88	-60	-152	0	0	0.00	0.00
Average	-105	-37	35	83	0.02	1.07	-1.05	86	69	98	24	1.84	0.15
Month Total					0.59	33.18	-32.60					57.00	4.64

Summary Of Inter Regional Exchanges For March, 2018

Date	132 kV Sahupuri - Karamnasa							132 kV Rihand Son Nagar					
	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export
	MW	MW	MW	MW	MU	MU	MU	MW	MW	MW	MW	MU	MU
01	0	0	0	0	0.96	0.00	0.96	-22	-24	0	26	0.00	0.50
02	0	0	0	0	0.96	0.00	0.96	-150	-75	0	0	0.00	0.47
03	0	0	0	0	0.96	0.48	0.48	-28	-24	0	34	0.00	0.56
04	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.76
05	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.72
06	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.73
07	0	0	0	0	0.00	0.00	0.00	-32	-27	0	34	0.00	0.72
08	0	0	0	0	0.00	0.00	0.00	-30	-32	0	35	0.00	0.62
09	0	0	0	0	0.00	0.00	0.00	30	27	0	36	0.00	0.70
10	0	0	0	0	0.00	0.00	0.00	-27	-33	0	33	0.00	0.69
11	0	0	0	0	0.00	0.00	0.00	-33	-31	0	33	0.00	0.68
12	0	0	0	0	0.00	0.00	0.00	-35	-33	0	35	0.00	0.77
13	0	0	0	0	0.96	0.00	0.96	0	0	0	0	0.00	0.58
14	0	0	0	0	0.96	0.00	0.96	0	0	0	0	0.00	0.68
15	0	0	0	0	0.96	0.00	0.96	0	0	0	0	0.00	0.75
16	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.78
17	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.75
18	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.76
19	0	0	0	0	0.96	0.00	0.96	-25	-20	0	37	0.00	0.75
20	0	0	0	0	0.00	0.00	0.00	-29	-33	0	36	0.00	0.75
21	0	0	0	0	0.00	0.00	0.00	29	32	0	35	0.00	0.70
22	0	0	0	0	0.00	0.00	0.00	-17	-31	0	38	0.00	0.75
23	0	0	0	0	0.00	0.00	0.00	-28	-35	0	37	0.00	0.78
24	0	0	0	0	0.00	0.00	0.00	-30	-31	0	37	0.00	0.76
25	0	0	1	0	0.00	0.00	0.00	0	-32	0	-46	0.00	-0.54
26	0	0	1	0	0.00	0.00	0.00	-26	-34	0	-36	0.00	-0.68
27	0	0	1	0	0.00	0.00	0.00	-29	-32	0	35	0.00	0.74
28	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.73
29	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.72
30	0	0	0	0	0.00	0.00	0.00	0	0	0	0	0.00	0.63
31	0	0	0	0	0.96	0.00	0.96	-19	-21	0	0	0.00	0.63
Maximum	0	0	1	0	0.96	0.48	0.96	30	32	0	38	0.00	0.78
Minimum	0	0	0	0	0.00	0.00	0.00	-150	-75	0	-46	0.00	-0.68
Average	0	0	0	0	0.25	0.02	0.23	-16	-16	0	14	0.00	0.61
Month Total					7.69	0.48	7.21					0.00	18.90

Summary Of Inter Regional Exchanges For March, 2018

Date	220 kV Sahupuri - Pusauli							400 kV Gorakhpur - Muzaffarpur					
	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export
	MW	MW	MW	MW	MU	MU	MU	MW	MW	MW	MW	MU	MU
01	139	119	139	0	2.90	0.00	2.90	145	272	488	0	7.09	0.00
02	132	111	136	0	2.90	0.00	2.90	216	180	398	0	5.33	0.00
03	142	107	142	0	2.77	0.00	2.77	19	228	424	44	4.51	0.00
04	149	121	149	0	2.90	0.00	2.90	18	100	233	-28	2.99	0.00
05	139	124	156	0	3.14	0.00	3.14	147	244	400	0	6.42	0.00
06	156	132	156	0	3.21	0.00	3.21	-26	304	373	106	4.55	0.00
07	156	124	156	0	3.10	0.00	3.10	107	159	429	0	4.95	0.00
08	155	118	155	0	3.00	0.00	3.00	80	310	362	0	6.01	0.00
09	115	121	159	0	2.42	0.00	2.42	52	262	469	0	6.40	0.00
10	120	126	154	0	3.04	0.00	3.04	160	333	420	0	6.29	0.00
11	148	120	148	0	2.82	0.00	2.82	122	270	326	0	5.50	0.00
12	157	124	157	0	3.07	0.00	3.07	89	284	389	0	6.02	0.00
13	-153	-127	158	0	3.13	0.00	3.13	80	209	393	0	5.10	0.00
14	-118	-121	162	0	3.08	0.00	3.08	93	196	307	9	4.17	0.00
15	158	138	158	0	3.15	0.00	3.15	174	136	280	174	2.00	0.00
16	165	137	150	0	3.09	0.00	3.09	-60	31	213	60	2.18	0.00
17	162	135	162	0	3.25	0.00	3.25	-69	31	349	69	2.93	0.00
18	153	136	156	0	3.03	0.00	3.03	122	178	350	189	2.47	0.00
19	156	135	156	0	3.06	0.00	3.06	-136	38	196	136	0.87	0.00
20	166	126	65	0	3.36	0.00	3.36	-74	56	140	130	1.27	0.00
21	162	134	164	0	3.34	0.00	3.34	44	74	245	62	1.28	0.00
22	163	129	163	0	3.25	0.00	3.25	15	15	225	123	0.80	0.00
23	162	144	166	0	3.26	0.00	3.26	19	62	232	17	2.27	0.00
24	156	138	162	0	3.37	0.00	3.37	58	77	274	3	2.11	0.00
25	153	106	193	0	3.21	0.00	3.21	20	104	194	0	2.69	0.00
26	-160	-132	160	0	3.29	0.00	3.29	51	85	266	0	2.69	0.00
27	155	132	158	0	3.28	0.00	3.28	12	66	216	3	2.03	0.00
28	166	136	169	0	3.26	0.00	3.26	21	62	177	3	1.74	0.00
29	163	141	166	0	3.32	0.00	3.32	-75	43	196	75	2.26	0.00
30	172	141	172	0	3.02	0.00	3.02	382	62	422	21	4.87	0.00
31	150	100	160	0	2.80	0.00	2.80	96	284	418	0	5.13	0.00
Maximum	172	144	193	0	3.37	0.00	3.37	382	333	488	189	7.09	0.00
Minimum	-160	-132	65	0	2.42	0.00	2.42	-136	15	140	-28	0.80	0.00
Average	124	102	155	0	3.09	0.00	3.09	61	153	316	39	3.71	0.00
Month Total					95.81	0.00	95.81					114.88	0.00

Summary Of Inter Regional Exchanges For March, 2018

Date	765 kV Agra - Gwalior (Charged at 400 kV)							400 kV Ballia - Patna					
	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export
	MW	MW	MW	MW	MU	MU	MU	MW	MW	MW	MW	MU	MU
01	1919	2017	2598	0	48.91	0.00	48.91	693	853	1056	0	20.51	0.00
02	1377	2007	2483	0	45.91	0.00	45.91	570	716	764	0	16.09	0.00
03	1185	1674	2452	0	43.77	0.00	43.77	355	721	919	0	14.46	0.00
04	1463	1923	2430	0	45.78	0.00	45.78	469	535	698	0	13.72	0.00
05	1323	2167	2436	0	45.80	0.00	45.80	596	649	842	0	16.73	0.00
06	1166	2207	2355	0	44.78	0.00	44.78	411	782	859	0	15.73	0.00
07	1429	1774	2221	0	44.32	0.00	44.32	665	601	999	0	18.05	0.00
08	1585	2331	2331	0	49.41	0.00	49.41	702	900	985	0	20.25	0.00
09	1610	2289	2379	0	48.37	0.00	48.37	682	883	924	0	17.34	0.00
10	1558	2244	2325	0	47.27	0.00	47.27	585	873	873	0	17.80	0.00
11	1325	2268	2275	0	44.90	0.00	44.90	155	206	206	0	18.76	0.00
12	1463	2226	2547	0	47.94	0.00	47.94	650	844	948	0	17.54	0.00
13	1400	2239	2432	0	48.01	0.00	48.01	565	795	909	0	18.16	0.00
14	1566	1931	2388	0	47.45	0.00	47.45	642	746	876	0	17.60	0.00
15	1527	2149	2373	0	45.76	0.00	45.76	489	760	858	0	16.28	0.00
16	1704	2040	2129	0	45.39	0.00	45.39	535	654	0	817	15.66	0.00
17	1575	2013	2532	0	46.67	0.00	46.67	489	569	0	880	15.91	0.00
18	1558	2362	2537	0	50.93	0.00	50.93	507	702	829	0	15.53	0.00
19	1286	2311	2469	0	50.49	0.00	50.49	460	386	727	0	12.86	0.00
20	1630	2214	2460	0	50.30	0.00	50.30	327	469	526	0	11.01	0.00
21	1710	2242	2545	0	48.88	0.00	48.88	272	455	572	0	10.19	0.00
22	1832	2211	2528	0	51.56	0.00	51.56	317	424	598	0	9.98	0.00
23	1780	2183	2480	0	51.88	0.00	51.88	364	451	571	0	11.19	0.00
24	1798	2411	2535	0	52.90	0.00	52.90	397	498	780	0	12.57	0.00
25	1587	2658	2753	0	53.70	0.00	53.70	354	467	0	565	11.09	0.00
26	1651	2248	2555	0	50.22	0.00	50.22	354	467	0	565	11.09	0.00
27	1446	1986	2275	0	43.62	0.00	43.62	495	490	570	0	11.22	0.00
28	1513	1924	2203	0	42.54	0.00	42.54	299	459	598	0	10.75	0.00
29	-1379	-2127	2127	0	42.31	0.00	42.31	306	332	573	0	10.66	0.00
30	1711	1761	2398	0	46.78	0.00	46.78	578	423	745	0	12.58	0.00
31	1861	2322	2477	0	50.87	0.00	50.87	414	455	688	0	12.43	0.00
Maximum	1919	2658	2753	0	53.70	0.00	53.70	702	900	1056	880	20.51	0.00
Minimum	-1379	-2127	2127	0	42.31	0.00	42.31	155	206	0	0	9.98	0.00
Average	1457	2007	2420	0	47.66	0.00	47.66	474	599	661	91	14.64	0.00
Month Total					1477.41	0.00	1477.41					453.74	0.00

Summary Of Inter Regional Exchanges For March, 2018

Date	400 kV Ballia - Biharshariff							400 KV KANKROLI ZERDA					
	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export
	MW	MW	MW	MW	MU	MU	MU	MW	MW	MW	MW	MU	MU
01	140	214	299	0	5.49	0.00	5.49	-269	-259	0	307	0.00	5.48
02	106	134	217	0	3.83	0.00	3.83	-299	-260	0	299	0.00	5.27
03	21	108	252	0	3.26	0.00	3.26	-404	-354	0	449	0.00	6.72
04	33	85	193	0	2.78	0.00	2.78	-347	-199	0	347	0.00	5.76
05	78	133	246	0	3.99	0.00	3.99	-456	-222	0	456	0.00	7.65
06	4	181	229	0	3.08	0.00	3.08	-364	-288	0	405	0.00	6.95
07	83	135	348	0	4.51	0.00	4.51	-283	-257	0	359	0.00	6.16
08	106	258	320	0	5.72	0.00	5.72	-345	-226	0	405	0.00	7.06
09	104	214	325	0	5.67	0.00	5.67	-471	-381	0	471	0.00	8.95
10	190	208	330	0	5.33	0.00	5.33	-365	-248	0	395	0.00	7.62
11	46	115	147	0	4.97	0.00	4.97	-310	-227	0	348	0.00	6.98
12	106	236	296	0	5.44	0.00	5.44	-361	-204	0	403	0.00	6.55
13	103	219	323	0	5.57	0.00	5.57	-453	-290	0	453	0.00	7.60
14	112	222	298	0	5.27	0.00	5.27	-341	-311	0	341	0.00	5.98
15	34	176	281	0	4.52	0.00	4.52	-385	-331	0	385	0.00	7.50
16	238	169	0	277	4.83	0.00	4.83	-388	-241	0	388	0.00	7.13
17	14	136	0	254	4.38	0.00	4.38	-459	-287	0	459	0.00	7.83
18	2	117	237	-31	2.70	0.00	2.70	-432	-203	0	432	0.00	7.13
19	-20	136	161	20	2.65	0.00	2.65	-488	-267	0	488	0.00	8.09
20	64	121	188	0	3.04	0.00	3.04	-447	-348	0	467	0.00	8.74
21	45	145	201	0	3.22	0.00	3.22	-425	-289	0	458	0.00	8.12
22	86	119	226	0	3.33	0.00	3.33	-394	-368	0	450	0.00	9.01
23	109	140	216	0	3.92	0.00	3.92	-371	-327	0	398	0.00	8.23
24	103	155	244	0	3.95	0.00	3.95	-426	-289	0	458	0.00	5.90
25	100	177	0	223	4.25	0.00	4.25	-438	-246	0	438	0.00	7.11
26	100	177	0	223	4.25	0.00	4.25	-438	-246	0	438	0.00	8.11
27	143	152	216	0	3.75	0.00	3.75	-377	-342	0	456	0.00	8.38
28	130	158	218	0	4.17	0.00	4.17	-413	-304	0	413	0.00	7.36
29	67	174	249	0	4.23	0.00	4.23	-458	-290	0	480	0.00	8.79
30	93	124	292	0	4.81	0.00	4.81	-365	-361	0	409	0.00	7.95
31	171	244	310	0	6.18	0.00	6.18	-341	-309	0	453	0.00	8.12
Maximum	238	258	348	277	6.18	0.00	6.18	-269	-199	0	488	0.00	9.01
Minimum	-20	85	0	-31	2.65	0.00	2.65	-488	-381	0	299	0.00	5.27
Average	87	164	221	31	4.29	0.00	4.29	-391	-283	0	416	0.00	7.36
Month Total					133.09	0.00	133.09					0.00	228.21

Summary Of Inter Regional Exchanges For March, 2018

Date	765 KV Sasaram Fatehpur							400 kV BHINMAL ZERDA					
	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export
	MW	MW	MW	MW	MU	MU	MU	MW	MW	MW	MW	MU	MU
01	-90	47	191	90	1.71	0.00	1.71	-252	-207	2	276	0.00	4.06
02	-124	-63	20	124	0.00	0.62	-0.62	-253	-236	87	290	0.00	3.92
03	-118	-72	0	118	0.00	0.18	-0.18	-313	-290	14	290	0.00	4.81
04	-170	-38	115	170	0.00	0.09	-0.09	-296	-105	0	307	0.00	3.81
05	-103	-2	167	103	1.03	0.00	1.03	-385	-139	0	456	0.00	6.01
06	-133	-4	165	161	0.24	0.00	0.24	-296	-260	0	408	0.00	5.81
07	73	54	202	120	1.05	0.00	1.05	-236	-227	0	332	0.00	4.79
08	-79	47	191	79	1.77	0.00	1.77	-217	-172	0	372	0.00	5.37
09	-89	21	255	89	1.90	0.00	1.90	-416	-341	0	479	0.00	7.95
10	-66	94	190	66	1.85	0.00	1.85	-308	-230	0	362	0.00	6.43
11	-95	56	118	166	1.03	0.00	1.03	-253	-198	0	328	0.00	5.43
12	-147	-11	147	147	0.69	0.00	0.69	-288	-162	0	370	0.00	5.15
13	-246	-27	85	246	0.00	0.82	-0.82	-440	-269	0	497	0.00	7.33
14	-244	-56	101	244	0.00	1.19	-1.19	-226	-353	0	366	0.00	5.39
15	-286	-62	17	286	0.00	2.60	-2.60	-288	-291	0	377	0.00	6.03
16	-324	-186	0	324	0.00	3.00	-3.00	-309	-218	0	381	0.00	5.34
17	-265	-179	0	265	0.00	2.53	-2.53	-339	-269	0	-428	0.00	6.33
18	-347	-128	86	347	0.00	2.08	-2.08	-302	-153	0	-345	0.00	5.06
19	11	-139	11	234	0.00	2.45	-2.45	-438	-262	0	466	0.00	6.75
20	-117	-146	67	172	0.00	1.30	-1.30	-414	-384	0	466	0.00	7.65
21	-117	-29	87	124	0.00	0.57	-0.57	-362	-237	0	435	0.00	6.52
22	-85	-114	0	114	0.00	0.44	-0.44	-364	-343	0	460	0.00	7.54
23	-98	-40	89	98	0.00	0.08	-0.08	-331	-278	0	373	0.00	6.74
24	-87	-32	112	87	0.19	0.00	0.19	-357	-206	0	559	0.00	6.98
25	-60	-53	69	60	0.00	0.06	-0.06	-351	-185	0	378	0.00	5.61
26	-60	-53	69	60	0.00	0.06	-0.06	-388	-137	0	436	0.00	6.39
27	-105	-75	74	105	0.00	0.65	-0.65	-326	-336	0	445	0.00	7.46
28	-90	-85	51	90	0.00	0.42	-0.42	-320	-320	0	376	0.00	5.86
29	-98	-82	67	98	0.00	0.31	-0.31	-355	-227	0	446	0.00	6.77
30	56	-84	206	93	1.42	0.00	1.42	-275	-276	0	350	0.00	5.68
31	28	119	187	28	2.49	0.00	2.49	-267	-277	0	447	0.00	6.60
Maximum	73	119	255	347	2.49	3.00	2.49	-217	-105	87	559	0.00	7.95
Minimum	-347	-186	0	28	0.00	0.00	-3.00	-440	-384	0	-428	0.00	3.81
Average	-119	-43	101	145	0.50	0.63	-0.13	-321	-245	3	347	0.00	5.99
Month Total					15.36	19.44	-4.08					0.00	185.55

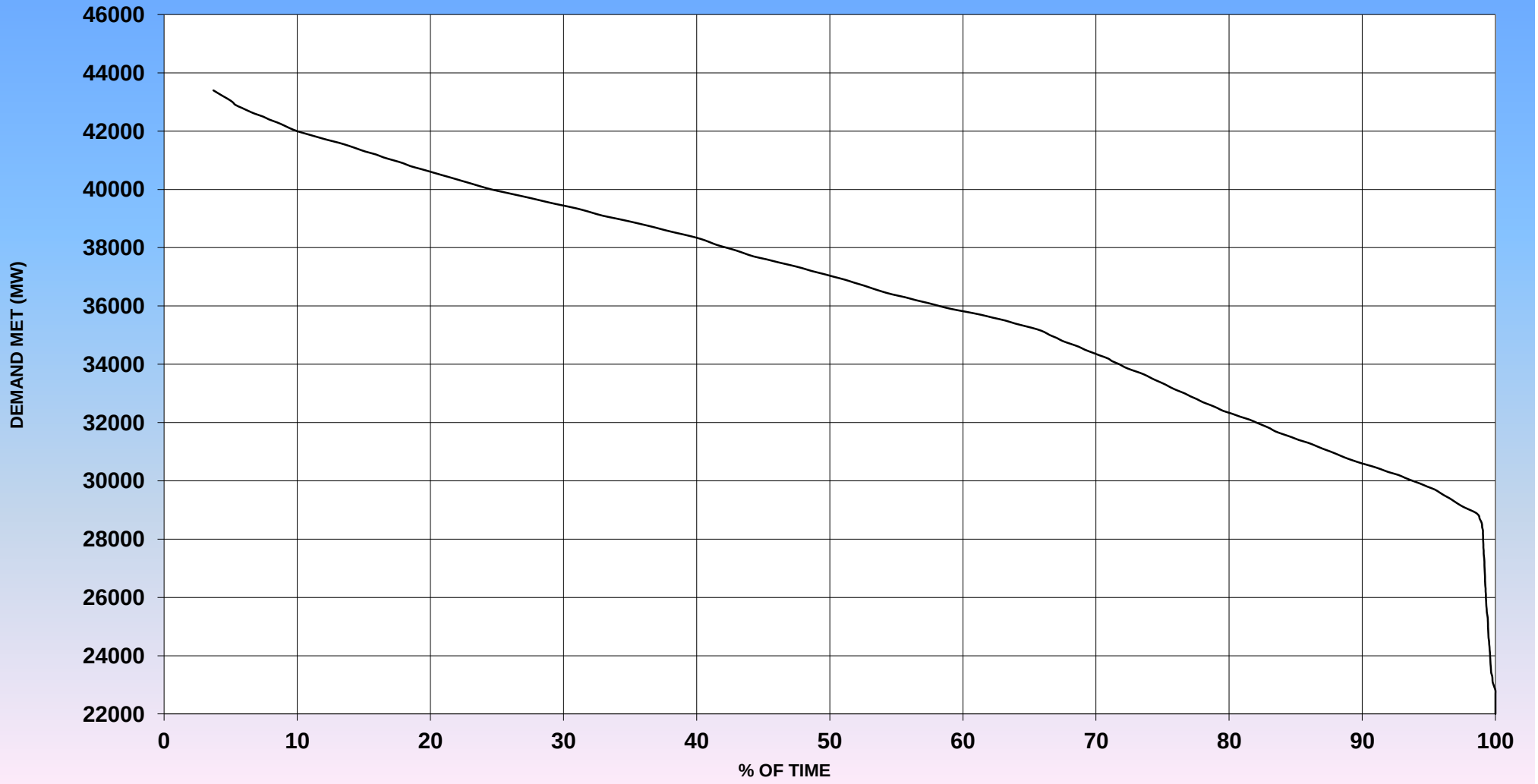
Summary Of Inter Regional Exchanges For March, 2018

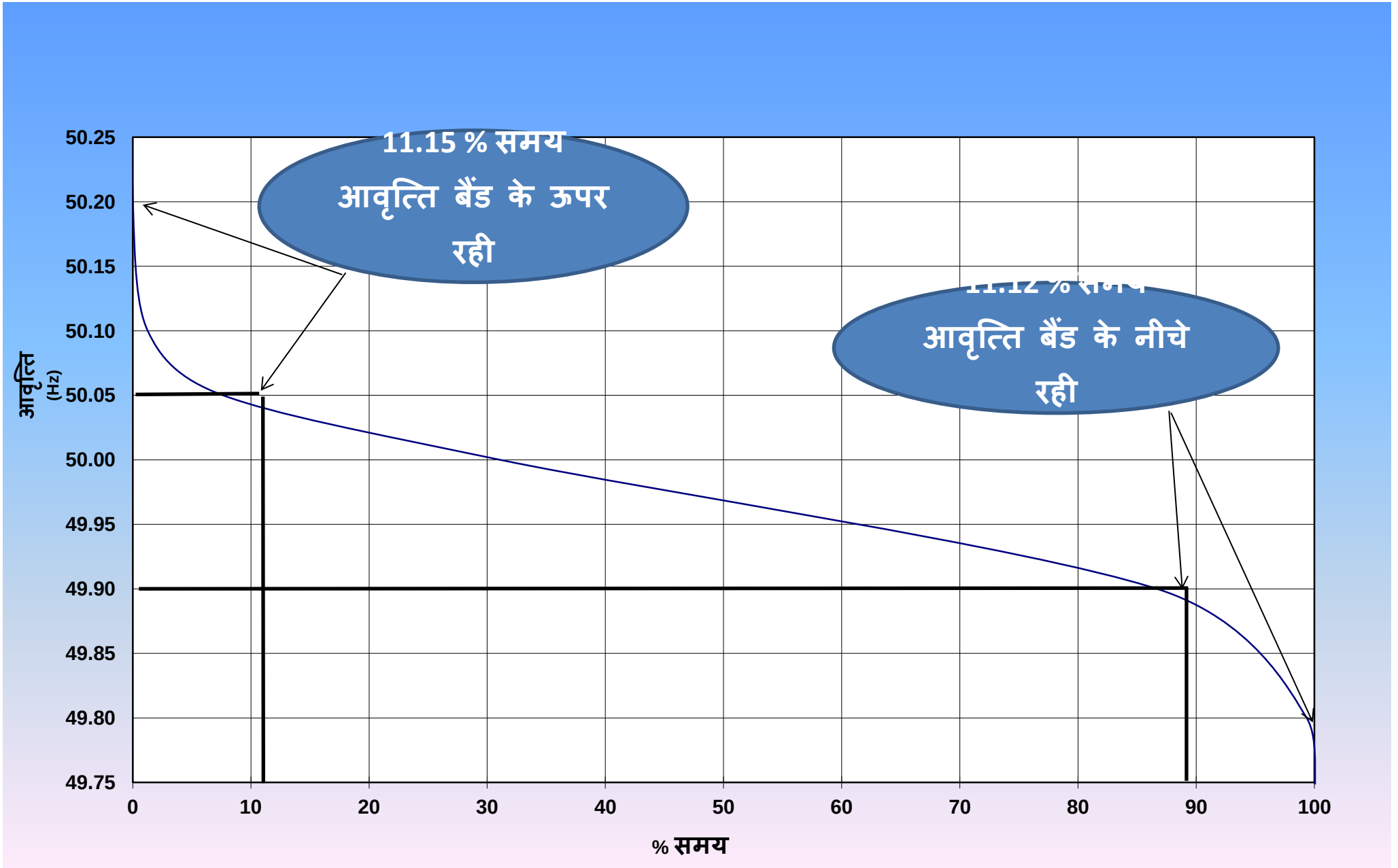
Date	400 kV PUSAULI BALIA							765 kv Mundra Mohindergarh					
	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export
	MW	MW	MW	MW	MU	MU	MU	MW	MW	MW	MW	MU	MU
01	161	219	316	0	5.65	0.00	5.65	603	598	605	0	14.46	0.00
02	86	150	281	0	4.20	0.00	4.20	402	402	503	0	9.90	0.00
03	58	94	299	0	4.26	0.00	4.26	600	399	604	0	11.14	0.00
04	80	147	300	0	3.99	0.00	3.99	597	601	603	0	14.10	0.00
05	52	136	292	0	4.14	0.00	4.14	601	602	703	0	14.39	0.00
06	28	213	261	0	3.95	0.00	3.95	398	702	704	0	15.63	0.00
07	86	197	372	0	5.61	0.00	5.61	402	502	505	0	11.44	0.00
08	120	314	361	0	6.58	0.00	6.58	400	401	403	0	9.78	0.00
09	94	278	354	0	3.32	0.00	3.32	401	400	603	0	11.12	0.00
10	182	278	379	0	6.43	0.00	6.43	400	404	404	0	9.35	0.00
11	161	259	352	0	6.20	0.00	6.20	301	301	304	0	7.37	0.00
12	148	303	395	0	6.77	0.00	6.77	298	301	304	0	7.36	0.00
13	168	225	374	0	6.30	0.00	6.30	302	298	312	0	7.36	0.00
14	183	275	368	0	6.43	0.00	6.43	298	301	304	0	7.36	0.00
15	183	280	425	0	6.64	0.00	6.64	298	301	306	0	7.37	0.00
16	331	332	0	348	7.10	0.00	7.10	299	301	305	0	7.36	0.00
17	148	325	0	346	6.96	0.00	6.96	300	300	300	0	7.36	0.00
18	79	215	0	0	5.54	0.00	5.54	301	301	305	0	7.36	0.00
19	168	273	343	0	6.08	0.00	6.08	302	297	305	0	7.36	0.00
20	173	267	364	0	6.27	0.00	6.27	302	298	305	0	7.36	0.00
21	127	243	336	0	5.88	0.00	5.88	301	297	304	0	7.37	0.00
22	182	231	386	0	6.25	0.00	6.25	298	298	304	0	7.36	0.00
23	208	261	372	0	6.75	0.00	6.75	298	301	303	0	7.36	0.00
24	168	280	331	0	6.51	0.00	6.51	301	298	304	0	7.37	0.00
25	237	253	0	237	7.69	0.00	7.69	301	298	503	0	7.68	0.00
26	237	253	0	237	7.69	0.00	7.69	298	297	304	0	7.37	0.00
27	238	299	369	0	5.13	0.00	5.13	301	301	304	0	7.37	0.00
28	178	305	381	0	7.36	0.00	7.36	301	298	303	0	7.37	0.00
29	208	334	373	0	7.58	0.00	7.58	301	298	304	0	7.40	0.00
30	105	256	450	0	7.38	0.00	7.38	302	298	305	0	7.34	0.00
31	296	372	461	0	9.05	0.00	9.05	301	300	304	0	7.37	0.00
Maximum	331	372	461	348	9.05	0.00	9.05	603	702	704	0	15.63	0.00
Minimum	28	94	0	0	3.32	0.00	3.32	298	297	300	0	7.34	0.00
Average	157	254	300	38	6.12	0.00	6.12	358	364	394	0	8.91	0.00
Month Total					189.70	0.00	189.70					276.30	0.00

Summary Of Inter Regional Exchanges For March, 2018

Date	765 KV GAYA FATEHPUR							400 KV RIHAND VINDYACHAL					
	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export	Total	Peak MW	Off Peak MW	Max Import	Max Export	Energy Import	Energy Export
	MW	MW	MW	MW	MU	MU	MU	MW	MW	MW	MW	MU	MU
01	101	231	388	0	6.04	0.00	6.04	-964	-966	0	968	0.00	22.96
02	33	114	267	0	3.37	0.00	3.37	-952	-947	0	964	0.00	20.32
03	12	79	338	12	3.79	0.00	3.79	952	724	0	489	0.00	20.82
04	-9	90	289	9	3.37	0.00	3.37	942	939	0	976	0.00	22.59
05	40	104	354	0	4.26	0.00	4.26	-954	-951	0	968	0.00	22.76
06	51	204	310	102	4.11	0.00	4.11	-956	-952	0	976	0.00	23.05
07	136	156	414	0	5.33	0.00	5.33	-950	-960	0	974	0.00	23.05
08	103	289	427	0	6.62	0.00	6.62	-966	-967	0	967	0.00	23.05
09	96	264	404	0	6.53	0.00	6.53	904	966	971	0	0.00	22.96
10	187	315	398	0	6.94	0.00	6.94	963	957	0	485	0.00	22.94
11	85	302	370	0	6.19	0.00	6.19	931	960	0	931	0.00	22.96
12	72	293	395	0	6.45	0.00	6.45	958	949	0	966	0.00	23.00
13	36	195	365	0	5.70	0.00	5.70	-956	-942	0	977	0.00	22.95
14	68	189	385	0	5.59	0.00	5.59	-956	-942	0	977	0.00	22.92
15	-83	170	329	83	3.87	0.00	3.87	956	942	0	977	0.00	22.99
16	24	137	263	24	3.54	0.00	3.54	-955	-947	0	968	0.00	22.85
17	3	138	305	3	4.14	0.00	4.14	962	958	0	969	0.00	22.79
18	8	137	332	58	4.06	0.00	4.06	953	896	0	23	0.00	22.53
19	69	133	278	69	3.65	0.00	3.65	940	948	0	23	0.00	22.64
20	18	144	279	0	3.64	0.00	3.64	976	951	0	976	0.00	22.40
21	63	103	218	77	1.95	0.00	1.95	-936	-943	0	956	0.00	22.69
22	4	79	263	0	3.19	0.00	3.19	-936	-943	0	956	0.00	22.86
23	24	123	255	0	3.97	0.00	3.97	-962	-914	0	966	0.00	22.70
24	11	142	268	0	3.93	0.00	3.93	-954	-933	0	966	0.00	22.91
25	73	195	-315	0	4.97	0.00	4.97	962	954	0	968	0.00	22.52
26	83	165	349	0	5.77	0.00	5.77	959	964	0	23	0.00	22.82
27	106	149	311	0	4.85	0.00	4.85	968	961	0	979	0.00	22.86
28	99	155	273	0	4.57	0.00	4.57	948	965	0	971	0.00	23.17
29	76	157	304	0	4.96	0.00	4.96	-946	-962	0	967	0.00	22.94
30	210	109	466	0	6.40	0.00	6.40	-946	-962	0	967	0.00	22.70
31	153	322	400	0	7.14	0.00	7.14	-874	-936	0	961	0.00	21.22
Maximum	210	322	466	102	7.14	0.00	7.14	976	966	971	979	0.00	23.17
Minimum	-83	79	-315	0	1.95	0.00	1.95	-966	-967	0	0	0.00	20.32
Average	63	174	312	14	4.80	0.00	4.80	-29	-37	31	814	0.00	22.64
Month Total					148.89	0.00	148.89					0.00	701.92

Load Duration Curve of Northern Region For March 2018




11.15 % समय
आवृत्ति बैंड के ऊपर
रही
आवृत्ति बैंड के नीचे
रही
आवृत्ति
(Hz)
50.25
50.20
50.15
50.10
50.05
50.00
49.95
49.90
49.85
49.80
49.75
0
10
20
30
40
50
60
70
80
90
100
% समय

Voltage Deviation in %age - Mar 2018

400 KV Stations

Day	Rihand	Gorakhpur	Bareilly(PG)	Kanpur	Dadri	Ballabhgarh	Bawana	Bassi	Hissar	Moga	Abdullapur	Nalagarh	Kishenpur	Wagoora	Amritsar	Kashipur	Hamirpur	Rishikesh
1	0.00	0.00	0.00	0.00	22.89	18.05	20.04	0.00	0.00	0.00	10.02	38.25	0.00	0.00	9.81	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	64.33	43.49	58.44	0.17	4.26	6.43	0.00	77.94	16.71	0.00	46.27	0.00	0.00	0.00
3	0.00	0.00	7.95	0.00	52.17	25.08	60.85	0.00	10.42	11.15	85.67	76.73	16.08	0.00	43.65	0.00	0.00	0.37
4	0.00	0.00	0.73	0.00	52.87	28.66	44.84	0.00	1.29	1.53	52.80	41.72	11.01	0.00	31.50	0.00	0.00	0.00
5	0.00	0.00	3.58	0.00	32.79	26.14	31.78	0.00	0.31	0.00	37.67	34.81	0.31	0.00	32.00	0.00	0.00	0.00
6	0.00	0.00	0.07	0.07	30.57	10.04	32.00	0.00	0.28	0.00	40.33	32.89	0.80	0.00	26.15	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	4.48	1.22	11.14	0.00	0.00	0.00	14.86	19.42	0.00	0.00	10.57	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.77	0.14	2.50	0.00	0.00	0.00	16.83	18.43	0.00	0.00	1.29	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.97	0.00	2.75	0.00	0.00	0.00	14.32	31.74	0.00	0.00	12.96	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	5.49	0.00	5.96	0.00	0.00	0.00	5.50	13.77	1.06	0.11	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.94	0.35	0.63	0.00	0.00	0.00	0.31	23.55	0.00	0.00	1.11	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	22.33	0.00	0.00	1.32	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.83	13.90	0.00	0.00	0.73	0.00	0.00	0.00
14	0.00	0.00	0.00	0.14	10.25	1.56	6.83	0.00	0.00	0.00	7.43	23.34	1.77	0.00	3.79	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	6.56	1.18	3.55	0.00	0.00	0.00	25.59	35.78	12.85	0.00	22.14	0.00	7.14	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.69	26.69	0.00	0.00	0.79	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	3.02	0.42	4.15	0.00	0.00	0.00	25.68	33.48	0.00	0.00	16.33	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.07	0.00	1.60	0.00	0.00	0.10	35.19	49.36	0.00	0.00	25.42	0.00	3.90	0.00
19	0.00	0.00	0.00	0.00	0.31	0.00	1.88	0.00	0.00	0.00	21.05	42.31	0.00	0.00	16.53	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	3.96	0.00	6.53	0.00	0.00	0.00	30.81	39.59	3.86	0.00	29.80	0.00	11.28	0.00
21	0.00	0.00	0.00	0.00	18.96	7.36	20.25	0.00	0.52	4.14	46.02	62.14	17.99	0.00	64.21	0.00	19.09	0.00
22	0.00	0.00	0.00	0.58	7.05	0.56	8.13	0.00	0.00	0.25	32.96	50.23	8.86	0.00	34.85	0.00	5.25	0.00
23	0.00	0.00	0.00	0.00	19.00	8.38	21.96	0.00	0.77	15.25	26.20	48.23	17.22	0.00	32.59	0.00	7.20	0.00
24	0.00	0.00	0.00	0.00	7.75	1.04	6.66	0.00	0.00	0.00	22.88	58.43	12.62	0.00	25.83	0.00	2.44	0.00
25	0.00	0.07	0.00	3.66	12.54	15.53	7.10	0.00	0.00	0.66	56.86	84.65	11.53	0.00	44.49	0.00	9.49	0.00
26	0.00	0.00	0.00	0.00	17.61	16.06	16.00	0.00	0.03	6.53	26.12	43.14	19.73	0.00	24.18	0.00	8.13	0.00
27	0.00	0.00	0.00	0.00	5.42	9.03	13.55	0.00	0.83	1.25	25.70	44.63	19.80	0.00	23.06	0.00	17.76	0.00
28	0.00	0.00	0.00	0.00	0.00	8.53	2.90	0.00	0.00	7.69	15.25	34.05	16.68	0.00	18.20	0.00	15.04	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.64	39.17	17.09	0.00	17.20	0.00	63.08	0.00
30	0.00	1.74	0.00	0.00	0.42	4.72	1.25	0.00	0.00	4.84	11.15	56.94	16.92	0.00	31.98	0.00	2.81	0.00
31	0.00	33.87	0.00	0.00	9.20	11.25	3.13	0.00	0.00	2.88	25.22	64.92	22.51	0.00	25.36	0.00	45.53	0.00

Voltage Deviation in %age - Mar 2018
765 KV Stations

Day	Fatehpur	Balia	Moga	Agra	Bhiwani	Unnao	Lucknow	Meerut	Jhatikara	areilly 765 I	Anta	Phagi
1	0.00	0.00	0.31	0.00	2.79	0.00	0.00	9.83	9.64	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	25.85	0.00	0.00	22.79	37.51	0.00	0.00	9.55
3	0.00	0.00	0.00	0.00	20.64	0.00	0.00	25.11	28.78	8.48	0.00	0.00
4	0.00	0.00	0.00	0.00	11.98	0.00	0.00	17.05	19.21	1.40	0.00	0.66
5	0.00	0.00	0.14	0.00	28.24	0.00	0.00	29.39	22.73	3.75	0.00	0.63
6	0.00	0.00	0.17	0.00	7.05	0.00	0.00	9.03	8.17	0.31	0.00	0.42
7	0.00	0.00	0.03	0.00	1.60	0.00	0.00	8.75	0.18	0.00	0.00	0.42
8	0.00	0.00	0.00	0.00	2.36	0.00	0.00	6.43	0.00	0.00	0.00	0.00
9	0.00	0.00	6.49	0.00	2.74	0.00	0.00	11.39	0.28	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.35	0.00	0.00	0.00	0.00
11	0.00	0.00	0.31	0.00	0.00	0.00	0.00	12.54	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.40	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.59	0.00	3.02	0.00	0.00	11.11	0.00	0.00	0.00	0.24
15	0.00	0.00	0.00	0.00	0.45	0.00	0.00	8.09	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.83	0.00	0.03	0.00	0.00
17	0.00	0.00	0.10	0.00	0.52	0.00	0.00	7.43	0.00	0.00	0.00	0.00
18	0.00	0.00	0.80	0.00	0.00	0.00	0.00	5.80	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00
20	0.00	0.00	0.07	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00
21	0.00	0.54	0.59	0.00	3.16	0.00	0.00	20.18	0.00	0.00	0.00	0.45
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.32	0.00	0.00	0.00	0.00
23	0.00	0.00	14.73	0.00	3.86	0.00	0.00	22.96	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00
25	0.00	0.00	1.84	0.00	4.10	0.00	0.07	24.04	0.00	0.94	0.00	0.00
26	0.00	0.00	0.10	0.00	3.09	0.00	0.00	5.45	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	2.19	0.00	0.00	4.72	0.04	0.00	0.00	0.00
28	0.00	0.00	7.69	0.00	6.98	0.00	0.00	15.94	0.00	0.00	0.00	0.00
29	0.00	0.00	0.14	0.00	0.00	0.00	0.00	6.98	0.00	0.00	0.00	0.00
30	0.00	0.00	9.89	0.00	0.00	0.00	0.00	14.41	0.00	0.00	0.00	0.00
31	0.00	0.00	3.99	0.00	0.00	0.00	0.39	20.98	0.00	0.00	0.00	0.00

No. of violations(Maximum 8 in a day) -Mar 2018

Date	Punjab	Haryana	Rajasthan	Delhi	UP	Uttarakhan	HP	J & K	Chandigarh
1	0	2	4	4	0	5	5	3	4
2	2	2	2	4	2	5	3	4	4
3	0	2	3	1	0	5	4	3	5
4	0	1	2	2	1	5	5	4	4
5	0	0	3	4	1	4	5	4	4
6	0	0	2	4	1	5	3	2	3
7	0	1	1	2	0	5	5	3	5
8	0	3	5	5	1	2	3	2	4
9	0	4	1	3	0	4	5	3	3
10	2	1	2	3	1	5	5	1	4
11	1	3	2	1	0	7	5	3	2
12	0	1	2	1	1	4	4	2	4
13	0	1	2	5	0	3	3	2	5
14	0	2	0	3	1	1	6	3	5
15	2	4	3	3	0	5	5	5	5
16	7	7	7	7	7	7	7	7	7
17	7	7	7	7	7	7	7	7	7
18	0	2	0	3	0	6	6	3	3
19	0	1	0	4	0	6	4	2	5
20	0	1	2	3	1	5	3	3	5
21	0	3	2	4	1	2	5	4	5
22	1	3	2	4	0	6	3	2	5
23	0	3	1	4	0	6	5	2	5
24	0	2	1	2	0	7	5	4	4
25	0	2	0	7	0	7	2	4	3
26	0	3	1	4	0	6	5	3	5
27	0	3	1	2	0	5	6	4	5
28	0	1	1	3	0	4	5	5	5
29	1	0	4	2	1	2	5	3	4
30	1	1	5	3	0	4	4	2	5
31	0	1	2	5	0	4	2	5	5

Maximum number of continuous blocks without sign change - Mar 2018

Punjab	Haryana	Rajasthan	Delhi	UP	Uttarakhan	HP	J & K	Chandigarh
8	15	34	40	10	44	37	19	22
14	17	15	42	20	47	24	38	22
12	19	21	15	10	64	37	18	25
12	14	16	14	23	27	33	43	23
10	11	27	25	13	28	31	27	22
11	11	27	33	18	49	23	18	22
10	22	19	21	11	52	25	21	40
9	37	44	31	13	20	23	25	30
12	44	17	28	9	28	39	34	24
20	20	19	18	13	47	43	16	35
18	26	20	15	12	85	52	36	22
12	14	19	22	14	60	22	18	36
9	21	19	25	11	31	23	16	41
12	23	12	22	13	13	14	23	41
17	25	23	30	9	31	46	45	38
6	6	11	10	6	11	10	3	11
6	6	11	10	6	11	10	3	11
10	24	9	26	10	68	70	37	23
8	19	11	38	9	76	34	17	38
10	17	14	29	14	59	27	28	37
9	22	16	26	14	21	42	27	41
13	28	27	28	10	76	41	30	38
10	37	14	29	11	68	25	27	38
10	18	23	27	11	68	31	31	35
11	17	10	49	12	96	27	28	23
9	23	13	18	6	68	27	21	40
12	30	15	26	8	65	27	36	39
10	24	24	21	12	26	36	69	40
13	10	24	18	16	20	40	22	36
13	23	43	25	8	32	38	22	38
12	14	16	45	10	56	23	25	40

Important operational issues discussed in OCC meeting in the month of March, 2018

S.No.	Issue	Status / Decision
1	**Cleaning and Replacement of porcelain insulators**	The Minutes of the Meeting of insulator cleaning/ replacement held on 14.11.17 stands issued vide letter of even no dated 29.11.2017. Information as per desired formats (except UPPTCL) stands received from all utilities. UPPTCL was requested to update the information as per the desired formats only. All utilities are requested to submit the insulator replacement targets set for the year 2018-19. All the utilities were also requested to plan insulator replacement work from September onward only & outages with respect to replacement work should not be brought forth in the OCC meeting..
2	**Revised System Protection Scheme (SPS) for 765 kV Agra-Gwalior line**	Based on the recommendations of TCC a separate meeting was convened on 07th November 2017 comprising members from NRLDC, NRPC Sectt and POWERGRID for reviewing the revised logic of the scheme presented by POWERGRID in 140th OCC meeting. POWERGRID was advised to explore for utilising the signals from circuit breaker (CB Open/ CB close) of both the ends for SPS. POWERGRID informed that the circuit breaker (ON/ OFF) signal was being utilized from Agra end in the logic. However, that from Gwalior end was not being utilized as the purpose of the scheme was being served by utilizing the CB signal from one end. POWERGRID representative stated that even if the purpose was being served with the already implemented logic, POWERGRID will implement the logic utilizing the CB signal from both the ends as per the decision of TCC. NRPC had concurred to the deliberations of TCC. Power grid representative stated that the work at Agra end is in progress but for the implementation at Gwalior end the issue needs to be taken up and highlighted with WRPC also. MS NRPC assured that the needful will be done.
3	**SPS for ICTs at 765 kV Unnao sub-station**	In the 146th OCC meeting UPRVUNL updated that Offer has been received from BHEL& it is being processed. The work is expected to be completed by 31.05.2018. The cost of the logic of SPS at Anpara "D" is to be indemnified by UPPTCL.
4	**SPS for Kawai – Kalisindh - Chhabra generation complex**	In the 146th OCC meeting RRVPNL representative updated that the communication scheme is being reviewed on PLCC/Optical fiber in place of earlier GPS scheme as tripping time on GPS scheme was higher. Tender is likely to be floated by 5/2018
5	**Information about variable charges of all the generating units in the Region**	Sub-Committee was informed that the information of variable charges for different generating units is available on the Merit Order Portal. All utilities were requested to ensure that the process of Scheduling was done as per Merit Order Dispatch and in case of variations the same should be informed along with the reasons for the same.SE (O) requested all utilities to ensure that the data is updated on the Portal regularly.CEA representative informed the Sub-Committee that lately data from Uttrakhand is not being updated on daily basis since approximately ten days. Uttrakhand representative intimated that the issue in the software was there which has been resolved.
6	**System Study for Capacitor Requirement in NR for the year 2019-20**	In the 38th TCC & 41st NRPC meeting the Committee was informed that the issue of conducting the capacitor requirement study at 11/33 kV level through CPRI for 2018-19 was discussed and approved in the 37th TCC and 40th NRPC meeting. CPRI has submitted their revised offer for the above said study and has quoted consultancy charges of Rs. 55, 00,000/- for the study for 2019-20 in addition to Rs. 10, 00,000/- which they have asked to be paid for the study conducted for the period 2017-18. Committee was informed that NRPC Sectt was negotiating with CPRI so as to get the cost of the study as proposed by CPRI to be reduced. In the 146th OCC meeting SE (O) informed the Sub-Committee that efforts are being made to negotiate the rates with CPRI. Ms NRPC stated that all utilities should initiate the process of collection of data on the formats that will be mailed to all the SLDCs.
7	**Phase nomenclature mismatch issue with BBMB and interconnected stations**	In the 38th TCC & 41st NRPC meeting: NRPC was briefed about the phase nomenclature mismatch at 400 kV BBMB Dehar Power House, 400 kV BBMB Bhiwani substation, 400 kV BBMB Panipat substation with interconnected substations of HPSEB Kangoo, PSTCL Rajpura, PGCIL Panchkula, PGCIL Hisar, PGCIL Bhiwani, NTPC Dadri and expressed concerns regarding the prevailing situations.NRPC agreed to the request of BBMB of forming a committee and advised BBMB to complete the execution within 06 months starting from October 2018. BBMB was informed that the scope of the committee to be formed by NRPC shall be to scrutinize the plan to be submitted by BBMB and to overlook the execution of the work but the committee would not be directly linked with the execution of the work. In the 146th OCC meeting Nominations from NRLDC, BBMB, Punjab, Haryana &Rajasthan stand received. SE(O) requested Power grid and HP to forward nomination at the earliest so that the meeting could be called on priority. BBMB was requested to draft an action plan for rectifying the phase nomenclature mismatch so that the same can be discussed and deliberated in the meeting
8	**Planning, procurement and deployment of Emergency Restoration System.**	The latest status is as under: DTL :- Order had been placed for 02 nos. of ERS. Delivery has been completed.Training imparted in September 2017. PSTCL: - Order has been placed. UPPTCL: - 02 nos. of ERS have been received. RRVPNL: - Will not be procuring ERS. HVPNL: - Earlier it was informed that in place of ERS, spare towers would be procured worth Rs Two crore. In 138th OCC it was informed that the management is reviewing the issue of procurement of ERS.In 141st OCC meeting, HVPNL representative present intimated that it has been decided by HVPNL to procure I SET of ERS.MS NRPC lauded the decision of HVPNL and it was requested that documents/ details in regard of the procurement of ERS be submitted. HVPNL representative intimated in the 142nd OCC meeting thatt the Technical specification is yet to be finalize. PTCUL- NIT placed. Supply expected in 3 month. HPSEBL – Discussions being held with vendor. Suitability of ERS for critical locations is being explored. BBMB - Partner states have agreed to provide the ERS as and when required by BBMB. MS, NRPC observed that Rajasthan a partner state of BBMB has not yet reviewed the decision of procuring ERS. The same needs to be taken by BBMB with Rajasthan . J&K- Order has been placed for 2 nos. ERS. HVPNL representative intimated that the tendering process is in progress.PTCUL representative intimated that no work as on date is on regarding the procurement of ERS. HPSEBL & RRVPNL were requested to update progress if any made for the procurement of ERS. BBMB was also requested to update the status of taking up the issue with RRVPNL.
9	**LVRT issues of wind/solar generation**	As per the CERC order dated 05.01.2016 issued in Petition No. 420/MP/2014 wherein CERC has directed that LVRT should be implemented for all wind turbines (except Stall Types) commissioned before 15.04.2014 having installed capacity equal to or more than 500 KW. Further as per the CEA Technical Standard for connectivity to the Grid (Amend.) Reg.2013 (sub clause (3) of Clause B 2) of the station connected to the grid 06 months after publication of these regulations (i.e.15.04.2014) shall have the LVRT capability as depicted in the sub-clause. It was informed that availability of LVRT was a pre-requisite according to CEA connectivity standards and these wind generators should not have been provided the connectivity in the first place itself. NRPC advised each state to ensure compliance to the CEA connectivity standards and shall not allow in future connectivity to any LVRT noncompliant wind generators. RRVPNL representative submitted the letter from the Ministry of New & Renewable Energy in this regard (Annexure 18) and stated that the action will be taken by Rajasthan as per the decision conveyed in the letter.In the 146th OCC meeting RRVPNL representative updated, that NIWE has been requested to intimate the present status of the same.

Important operational issues discussed in OCC meeting in the month of March, 2018

S.No.	Issue	Status / Decision
10	**Study by POWERGRID for reactive compensation at 220 kV level**	In 39th Meeting of SCPSPNR held on 29th & 30th May 2017 the following was agreed: a) TCR of capacity 500 MVAr at Kurukshetra 400 kV bus. b) Bus Reactors at 30 no. 220 kV sub-stations and 18 no 400 kV level sub-stations subject to the availability of space (Annexure-6 attached with the Agenda of the145th OCC meeting). It was also agreed that these reactors shall be provided by the owner of the substations. In the 146th OCC meeting DTL representative submitted a detailed status .He however stated that the problems are being faced for procurement of 25MVAR reactors. It was proposed by MS NRPC in case the same is not materialized than matter will have to be discussed with Power grid.Uttrakhand representative intimated that the decision for installation and commissioning of Reactors was under finalization & will be intimated shortly. Rajasthan representative stated that installation of 1x25MVAR (at 220KV level) Reactor each at BARMER, Akal & Jodhpur to be funded by PSDF. As per the PSDF requirement, the DPR along with formats are under preparation and same would be furnished / submitted to PSDF in next week positively. However already submitted scheme for 1x25MVAR (at 400kv level) & 13X 25 MVAR (at 220kv level) .Reactor along with STATCOM have some observations by Screening Committee of PSDF. Therefore bifurcation and preparation of DPR for reactor and STATCOM is separately under process& same will be submitted shortly. PSTCL representative updated that the tender for 400KV level reactor stands opened and is under process. As regards 220KV level reactor tender stands floated but response is not there & efforts are being made in this regard. Power grid representative stated that no further progress has been made on the decision taken about the installation of reactors at 400 kV ISTS substations to be done through TBCB
11	**Cyber Security preparedness Monitoring**	In the 37th TCC and 40th NRPC meeting held on 27th and 28th October, Chief Engineer IT, CEA and Chief Information Security Officer, MoP, Sh. Vijay Menghani, gave a detailed presentation on potential cyber threats for power sector, the agencies working on this aspect, recent incidents of cyber attacks on and the action points to prevent the cyber threat. It was stated that in view of increasing incidents of cyber-attacks and threat to the integrated grid operation, all utilities need to monitor action being taken in regard and report the status to respective Computer Emergency Response Teams (CERTs).NHPC submitted the status. All the other utilities were requested to furnish the information in the format as submitted by TATA Power

Commissioning of New Units/Lines/Transformers-Mar 2018

Transmission Lines :

Serial Number	*Transmission Element Name*	*Date of Charging*	*Time of Charging (Hrs)*
1	765kV Orai-Jabalpur-1 along with 3*110 MVAR non-switchable at both ends and associated bays no 713,714,715(OTHER MAIN)(Orai),831,832(JBL)	26.03.2018	14:17
2	765kV Orai-Jabalpur-2 along with 3*110 MVAR non-switchable at both ends and associated bays no 716,717,718(OTHER MAIN)(Orai),834,835(JBL)	26.03.2018	14:17
3	220kV Mainpuri(PG)-Neebkrori-1 with associated bays no 205 at Neebkrori & 210 at Mainpuri(PG)	31.03.2018	16:43
4	400kV Dehradun-Abdullapur-1 along with assciated bays no 410 main & 411 tie (DDN end) and 404 & 405 at (Abdullapur end)	29.03.2018	23:13
5	400kV Dehradun-Abdullapur-2 along with assciated bays no 407 main & 408 tie (DDN end) and 401 & 402 at (Abdullapur end)	30.03.2018	18:58
6	765kV Orai-Aligarh-1 along with 3*80 MVAR non-switchable at both ends and associated bays no 704,705(Orai),803,802(Aligarh)	26.03.2018	14:17
7	765kV Orai-Aligarh-2 along with 3*80 MVAR non-switchable at both ends and associated bays no 701,702(OTHER MAIN)(Orai),806,805(Aligarh)	26.03.2018	19:42
8	400kV Orai(UP)-Orai(PG)-Dc-1 and associated bays no 419(main), 420(tie) at Orai(UP) & 404(main),405(tie) 406(main of other)	26.03.2018	16:29
9	400kV Orai(UP)-Orai(PG)-Dc-2 and associated bays no 422(main), 423(tie) at Orai(UP) & 401(main),402(tie) 403(main of other)	26.03.2018	16:29

LILO :

Serial Number	*Element Name*	*Date of Charging*	*Time of Charging (Hrs)*
1	765kV Kanpur-Aligarh along with 330 MVAR switchable LR (807R) at Aligarh end and 330 MVAR switchable LR (712R) & associated main bay 807 at Kanpur { LILO of 765kV Kanpur-Jatikara at Aligarh}	10.03.2018	17:54
2	765kV Jatikara-Aligarh along with 3*100 MVAR non-switchable Line Reactor at Jhatikara associated main bay 810 at Aligarh { LILO of 765kV Kanpur-Jatikara at Aligarh}	10.03.2018	17:54
3	400kV Amargarh(NRSS XXIX)-Wagoora-2 & main bay no 412 at Amargarh(NRSS XXIX) {LILO of Uri1-Wagoora-DC}	15.03.2018	20:35
4	400kV Amargarh(NRSS XXIX)-Uri1-2 & main bay no 407, tie bay 408 at Amargarh(NRSS XXIX) {LILO of Uri1-Wagoora-DC}	15.03.2018	20:35
5	765kV Agra-Aligarh along with associated main bay 804 at Aligarh & 705(main), 705(tie){ LILO of 765kV Agra-Gr. Noida at Aligarh}	17.03.2018	16:55
6	765kV Gr. Noida-Aligarh along with associated main bay 803 at Aligarh & 703(main), 702(tie){ LILO of 765kV Agra-Gr. Noida at Aligarh}	17.03.2018	16:55
7	400kV Meja-Bara-I & bay no 407 (Meja), 408(Bara){LILO of DC 400kV Bara-Rewa Rd at Meja}	17.03.2018	18:34
8	400kV Meja-Rewa Rd-I & bay no 409 (Meja), 407(Bara){LILO of DC 400kV Bara-Rewa Rd at Meja}	20.03.2018	16:50
9	765kV Orai-Satna along with 240 MVAR non-switchable LR at Orai and 240 MVAR switchable LR at Satna and associated bays 710(M),711(T) at Orai & 712(M),711(T) at Satna { LILO of 765kV Satna-Gwalior at Orai}	29.03.2018	17:24
10	765kV Orai-Gwalior along with 240 MVAR non-switchable LR at Gwalior and associated bays 707(M),708(T) at Orai & 713(M),714(T) at Gwalior { LILO of 765kV Satna-Gwalior at Orai}	29.03.2018	13:32
11	200kV Gorakhpur-Bansi & bay no 201 (Bansi) { LILO of 220kV Gorakhpur-Basti at Bansi}	24.03.2018	23:43
12	200kV Basti-Bansi & bay no 202 (Bansi){ LILO of 220kV Gorakhpur-Basti at Bansi}	24.03.2018	23:43
13	220kV Saharanpur-Sarsawa bay no 202 (SRE){ LILO of 220kV Saharabpur-Khodri-1 at Sarsawa}	31.03.2018	19:42

ICTs / GTs :

Serial Number	*Element Name*	*Date of Charging*	*Time of Charging (Hrs)*
1	500 MVA ICT-2 at Muradnagar(old) with existing bays { by replacing existing 315 MVA ICT-2}	01.03.2018	16:32
2	500 MVA ICT-3 & associated bays no 412, 206 at Sikar(PG)	28..03.2018	
3	3*333 1000 MVA ICT-1 along with associated bays no 703,702 & 401,402 at Orai(PG)	17.03.2018	22:55
4	315 MVA ICT-3 at Babai(RRVPNL) and associated bays 404B(main) & 210	30.03.2018	20:28

Bus Reactor:

Serial Number	*Element Name*	*Date of Charging*	*Time of Charging (Hrs)*
1	3*110 MVAR Bus Reactor-1 and associated bays no 809 (main) & 808(tie) at Aligarh(PG)	17.03.2018	15:21
2	3*110 MVAR Bus Reactor-2 and associated bays no 812 (main) & 811(tie) at Aligarh	10.03.2018	18:37
3	3*110 MVAR BR-1 along with associated bays no 712,711 at Orai	25.03.2018	22:43
4	125 MVAR Bus Reactor at Hindaun bay no 402A & 402T	30.03.2018	16:54

Line Reactor:

Serial Number	*Element Name*	*Date of Charging*	*Time of Charging (Hrs)*
1	3*110 MVAR Line Reactor at Aligarh end of 765kV Kanpur-Aligarh	10.03.2018	15:30
2	3*110 MVAr non-switcable Line Reactor at Orai end of 765kV Orai-Jabalpur-1	25.03.2018	20:09
3	3*110 MVAr non-switcable Line Reactor at Orai end of 765kV Orai-Jabalpur-2	26.03.2018	0:30
4	3*80 MVAr non-switcable Line Reactor at Orai end of 765kV Orai-Aliagrh-1	26.03.2018	14:17
5	3*80 MVAr non-switcable Line Reactor at Orai end of 765kV Orai-Aligarh-2	26.03.2018	19:42

Bays :

Serial Number	*Element Name*	*Date of Charging*	*Time of Charging (Hrs)*
1	220kV bay no 201 of Future line at Sikar	30.03.2018	23:55
2	220kV bay no 213 of Future line at Sikar	30.03.2018	23:59
3	400kV bays 405 (Tie bay of Bara-2), 419 (Tie bay of ICT-1) ,423(Main bay of Allahabad-1) at Meja	19.03.2018,20.03.2018	14:57/11:59
4	400kV Tie bay No 411 at Dehradun of Abdullapur-1 & LR	19.03.2018	14:59
5	220kV Bays No 210 of Mainpuri(PG)-Neebkrori-1 at Mainpuri(PG)	24.03.2018	21:50
6	220kV Bays No 211 of Mainpuri(PG)-Neebkrori-2 at Mainpuri(PG)	24.03.2018	21:23
7	CB No 716 of LR at Jhatikara of Aligarh	26.03.2018 & 27.03.2018	21:09 & 14:19

Generating Units

Serial Number	*Element Name*	*Date of Charging*	*Time of Charging (Hrs)*
1	Singrauli Hydro Unit-1 along with 5 MVA GT & 33kV single dog (8.5km) cable	05.03.2018	00:00 12.02.2018 - 12:00/12.02.
2	Singrauli Hydro Unit-2 along with 5 MVA GT & 33kV single dog (8.5km) cable	05.03.2018	00:00/12.02.2018 - 12:00/12.02.2018
3	110 MW Unit-1 at Kishenganga NHPC	Trial Run on 31.03.2018 to 01.04.2018	21:40/31.03.2018 - 09:40/01.04.2018