



सत्यमेव जयते

Government of India

विद्युत मंत्रालय

Ministry of Power

पूर्वी क्षेत्रीय विद्युत समिति

EASTERN REGIONAL POWER COMMITTEE

मासिक प्रगति रिपोर्ट

PROGRESS REPORT FOR THE MONTH OF

मार्च- 2019

March-2019



14, गोल्फ क्लब रोड, टोलीगंज

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Highlights of Eastern Regional Power System for March-2019

- The **Maximum Net Demand** met of **Eastern Region (ER)** during the month of **Mar, 2019** was **21221 MW** which is 3.18% more than the **Mar, 2018** (20567 MW). Individual **Peak Demand (MW)** of most of constituents **increased** compared to the corresponding period of last year.
- The **Average Net Energy Consumption** per day in ER for the month of **Mar, 2019** was **384.42 MU** excluding export, which is 2.42% less than the corresponding period of last year (393.97 MU).
- **The Average regional PLF of thermal units during the month is 69.13%**, which is 2.48% less than the corresponding period of the last year (**71.61%**).
- WBPDC (Santalidih TPS) registered the highest **PLF** of 101.10%, followed by NTPC(TSTPP) 95.58% WBPDC (Bakreswar TPP) 93.03%, and GRIDCO(TPPS) 92.28% during the month of **Mar, 2019**.
- **Maximum Net generation** of ER was **24327 MW** against total **Effective Capacity of 35578.43 MW** (including import from Bhutan). At the time of Regional peak (21221 MW on 30.03.2019 at 20.00 hrs.) the generation was 23638 MW and import from CPP was 1004 MW, Net export was 3421 MW.
- The system frequency in the IEGC recommended band (49.9 Hz to 50.05 Hz) remained for 71.03% of time during the month. **Average frequency** for the month was **49.99 Hz**. The instantaneous maximum and the minimum frequency touched were 50.30 Hz and 49.64 Hz respectively. The integrated (Fifteen minutes time block average) maximum and minimum frequency were **50.22 Hz** and **49.72 Hz** respectively (**refer Annexure-I**).
- The **Maximum Voltage** recorded **426 KV** at Rourkela 400 KV S/s whereas the minimum voltage recorded 386 KV at Rourkela 400 KV S/s of Power grid.
- **The Maximum Export from ER to outside region was 7990 MW (including Nepal and Bangladesh) on 18th Mar, 2019 at 9:00 hrs. Total net energy export during the month was 2914.28 MU which is corresponds to 20.57 % of ex-bus total generation 14168.85 MU) of Eastern Region.**
- **The import from CPPs was 662.35 MU during the month.**
- **Export(+)/Import(-) during the month:**

Region/Country	Max. Export of Power from ER (MW)	Max. Import of Power by ER (MW)	Net Export of Energy inc. Transmission loss(MU)
NR	4200	0	1848.41
WR	0	3322	-1293.43
SR	3282	0	1956.36
NER	563	1019	-322.26
BANGLADESH	969	0	555.54
NEPAL (via-CTU)	260	0	169.49
Total(Net)	6315		2914.28
NEPAL by Bihar(NBPDCL)			129.67

SALIENT FEATURES

(YEAR TO YEAR COMPARISON)

		Mar-19	MAR-2018	CHANGE	% CHANGE
1) Effective Capacity (end of the Month)					
THERMAL	(MW)	27340	27660	-320	-1.16
HYDRO	(MW)	5876	\$ 5947	-71	-1
DIESEL	(MW)	0	7	-7	0
RES	(MW)	886	10	0	0
TOTAL	(MW)	34102	33624	478	1.42
2) Peak Demand (MW)		21416	21311	104	0.49
3) Peak Demand Met (MW)		21221	20567	654	3.18
4) Shortage (MW)		195	744	-549	-73.85
5) % Shortage		0.91	3.49	-2.58	-73.98
6) Average Energy Requirement Per Day (MU)		385.48	396.42	-10.94	-2.76
7) Average Energy Availability Per Day (MU)		384.42	393.97	-9.55	-2.42
8) Average Shortage Per Day (MU)		1.06	2.45	-1.40	-56.90
9) % Shortage		0.27	0.62	-0.34	-55.67
10) Net Generation for the Month					
Thermal (MU)		13021.78	13652.98	-631.20	-4.62
Hydro (MU)		1061.74	* 840.02	221.72	26.39
RES (MU)		85.33	0.00	0.00	-
Total (MU)		14168.85	14522.68	-353.83	-2.44
11) Generation at the Time of Max. Regional Demand Met (30-03-19 at 20.00 Hrs.)					
Thermal (MW)		19096	17928	1168	6.52
Hydro (MW)		4518	* 3907	611	15.63
RES(MW)		24	0	24	-
Total (MW)		23638	21835	1803	8.26
12) Inter-Regional Energy Transfer					
Export (MU)		4529.97	3310.49	1219.48	36.84
Import (MU)		1615.69	424.98	1190.71	280.18
Net Exp.(+)/Net Imp.(-) (MU)		2914.28	2885.52	28.77	1.00
13) Import From Captive(MU)		662.35	643.21	19.14	2.98
14) Peak Inter Regional Power Transfer					
Max Export (MW) on 18-03-19 at 09.00Hrs		7990	7024	966	13.75
Max Import (MW) on 21-03-19 at 23.00Hrs		3486	2594	892	34.39
Max Net Export(+)/Import (-) (MW)		6315	7082	-767	-10.83
15) Maximum voltage recorded		426	ROURKELA	400 kv	s/s
16) Minimum voltage recorded		386	ROURKELA	400 kv	s/s

\$ Excludes 1566 MW contribution from HEPs of Bhutan

* Includes contribution from HEP of Bhutan (Chukha, Kurichhu & Tala)

Due to de-commissioning of Units

POWER SUPPLY POSITION FOR THE MONTH OF MARCH'2019

A) Net Average Energy Per Day

System	Demand Met (MU/Day)	Requirement (MU/Day)	Shortage (MU/Day)	% Shortage
BSPHCL	75.74	75.95	0.21	0.27
JUVNL	23.11	23.66	0.55	2.33
DVC	63.60	63.70	0.10	0.15
ODISHA	84.35	84.39	0.04	0.05
WBSIEDCL	109.16	109.62	0.46	0.42
CESC	26.56	26.57	0.01	0.05
SIKKIM	1.59	1.59	0.00	0.05
REGION	384.42	385.48	1.06	0.27

B) Peak Demand in MW:

System	Demand Met (MW)	Requirement (MW)	Shortage (MW)	% Shortage
BSPHCL	4489	4496	6	0.14
JUVNL	1248	1250	3	0.20
DVC	2954	2954	0	0.00
ODISHA	4611	4623	12	0.25
WBSIEDCL	6618	6770	153	2.25
CESC	1662	1665	3	0.2
SIKKIM	104	104	0	0.00
REGION	21221	21416	195	0.91

➤ **DIVERSITY FACTOR** **1.02**

➤ **Regional Peak Demand Met on 30-3-2019 at 20.00 hrs. at 49.96 Hz.**

CONSTITUENT-WISE PERFORMANCE DATA MARCH-19

SYSTEM	Gross Generation(MU)				Auxiliary power Consumption(MU)				Net Generation (MU)				Import from Captive (MU)	Exchange Net Import(+) Net Export(-)	Energy Consumption(MU)	Per Day Cons.(MU)	Net Peak Demand Met (MW)	Gross Peak Demand Met (MW)
	HYDRO	Thermal	RES (Hy+Solar)	Total	HYDRO	Thermal	Solar	Total	HYDRO	Thermal	Solar	Total						
BSPHCL	0.00	102.38	55.00	157.38	0.00	11.35	0.00	11.35	0.00	91.03	55.00	146.03	0.00	2201.86	2347.89	75.7	4489	4516
JUVNL	5.95	120.31	0.00	126.26	0.00	15.67	0.00	15.67	5.95	104.64	0.00	110.59	39.77	565.91	716.26	23.1	1248	1269
DVC	3.94	3675.07	0.00	3679.01	0.07	242.12	0.00	242.19	3.87	3432.94	0.00	3436.82	7.00	-1472.15	1971.66	63.6	2954	3333
ODISHA(OPGC+OHPC+TTPS)	492.57	590.06	27.55	1110.18	2.88	61.99	0.00	64.86	489.70	528.07	27.55	1045.32	486.39	1083.05	2614.76	84.3	4611	4703
WBPDC+WBSEDC+DPL	82.41	2230.03	0.48	2312.92	0.00	199.34	0.00	199.34	82.41	2030.69	0.48	2113.58	129.19	1141.11	3383.88	109.2	6618	6959
CESC	0.00	493.26	0.00	493.26	0.00	38.06	0.00	38.06	0.00	455.20	0.00	455.20	0.00	368.13	823.33	26.6	1662	1726
HEL	0.00	351.41	0.00	351.41	0.00	26.88	0.00	26.88	0.00	324.54	0.00	324.54	0.00	-324.54				
SIKKIM	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	48.16	49.16	1.6	104	104
NTPC	0.00	4778.80	0.00	4778.80	0.00	336.01	0.00	336.01	0.00	4442.79	0.00	4442.79	0.00	-4442.79				
MPL	0.00	661.23	0.00	661.23	0.00	37.04	0.00	37.04	0.00	624.19	0.00	624.19	0.00	-624.19				
APNRL	0.00	245.90	0.00	245.90	0.00	21.26	0.00	21.26	0.00	224.64	0.00	224.64	0.00	-224.64				
GMR	0.00	428.86	0.00	428.86	0.00	27.31	0.00	27.31	0.00	401.55	0.00	401.55	0.00	-401.55				
JITPL	0.00	385.44	0.00	385.44	0.00	23.93	0.00	23.93	0.00	361.51	0.00	361.51	0.00	-361.51				
NHPC (Inc TLDP= 43.49 MU)	187.42	0.00	0.00	187.42	0.00	0.00	0.00	0.00	187.42	0.00	0.00	187.42	0.00	-187.42	0.00			
CHPC(Birpara Receipt)	28.45	0.00	0.00	28.45	0.00	0.00	0.00	0.00	28.45	0.00	0.00	28.45	0.00	-28.45	0.00			
KHPS	-10.49	0.00	0.00	-10.49	0.00	0.00	0.00	0.00	-10.49	0.00	0.00	-10.49	0.00	10.49	0.00			
THPS	18.39	0.00	0.00	18.39	0.00	0.00	0.00	0.00	18.39	0.00	0.00	18.39	0.00	-18.39	0.00			
DAGACHU HPS	12.21	0.00	0.00	12.21	0.00	0.00	0.00	0.00	12.21	0.00	0.00	12.21	0.00	-12.21	0.00			
CHUZACHEN HPS	10.87	0.00	0.00	10.87	0.00	0.00	0.00	0.00	10.87	0.00	0.00	10.87	0.00	-10.87	0.00			
JORHANG HPS	7.94	0.00	0.00	7.94	0.00	0.00	0.00	0.00	7.94	0.00	0.00	7.94	0.00	-7.94	0.00			
TEESTA-III HPS	203.55	0.00	0.00	203.55	0.00	0.00	0.00	0.00	203.55	0.00	0.00	203.55	0.00	-203.55	0.00			
DIKCHU HPS	10.33	0.00	0.00	10.33	0.00	0.00	0.00	0.00	10.33	0.00	0.00	10.33	0.00	-10.33	0.00			
TASHDING HPS	11.13	0.00	0.00	11.13	0.00	0.00	0.00	0.00	11.13	0.00	0.00	11.13	0.00	-11.13	0.00			
TALCHER SOLAR	0.00	0.00	1.30	1.30	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	-1.30				
Total Drawal by HVDC Sahsaram,Alipurduar,BRBCL,Indbharat and OPGC														9.97	9.97			
Total	1064.68	14062.74	85.33	15212.75	2.95	1040.96	0.00	1043.90	1061.74	13021.79	85.33	14168.85	662.35	-2914.28	11916.92	384.42	21221	22748

POWER SUPPLY POSITION IN EASTERN REGION DURING THE YEAR AS COMPARED TO PREVIOUS YEAR

A) Net Average Energy

Month	2017-18					2018-19				
	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.
	(MU/Day)	(MU/Day)	(MU/Day)	(%)	(HZ)	(MU/Day)	(MU/Day)	(MU/Day)	(%)	(HZ)
APRIL	394.05	397.91	3.86	0.97	49.98	393.59	396.98	3.39	0.85	49.96
MAY	389.99	394.80	4.81	1.22	49.98	420.52	425.36	4.84	1.14	49.94
JUNE	398.64	401.43	2.79	0.70	49.99	437.39	441.13	3.74	0.85	49.97
JULY	381.05	383.05	2.00	0.52	49.98	425.68	427.31	1.63	0.38	49.97
AUGUST	394.80	396.81	2.01	0.51	49.98	446.36	449.17	2.81	0.63	49.97
SEPTEMBER	418.67	420.99	2.32	0.55	49.97	440.53	448.47	7.94	1.77	49.96
OCTOBER	390.86	393.65	2.79	0.71	49.96	419.33	423.20	3.87	0.91	49.96
NOVEMBER	332.17	336.69	4.53	1.34	49.96	368.99	371.76	2.77	0.75	49.97
DECEMBER	329.55	331.98	2.43	0.73	49.98	340.51	342.17	1.66	0.49	49.96
JANUARY	353.94	356.68	2.74	0.77	49.98	355.14	357.42	2.29	0.64	49.98
FEBRUARY	361.36	364.11	2.75	0.76	49.98	356.66	357.25	0.59	0.17	49.99
MARCH	393.97	396.42	2.45	0.62	49.97	384.42	385.48	1.06	0.27	49.99

B) Peak in MW:

Month	2017-18					2018-19				
	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.
	(MW)	(MW)	(MW)	(%)	(HZ)	(MW)	(MW)	(MW)	(%)	(HZ)
APRIL	19164	19387	224	1.15	49.98	21058	21128	70	0.33	49.96
MAY	19509	19664	155	0.79	49.98	21902	22012	111	0.50	49.94
JUNE	18994	19047	53	0.28	49.99	22080	22964	884	3.85	49.97
JULY	19110	19200	91	0.47	49.98	21790	21849	59	0.27	49.97
AUGUST	19221	19514	293	1.50	49.98	22580	22794	215	0.94	49.97
SEPTEMBER	20283	20670	387	1.87	49.97	22286	22815	529	2.32	49.96
OCTOBER	19882	19966	84	0.42	49.96	22733	23093	360	1.56	49.96
NOVEMBER	18377	18866	489	2.66	49.96	20322	20512	190	0.93	49.97
DECEMBER	17837	18195	358	2.01	49.98	18023	18049	25	0.14	49.96
JANUARY	18238	18508	270	1.48	49.98	18702	18783	81	0.43	49.98
FEBRUARY	18918	19196	278	1.47	49.98	18921	18923	2	0.01	49.99
MARCH	20567	20951	384	1.87	49.97	21221	21416	195	0.91	49.99

PERFORMANCE OF GENERATING STATIONS IN THE EASTERN REGION DURING THE MONTH OF MARCH'2019

ORGANISATION	TYPE	POWER STATION	INSTALLED CAPACITY (in MW)	EFFECTIVE CAPACITY (in MW)	Gross Energy	Net Energy	Cummulative Gross Energy Generation upto Current Month	Cummulative Net Energy Generation upto Current Month
					Generation in MU	Generation in MU	(2018-19) in MU	(2018-19) in MU
BIHAR	Thermal	Barauni (U# 6&7)	220.00	210.00	0.00	0.00	44.86	39.47
		Muzaffarpur Stg-I	220.00	220.00	102.38	91.03	735.77	646.56
		Thermal Total	440.00	430.00	102.38	91.03	780.62	686.03
	RES		327.40	327.40	55.00	55.00	415.74	415.74
	Total BIHAR		767.40	757.40	157.38	146.03	1196.36	1101.77
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	120.31	104.64	1689.05	1473.59
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	5.95	5.95	102.46	102.46
	RES		29.72	29.72	0.00	0.00	0.00	0.00
	Total		159.72	159.72	5.95	5.95	102.46	102.46
DVC	Thermal	Bokaro-B(3)	210.00	210.00	68.38	60.46	688.44	603.56
		Chandrapura (3)	140.00	130.00	0.00	0.00	0.00	0.00
		Chandrapura(U7 # 8)	500.00	500.00	188.84	169.97	3562.60	3234.79
		Durgapur(4)	210.00	210.00	100.32	87.73	981.29	857.20
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	678.49	610.14	7025.15	6303.01
		Mezia(U # 7,8)	1000.00	1000.00	609.81	581.68	5719.15	5428.79
		Bokaro-A(1,2)	500.00	500.00	313.74	296.70	2920.73	2752.75
		Durgapur STPS (U#1,2)	1000.00	1000.00	592.83	563.21	6293.54	5981.56
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	476.40	447.33	3208.40	2989.14
	Koderma STPS (U#1,2)	1000.00	1000.00	646.26	615.73	6278.77	5975.20	
	Total Thermal		7100.00	7090.00	3675.07	3432.94	36678.08	34125.34
	Hydro	Maithon (U#1,2,3)	63.20	63.20	2.53	2.49	101.33	100.89
		Panchet (U#1,2)	80.00	80.00	1.42	1.39	79.77	78.99
		Tilaya (U#1,2)	4.00	4.00	0.00	-0.01	5.30	5.22
		Hydro Total		147.20	147.20	3.94	3.87	186.41
Total DVC		7247.20	7237.20	3679.01	3436.81	36864.48	34310.40	
WEST BENGAL								
WBPDCCL	Thermal	Bandel TPS	380.00	335.00	77.22	67.84	1315.38	1166.80
		Santalidih TPS(U#5&6)	500.00	500.00	376.11	346.69	3552.62	3253.18
		Kolaghat TPS	1260.00	1260.00	287.48	254.18	4422.85	3926.77
		Bakreswar TPP	1050.00	1050.00	726.75	664.93	7182.22	6526.65
		Sagardighi TPP	1600.00	1600.00	609.01	561.06	6050.92	5480.12
		Thermal Total		4790.00	4745.00	2076.56	1894.70	22523.99
WBSIEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	8.46	8.46	197.04	197.04
		Ramam (4x12.73)	51.00	51.00	8.90	8.90	236.94	236.94
		Teesta C.F. (3x3x7.3)	67.30	67.30	0.00	0.00	85.46	85.46
		Purulia PSS (4x225)	900.00	900.00	65.05	65.05	1103.95	1103.95
		Total Hydro		1053.30	1053.30	82.41	82.41	1623.37
RES		277.52	277.52	0.00	0.00	0.00	0.00	
DPL	Thermal	DPSS (110+300+250 *)	660.00	660.00	153.46	135.98	2343.64	2095.90
		RES	5.00	5.00	0.48	0.48	6.03	6.03
		>	Chandrapura #1 is retired on 17.01.17					
		>	Patratu # 1,2,3,5,8 are retired on 21.12.16					

ORGANISATION	TYPE	POWER STATION	INSTALLED CAPACITY (in MW)	EFFECTIVE CAPACITY (in MW)	Gross Energy Generation in MU	Net Energy Generation in MU	Cummulative Gross Energy Generation upto Current Month (2018-19) in MU	Cummulative Net Energy Generation upto Current Month (2018-19) in MU		
CESC	Thermal	Titagarh (4x60)	240.00	240.00	0.00	0.00	0.00	0.00		
		Southern (2x67.5)	135.00	135.00	14.29	12.88	283.78	257.44		
		Budge-Budge (3x250)	750.00	750.00	478.97	442.32	6014.68	5552.51		
		Total CESC	1125.00	1125.00	493.26	455.20	6298.46	5809.95		
HEL	Thermal	HEL	600.00	600.00	351.41	324.53	4614.82	4265.33		
		Total West Bengal	8510.82	8465.82	3157.59	2893.31	37410.32	34154.11		
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	151.19	134.89	1924.50	1715.18		
		Talcher-II	220.00	220.00	164.63	146.88	1680.12	1495.83		
		Total Thermal	470.00	460.00	315.81	281.77	3604.62	3211.01		
OPGC	Thermal	IB TPS	420.00	420.00	274.25	246.31	3085.15	2756.35		
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	14.73	14.57	380.29	377.84		
		Hirakud-II (Chiplima)	72.00	72.00	12.89	12.83	168.31	167.52		
		Balimela (6x60+2x75)	510.00	510.00	121.33	120.71	1734.14	1727.59		
		Rengali (5x50)	250.00	250.00	19.73	19.63	837.87	836.52		
		Upper Kolab (4x80)	320.00	320.00	81.09	80.74	922.09	918.48		
		Indravati HPS (4x150)	600.00	600.00	216.09	214.49	2142.62	2104.83		
		Mckd.(Odisha drawal)	57.38	57.38	26.72	26.72	271.57	271.57		
		Total Hydro	2084.88	2084.88	492.57	489.70	6456.88	6404.35		
		RES	184.30	184.30	27.55	27.55	197.42	197.42		
		Total Odisha	3159.18	3149.18	1110.18	1045.32	13344.07	12569.13		
(**) SIKKIM	Hydro	RES	52.11	52.11	1.00	1.00	26.00	26.00		
NTPC		MTPS Stg-II	390.00	390.00	204.572	182.88	2305.61	2058.45		
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	955.31	887.31	11264.02	10493.32		
		FSTPP (U# 6)	500.00	500.00	298.96	277.70	3582.35	3337.93		
		KhSTPP (4x210+3x500)	2340.00	2340.00	1420.32	1320.24	16486.14	15305.13		
		TSTPP (2x500)	1000.00	1000.00	711.09	657.61	7020.94	6449.85		
		BARH STPS II (2X660)	1320.00	1320.00	780.49	738.90	9845.23	9333.75		
		BRBCL # 1,2(2X250 MW)	500	500	307.74	285.16	2652.86	2460.96		
		BRBCL # 3 (250MW)	250	250	98.52	91.29	141.08	123.40		
		Total NTPC	7900.00	7900.00	4778.80	4442.79	53300.04	49564.50		
		NHPC	HYDRO	Rangit (3x20)	60.00	60.00	14.16	14.16	345.13	345.13
Teesta (3x170)	510.00			510.00	129.77	129.77	2677.83	2677.83		
TLDP -(4x33+4x40)	292.00			292.00	43.49	43.49	1249.69	1249.69		
Total NHPC	862.00			862.00	187.42	187.42	4272.65	4272.65		
MPL (U#1&2)	1050.00			1050.00	661.23	624.19	7267.83	6856.00		
APNRL (U#1,2)	540.00			540.00	245.90	224.64	2875.74	2635.67		
GMR (2x350)	700.00			700.00	428.86	401.55	4523.33	4236.66		
JITPL (2X600)	1200.00			1200.00	385.44	361.51	4213.59	3929.67		
CHUZACHEN** (2x55)	110.00			110.00	10.87	10.87	414.31	414.31		
JOETHANG (2x48)	96.00			96.00	7.94	7.94	407.97	407.97		
TEESTA URJA St III (6x200)	1200.00			1200.00	203.55	203.55	4227.22	4227.22		
Tashilding (2x48.5)	97.00			97.00	11.13	11.13	421.60	421.60		
DICKCHU (2x48)	96.00			96.00	10.33	10.33	460.01	460.01		
TALCHER SOLAR	10.00			10.00	1.30	1.30	13.71	13.71		
Total Thermal (E.R)	27415.00			27340.00	14062.74	13021.78	153800.00	142000.57		
EASTERN REGIONAL				Total Hydro (E.R)	5876.38	5876.38	1016.12	1013.17	18572.88	18519.00
				Total RES	886.05	886.05	85.33	85.33	658.91	658.91
		TOTAL (E.R)	34177.43	34102.43	15164.19	14120.28	173031.78	161178.48		
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	28.45	28.45	1348.07	1348.07		
		Kurichu (4x15)	60.00	60.00	-10.49	-10.49	285.57	285.57		
		TALA (6x170)	1020.00	1020.00	18.39	18.39	2411.73	2411.73		
		DAGACHU (2x63)	126.00	126.00	12.21	12.21	350.49	350.49		
		Grand Total	35743.43	35578.43	15212.75	14168.85	177427.64	165574.33		

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF MARCH' 2019

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY (in MW)	EFFECTIVE CAPACITY (in MW)	Gross Energy Generation in MU	PLF of Current Month (%)	Cummulative Gross Energy Generation upto Current Month (2018-19) in MU	Cummulative PLF upto Current Month (%)
BIHAR	Thermal	Barauni (U# 6&7)	220.00	210.00	0.00	0.00	44.86	2.44
		Muzaffarpur Stg-I	220.00	220.00	102.38	62.55	735.77	38.18
		Thermal Total	440.00	430.00	102.38	32.00	780.62	20.72
	RES		327.40	327.40	55.00		415.74	
	Total BIHAR		767.40	757.40	157.38		1196.36	
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	120.31	38.50	1689.05	45.91
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	5.95		102.46	
		RES		29.72	29.72	0.00		0.00
	Total		159.72	159.72	5.95		102.46	
DVC	Thermal	Bokaro-B(3)	210.00	210.00	68.38	43.77	688.44	37.42
		Chandrapura (3)	140.00	130.00	0.00	0.00	0.00	0.00
		Chandrapura (U7 # 8)	500.00	500.00	188.84	50.76	3562.60	81.34
		Durgapur(4)	210.00	210.00	100.32	64.21	981.29	53.34
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	678.49	68.06	7025.15	59.85
		Mezia(U # 7,8)	1000.00	1000.00	609.81	81.96	5719.15	65.29
		Bokaro-A(1,2)	500.00	500.00	313.74	84.34	2920.73	66.68
		Durgapur STPS (U#1,2)	1000.00	1000.00	592.83	79.68	6293.54	71.84
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	476.40	53.36	3208.40	30.52
	Koderma STPS (U#1,2)	1000.00	1000.00	646.26	86.86	6278.77	71.68	
	Total Thermal		7100.00	7090.00	3675.07	69.67	36678.08	59.05
	Hydro	Maithon (U#1,2,3)	63.20	63.20	2.53		101.33	
		Panchet (U#1,2)	80.00	80.00	1.42		79.77	
Tilaya (U#1,2)		4.00	4.00	0.00		5.30		
Hydro Total		147.20	147.20	3.94		186.41		
Total DVC		7247.20	7237.20	3679.01		36864.48		
WEST BENGAL								
WBPDCCL	Thermal	Bandel TPS	380.00	335.00	77.22	30.98	1315.38	44.82
		Santalidih TPS(U#5&6)	500.00	500.00	376.11	101.10	3552.62	81.11
		Kolaghat TPS	1260.00	1260.00	287.48	30.67	4422.85	40.07
		Bakreswar TPP	1050.00	1050.00	726.75	93.03	7182.22	78.08
		Sagardighi TPP	1600.00	1600.00	609.01	51.16	6050.92	43.17
		Thermal Total		4790.00	4745.00	2076.56	58.82	22523.99
WBSIEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	8.46		197.04	
		Ramam (4x12.73)	51.00	51.00	8.90		236.94	
		Teesta C.F. (3x3x7.3)	67.30	67.30	0.00		85.46	
		Purulia PSS (4x225)	900.00	900.00	65.05		1103.95	
		Total Hydro		1053.30	1053.30	82.41		1623.37
	RES		277.52	277.52	0.00		0.00	
	TLDP -(4x33+4x40)	292.00	292.00	43.49		1249.69		
DPL	Thermal	DPPS (110+300+250 *)	660.00	660.00	153.46	31.25	2343.64	40.54
		RES		5.00	5.00	0.48		6.03

WBPDCCL,Bandel TPS Unit #3 & Unit #4 (IC=2X82.5 MW,EC=2X60 MW) decommissioned from 01.04.2018.

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF MARCH' 2019

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	Gross Energy Generation	PLF of Current Month	Cummulative Gross Energy Generation upto Current Month	Cummulative PLF upto Current Month	
			(in MW)	(in MW)	in MU	(%)	(2018-19) in MU	(%)	
CESC	Thermal	Titagarh (4x60)	240.00	240.00	0.00	0.00	0.00	0.00	
		Southern (2x67.5)	135.00	135.00	14.29	14.23	283.78	24.00	
		Budge-Budge (3x250)	750.00	750.00	478.97	85.84	6014.68	91.55	
		Total CESC	1125.00	1125.00	493.26	58.93	6298.46	63.91	
HEL	Thermal		600.00	600.00	351.41	78.72	4614.82	87.80	
		Total West Bengal	8510.82	8465.82	3157.59		37410.32		
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	151.19	84.67	1924.50	91.54	
		Talcher-II	220.00	220.00	164.63	100.58	1680.12	87.18	
		Total Thermal	470.00	460.00	315.81	92.28	3604.62	89.45	
OPGC	Thermal	IB TPS	420.00	420.00	274.25	87.77	3085.15	83.85	
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	14.73		380.29		
		Hirakud-II (Chiplima)	72.00	72.00	12.89		168.31		
		Balimela (6x60+2x75)	510.00	510.00	121.33		1734.14		
		Rengali (5x50)	250.00	250.00	19.73		837.87		
		Upper Kolab (4x80)	320.00	320.00	81.09		922.09		
		Indravati HPS (4x150)	600.00	600.00	216.09		2142.62		
		Mckd.(Odisha drawal)	57.38	57.38	26.72		271.57		
		Total Hydro	2084.88	2084.88	492.57		6456.88		
		RES	184.30	184.30	27.55		197.42		
		Total Odisha	3159.18	3149.18	1110.18		13344.07		
(**) SIKKIM	Hydro	RES	52.11	52.11	1.00		26.00		
NTPC		MTPS Stg-II	390	390	204.572	70.50	2305.61	67.49	
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	955.31	80.25	11264.02	80.37	
		FSTPP (U# 6)	500.00	500.00	298.96	80.37	3582.35	81.79	
		KhSTPP (4x210+3x500)	2340.00	2340.00	1420.32	81.58	16486.14	80.43	
		TSTPP (2x500)	1000.00	1000.00	711.09	95.58	7020.94	80.15	
		BARH STPS II (2X660)	1320.00	1320.00	780.49	79.47	9845.23	85.14	
		BRBCL # 1,2(2X250 MW)	500.00	500.00	307.74	82.73	2652.86	60.57	
		BRBCL # 3 (250MW)	250.00	250.00	98.52	52.97	141.08	49.95	
Total NTPC	7900.00	7900.00	4778.80	81.27	53300.04	79.23			
NHPC	HYDRO	Rangit (3x20)	60.00	60.00	14.16		345.13		
		Teesta (3x170)	510.00	510.00	129.77		2677.83		
		TLDP -(4x33+4x40)	292.00	292.00	43.49		1249.69		
		Total NHPC	862.00	862.00	187.42		4272.65		
	Thermal	MPL (U#1&2)	1050.00	1050.00	661.23	84.64	7267.83	79.02	
		APNRL (U#1,2)	540.00	540.00	245.90	61.21	2875.74	60.79	
		GMR (2x350)	700.00	700.00	428.86	82.35	4523.33	73.77	
		JITPL (2X600)	1200.00	1200.00	385.44	43.17	4213.59	40.08	
		CHUZACHEN** (2x55)	110.00	110.00	10.87		414.31		
		JORETHANG (2x48)	96.00	96.00	7.94		407.97		
		TEESTA URJA St III (6x200)	1200.00	1200.00	203.55		4227.22		
		Tashilding (2x48.5)	97.00	97.00	11.13		421.60		
		DICKCHU (2x48)	96.00	96.00	10.33		460.01		
		TALCHER SOLAR	10.00	10.00	1.30		13.71		
		Total Thermal (E.R)	27415.00	27340.00	14062.74	69.13	153800.00	64.74	
EASTERN REGIONAL		Total Hydro (E.R)	5876.38	5876.38	1016.12		18572.88		
		Total RES	886.05	886.05	85.33		658.91		
		TOTAL (E.R)	34177.43	34102.43	15164.19		173031.78		
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	28.45		1348.07		
		Kurichu (4x15)	60.00	60.00	-10.49		285.57		
		TALA (6x170)	1020.00	1020.00	18.39		2411.73		
		DAGACHU (2x63)	126.00	126.00	12.21		350.49		
		Grand Total	35743.43	35578.43	15212.75		177427.64		
➤		BRBCL U#3(250 MW)							
		Infirm Generation (MU)		Jan-19	Feb-19	Total	* New Nabinagar TPS infirm generation 1.81 MU during Mar'19		
		Firm Generation (MU)		9.179	30.001	39.18			
		Date of Commercial Operation		Nil	3.383	3.383			
			26.02.2019						

CONTRIBUTIONS OF DIFFERENT CONSTITUENTS AT THE TIME OF REGIONAL PEAK
DURING THE MONTH OF MARCH'2019 (30-3-2019)

Date 30-Mar-19
Time 20.00 Hrs.
Frequency 49.96 Hz.

(All Fig. in MW)

System/State	Installed	Effective	Hydro	Thermal	RES	Total
	Capacity	Capacity				
BSPHCL	767	757	0	175	0	175
JUVNL	580	580	0	143	0	143
DVC	7247	7237	12	4811	0	4823
ODISHA	3159	3149	1225	737	24	1986
WBSEDCL	6121	6076	789	3333	0	4122
TLDP	292	292	187	0	0	187
HEL HALDIA	600	600	0	545	0	545
CESC	1125	1125	0	771	0	771
DPL	665	665	0	0	0	0
SIKKIM	52	52	0	0	0	0
NTPC	7900	7900	0	6419	0	6419
NHPC	570	570	593	0	0	593
CHUKHA	360	270	133	0	0	133
KURICHU	60	60	1	0	0	1
TALA	1020	1020	86	0	0	86
MPL	1050	1050	0	987	0	987
APNRL	540	540	0	381	0	381
Kamal ganga (GMR)	700	700	0	306	0	306
JITPL	1200	1200	0	488	0	488
Chuzachen	110	110	114	0	0	114
Jorethang	96	96	46	0	0	46
TEESTA URJA St III	1200	1200	1211	0	0	1211
Tashilding	97	97	45	0	0	45
DICKCHU	96	96	58	0	0	58
<u>Daghachu</u>	126	126	17	0	0	17
<u>Solar</u>	10	10	0	0	0	0
<u>0</u>	0	0	0	0	0	0
<u>Total</u>	35743	35578	4518	19096	24	23638
Import From Captive:						1004
Export To:						
NER						24
SR						2653
WR						-2359
NR						1899.36
Bangladesh						962.69
Nepal						241.04
Total						3421
➤ I Net Peak Demand Met (MW) :						21221

Indicates Export(+)/Import(-) of Power

Hourly Load Generation Data OF ER On Regional Peak Day During The Month of MARCH'2019 (30-3-2019)

(All Figures in MW)

Hrs.	Generation			Import from Captive	Net		Demand Met	Freq. Correction	Load Shed	Requirement
	Hydro	Thermal	Total		Import From CHPS, KHPS & TALA	Net Export to other region				
1	1066	19050	20116	1036	74	3372	17854	14	193	18061
2	986	18864	19850	1022	85	3244	17713	-14	193	17892
3	954	18797	19751	1033	93	3115	17762	-36	193	17919
4	353	18547	18900	1021	105	2301	17724	-6	242	17960
5	525	18715	19240	1012	97	2541	17809	23	257	18089
6	731	18793	19524	1049	50	2945	17677	6	239	17923
7	976	18771	19746	1022	26	3596	17199	-36	195	17359
8	1072	18441	19513	1003	46	3501	17061	-28	205	17238
9	1297	18234	19531	1007	65	3843	16761	-12	202	16951
10	2129	17917	20046	994	116	4302	16854	35	50	16940
11	2272	18103	20375	985	206	4370	17196	3	122	17321
12	1418	18364	19782	965	194	4008	16933	12	242	17187
13	1370	18283	19653	940	202	3619	17176	-3	721	17894
14	1285	18163	19448	917	212	3468	17109	16	341	17467
15	1292	18601	19893	886	216	3742	17253	50	240	17542
16	1546	18962	20508	889	211	4203	17404	11	152	17567
17	1697	18938	20635	887	206	4517	17211	2	152	17364
18	1402	18690	20092	961	221	3610	17663	-29	152	17786
19	3192	18746	21938	1016	192	2603	20543	-4	172	20711
20	4321	19096	23417	1005	220	3421	21221	30	165	21416
21	3925	18544	22469	1008	227	2710	20993	-31	232	21195
22	3796	18764	22560	1053	229	3276	20565	4	104	20673
23	3616	17873	21489	1020	208	3360	19357	46	39	19442
24	2740	17970	20711	988	196	3255	18640	15	4	18659

Hourly Load Generation Data of ER On Regional Lean Day During The Month of MARCH'2019 (1-3-2019)

(All Figures in MW)

Hrs.	Generation			Import from Captive	Net		Demand Met	Freq. Correction	Load Shed	Requirement
	Hydro	Thermal	Total		Import From CHPS, KHPS & TALA	Net Export to other region				
1	674	13568	14241	1011	87	2286	13054	-11	5	13058
2	625	13275	13900	1023	93	2176	12840	-18	186	13007
3	642	12907	13549	1010	87	1877	12770	3	98	12871
4	512	13103	13616	1012	95	1940	12783	-20	98	12861
5	601	13961	14563	1012	103	2746	12932	-50	100	12983
6	1053	14555	15608	1056	71	3102	13633	5	98	13736
7	1588	15256	16844	1073	6	3771	14152	51	531	14734
8	2147	16519	18666	1053	-21	5181	14518	8	102	14627
9	2152	16737	18890	1078	-24	5256	14688	-8	434	15114
10	1414	16597	18012	1053	-30	4729	14306	3	387	14696
11	982	16468	17450	1056	-13	4248	14246	-17	190	14418
12	754	16655	17410	1018	-24	4459	13945	24	188	14158
13	475	16151	16625	1012	-29	3953	13655	-16	169	13808
14	464	15416	15880	1023	-39	4026	12838	-19	2	12840
15	592	15019	15610	1032	-45	4009	12587	-3	3	12590
16	638	15122	15760	1095	-46	4153	12657	3	75	12735
17	646	15360	16005	1108	-54	3976	13083	15	54	13152
18	1473	15724	17197	1076	-24	3776	14472	14	43	14530
19	3276	16619	19895	1090	-2	3749	17233	59	202	17494
20	2938	17302	20240	1165	-5	4358	17042	-7	189	17224
21	1876	17494	19369	1207	10	3963	16623	-35	97	16685
22	1311	16577	17887	1292	31	3356	15855	-14	247	16088
23	857	15269	16126	1276	26	2924	14504	-3	156	14658
24	773	14010	14783	1285	35	2412	13691	24	156	13871

NOTIFIED POWER CUTS/RESTRICTIONS ON INDUSTRIES & POWER SUPPLY TO AGRICULTURE SECTOR

FOR THE MONTH OF MARCH'2019

POWER CUT / RESTRICTIONS

BSPHCL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 5.23 MU
JUVNL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 16.72 MU
DVC	NO NOTIFIED CUTS/RESTRICTIONS. However there was loadshedding of 2.03 MU
ODISHA	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 0.00 MU
WEST BENGAL	NO NOTIFIED CUTS/RESTRICTIONS. However there was loadshedding of 12.59 MU

POWER SUPPLY TO AGRICULTURAL SECTOR

STATE	HOURS OF SUPPLY (AVERAGE / DAY)
BIHAR	18 HRS.00 MINS.
JHARKHAND	ABOUT 20 to 22 HRS.
ODISHA	24 HRS.
WEST BENGAL	23 HRS.

FREQUENCY DETAILS FOR THE MONTH OF Mar-19

DATE	H O U R S						INST. FREQ.				15 MIN. INTEGRATED							
	00	05	10	17	22	00	<49.9	49.9 TO	>50.05	49.9	MAX	HRS.	MIN	HRS.	MAX	HRS.	MIN	HRS.
	05	10	17	22	24	24		50.1	50.05		HZ		HZ		HZ		HZ	
01-Mar	50.04	49.98	50.00	49.99	49.98	50.00	5.30	66.90	27.80	66.90	50.30	04.34.40	49.72	18.11.10	50.22	0:00	49.84	0:00
02-Mar	49.96	49.96	50.02	50.04	50.00	50.00	10.10	62.40	27.50	62.40	50.21	20.13.40	49.79	03.55.50	50.14	0:00	49.85	0:00
03-Mar	49.96	49.99	49.98	49.98	50.01	49.98	12.30	65.80	21.90	65.80	50.20	04.03.10	49.72	02.12.40	50.10	0:00	49.84	0:00
04-Mar	49.99	49.95	50.01	49.99	49.94	49.98	13.20	64.50	22.20	64.50	50.23	12.00.50	49.75	09.07.20	50.11	0:00	49.85	0:00
05-Mar	49.95	49.96	49.94	49.97	49.97	49.95	22.40	68.10	9.50	68.10	50.20	18.02.30	49.69	16.25.50	50.11	0:00	49.78	0:00
06-Mar	49.98	49.96	49.98	49.97	49.96	49.97	10.40	78.30	11.20	78.30	50.19	13.03.00	49.72	22.08.40	50.07	0:00	49.86	0:00
07-Mar	49.96	49.92	49.95	49.98	49.95	49.95	21.40	69.50	9.10	69.50	50.21	13.01.50	49.73	22.07.00	50.10	0:00	49.80	0:00
08-Mar	49.98	49.94	49.96	49.96	49.96	49.96	14.50	75.30	10.20	75.30	50.20	13:02:50	49.72	06:13:00	50.10	0:00	49.84	0:00
09-Mar	49.98	49.96	49.91	49.93	49.86	49.94	28.60	64.70	6.70	64.70	50.16	13:01:50	49.69	21:07:20	50.04	0:00	49.77	0:00
10-Mar	49.97	49.99	49.97	49.96	49.92	49.97	16.30	68.90	14.80	68.90	50.21	18:03:20	49.64	20:38:50	50.08	0:00	49.78	0:00
11-Mar	49.98	49.95	49.96	49.95	50.00	49.96	14.40	74.90	10.70	74.90	50.19	22:02:00	49.69	14:27:50	50.06	0:00	49.72	0:00
12-Mar	50.00	49.98	49.94	49.98	49.95	49.97	12.60	72.60	14.80	72.60	50.27	13:02:50	49.75	14:16:00	50.07	0:00	49.85	0:00
13-Mar	49.97	49.97	49.97	50.02	49.95	49.98	7.60	76.98	15.42	76.98	50.23	13:00	49.70	5:40	50.09	0:00	49.79	0:00
14-Mar	49.97	49.98	49.98	49.99	49.96	49.98	6.30	80.30	13.10	80.30	50.17	21:58:40	49.80	18:44:10	50.10	0:00	49.90	0:00
15-Mar	50.01	50.01	49.99	50.00	49.99	50.00	2.1	81.00	14.30	81.00	50.21	18:02:00	49.80	20:46:30	50.09	0:00	49.92	0:00
16-Mar	50.02	50.01	50.00	50.01	49.97	50.00	4.50	69.60	25.80	69.60	50.23	13:03:20	49.75	22:18:00	50.11	0:00	49.88	0:00
17-Mar	49.95	50.02	50.01	49.99	49.95	49.99	8.40	69.60	21.80	69.60	50.20	07:03:20	49.82	05:10:20	50.11	0:00	49.85	0:00
18-Mar	49.97	50.02	50.01	50.04	49.99	50.01	4.20	68.00	27.80	68.00	50.24	22:00:30	49.76	05:15:20	50.11	0:00	49.90	0:00
19-Mar	49.97	50.03	50.00	50.03	49.95	50.00	4.35	74.10	21.40	74.10	50.21	18:03:10	49.78	22:09:50	50.14	0:00	49.88	0:00
20-Mar	49.98	50.00	49.99	50.04	49.92	50.00	7.40	74.10	18.50	74.10	50.18	17:36:10	49.77	22:40:50	50.12	0:00	49.84	0:00
21-Mar	50.00	50.05	50.00	50.01	50.02	50.01	5.30	60.10	34.60	60.10	50.21	06:05:10	49.76	18:49:40	50.10	0:00	49.84	0:00
22-Mar	50.05	50.01	49.99	49.98	49.97	50.00	5.60	66.40	28.00	66.40	50.19	06:02:30	49.78	18:39:20	50.07	0:00	49.83	0:00
23-Mar	49.99	50.00	49.98	49.98	49.97	49.99	6.00	79.30	14.70	79.30	50.19	06:02:10	49.78	14:45:40	50.07	0:00	49.85	0:00
24-Mar	50.02	50.02	50.00	50.00	49.96	50.01	2.85	71.45	25.70	71.45	50.24	18:02:50	49.76	21:07:50	50.10	0:00	49.85	0:00
25-Mar	49.97	49.97	49.99	50.01	49.97	49.99	6.4	76.10	17.50	76.10	50.18	13:01:40	49.78	05:43:00	50.09	0:00	49.88	0:00
26-Mar	50.01	50.00	50.01	50.01	50.04	50.01	6.00	65.80	28.20	65.80	50.23	13:03:20	49.74	18:51:50	50.13	0:00	49.80	0:00
27-Mar	50.00	50.02	50.01	49.97	49.89	49.99	7.50	72.20	20.30	72.20	50.21	06:03:40	49.71	22:31:20	50.08	0:00	49.80	0:00
28-Mar	49.98	49.99	49.96	49.94	49.90	49.96	16.50	73.00	10.50	73.00	50.15	07:03:30	49.68	22:08:40	50.11	0:00	49.78	0:00
29-Mar	49.98	49.98	49.99	50.02	49.99	49.99	3.70	79.20	17.10	79.20	50.18	21:48:40	49.78	04:18:00	50.13	0:00	49.89	0:00
30-Mar	50.01	50.01	49.98	50.01	49.96	50.00	6.30	72.00	21.70	72.00	50.28	18:02:50	49.80	14:21:20	50.11	0:00	49.88	0:00
31-Mar	49.99	50.02	50.03	50.02	50.00	50.01	0.10	62.20	37.60	62.20	50.24	18:01:40	49.88	05:13:10	50.17	0:00	49.96	0:00
MAX	50.05	50.05	50.03	50.04	50.04	50.01	28.60	81.00	37.60	81.00	50.30		49.88	50.22		49.96		
MIN	49.95	49.92	49.91	49.93	49.86	49.94	0.10	60.10	6.70	60.10	50.15		49.64	50.04		49.72		
AVG	49.99	49.99	49.98	49.99	49.96	49.99	9.70	71.03	19.27	71.03	50.21		49.75	50.11		49.84		

SUMMARY:

Avg. Frequency : **49.99 Hz.**

Instantaneous Frequency :

Maximum Frequency : 50.30 Hz at 04.34.40 Hrs.

Minimum Frequency : 49.64 Hz at 20:38 Hrs.

15 Minutes Integrated Frequency :

Maximum Frequency : 50.22 Hz On 00/01/00 at 00:00 Hrs.

Minimum Frequency : 49.72 Hz On 00/01/00 at 00:00 Hrs

Frequency Distribution in % of Time			
Hz	<49.9	49.9-50.05	>50.05
% of Time	9.70	71.03	19.27

VOLTAGE ANALYSIS

MAXIMUM & MINIMUM VOLTAGES RECORDED AT IMPORTANT 400 kV S/S IN THE MONTH OF MARCH'2019

(All figs. in kV)

PGCIL	BINAGURI		MAITHON		JEERAT		BIHARSHARIFF	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	409	400	417	396	416	393	423	390

PGCIL	MUZAFFARPUR		JAMSHEDPUR		ROURKELA		JEYPORE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	422	398	415	399	426	386	409	392

DETAILS OF CONSTITUENT WISE LOAD SHEDDING IMPLEMENTED THROUGH UFRs IN THE EASTERN REGION

Expected Load Relief through UFRs by ER Constituent:

(All Fig. are in MW)

STATES/ UTILITIES	STAGE-I (49.2 Hz) (Inst.)	STAGE-II (49.0 Hz) (Inst.)	STAGE-III (48.8 Hz) (Inst.)	STAGE-IV 48.6 Hz (Inst.)	Total Load Relief by Control Area
BIHAR	98	99	99	101	397
JHARKHAND	61	62	61	62	246
DVC	134	135.5	136	137	542.5
ODISHA	181.5	183.5	184	186	735
WEST BENGAL (incl. CESC)	345.5	350	350	354	1399.5
TOTAL	820	830	830	840	3320

As decided in the National Power Committee (NPC) meeting held on 16.07.2013 and subsequently in the 89th OCC meeting of ERPC to implement the scheme w.e.f. 30.09.2013.

A.

**WATER LEVEL OF MAJOR HYDEL RESERVOIRS OF THE REGION IN
Mar-19**

(All figs.in mtrs.)

Name of the Reservoirs	FRL	MDDL	As on last day of the		As on first day of this month & date	
			(31-03-19)	(31-03-18)		
Hirakud	192	180	187.99	187.96	188.98	01.03.19
Balimela	462	439	453.48	443.94	456.59	01.03.19
Rengali	123	109	115.45	119.69	116.34	01.03.19
Upperkolab	858	844	851.38	850.74	853.03	01.03.19
Indravati	642	625	634.45	632.65	636.66	01.03.19
Subernrekha	590	580	585.28	584.27	585.86	01.03.19

B.

CPP/IPP IMPORT by Eastern Region Constituents during Mar-19

(All figs. are in MU)

System	Tata Power	Crescent Power	JSPL, Angul	Sterlite	Jindal	NALCO	TISCO	Others	Total
JUVNL	0	0	0	0	0	0	0	0	39.77
West Bengal	67.43	26.30	0	0	0	0	0	35.47	129.19
ODISHA	0	0	36.37	155.60	6.59	0.05	0	287.78	486.40
DVC	0	0	0	0	0	0	7.00	0	7.00
TOTAL	67.43	26.30	36.37	155.60	6.59	0.05	7.00	323.25	662.35

C.

Distribution of Schedule Supply among Key Customers by IPPs during Mar-19

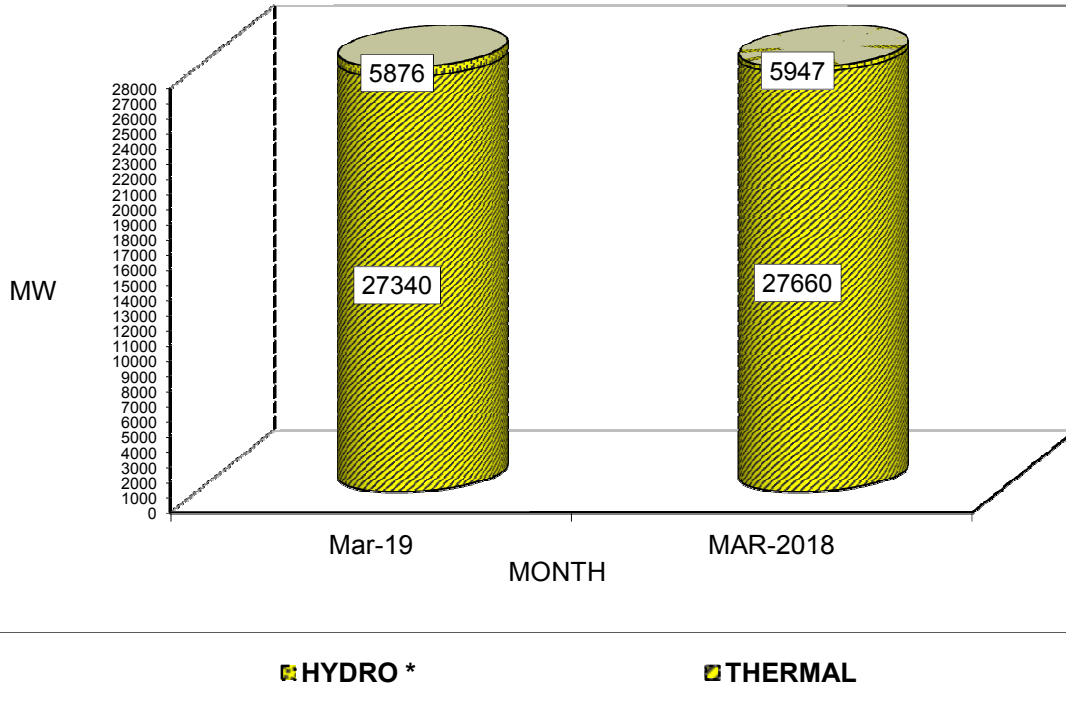
(All figs. are in MU)

IPP	TPDDL	WBSEDCL/ WBPDCCL	DVC	Sale at IEX/NPCL	ODISHA	JSEB	CTU/Others	Total (Excl. Tr. Loss)
MPL	186.46	145.64	80.22	0.00	0	0	210.22	622.54
Sterlite	0	0	0	0	0.00	0	0.00	0.00
APNRL	0	37.20	0	0.00	0.00	95.05	50.75	182.998
Total	186.46	182.84	80.22	0.00	0.00	95.05	260.97	805.54

Task/ Works performed by ERPC during MARCH, 2019		
Sl. No.	Period	Date of Report
1	REA February 2019	05.03.2019
2	DC-MPL-February 2019	05.03.2019
3	RTA February-19	06.03.2019
4	DC- Teesta III – February 2019	06.03.2019
5	Bilateral REA for February -2020	06.03.2019
6	Deviation Account, RRAS & FRAS Account 180219-240219	08/03/2019
7	REA Bhutan February-19	08.03.2019
8	AS-3 Format 16.03.19-15.04.19	15.03.2019
9	VAR Account 180219-240219	18.03.2019
10	VAR Account 250219-030319	18.03.2019
11	Deviation Account, RRAS & FRAS Account 250219-030319	18/03/2019
12	Deviation Account, RRAS & FRAS Account 040319-100319	20/03/2019
13	VAR Account 040319-100319	20.03.2019
14	Bilateral REA for February,19_Rev-I	26.03.2019
15	Deviation Account, RRAS & FRAS Account 110319-170319	28/03/2019
16	VAR Account 110319-170319	28.03.2019
17	Progress Report- February 2019	29/03/2019
18	Transmission System Availability Certificate for CBPTCL Transmission Elements for Jan-19	18.03.2019
19	Transmission System Availability Certificate for Powerlinks Transmission Elements for Jan-19	22.03.2019
20	Transmission System Availability Certificate for TPTL Transmission Elements for Jan-19	18.03.2019
21	Transmission System Availability Certificate for PKTCL Transmission Elements for Jan-19	18.03.2019
22	Transmission System Availability Certificate for OPGCL Transmission Elements for January-19	18.03.2019
23	Transmission System Availability Certificate for DMTCL Transmission Elements for Jan-19	22.03.2019
24	Provisional Power Supply Position for Feb-2019	06.03.2019
25	Revised Power Supply Position for Feb-2019	25.03.2019
26	Progress Report February-2019	29.03.2019

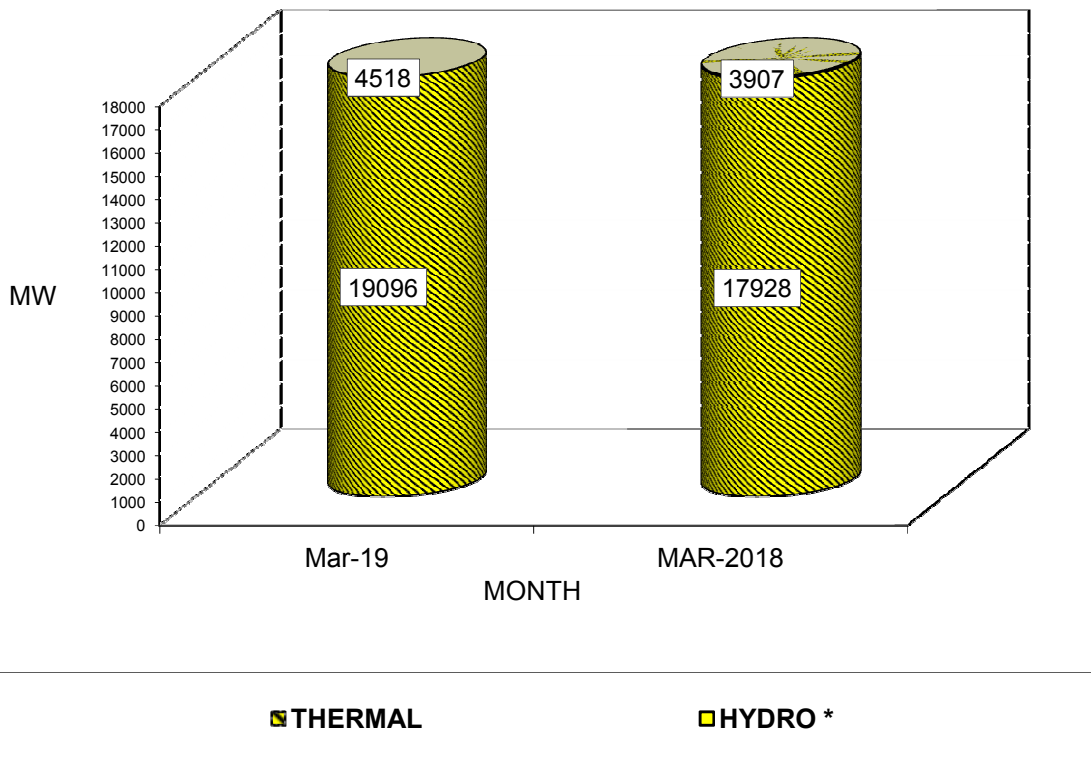
List of Meetings / Workshops held during MARCH, 2019			
Sl. No.	Description	Date	Venue
1	Meeting on Power support at Manique GSS from DVC and at Kendposi GSS from OPTCL	01.03.2019	ERPC, Kolkata
2	Meeting on the methodology of segregation of Actual Generation of NTPC Kahalgaon Stage – I & II	04.03.2019	ERPC, Kolkata
3	ISO Meeting	04.03.2019	ERPC, Kolkata
4	SCADA Meeting	06.03.2019	ERLDC, Kolkata
5	Meeting on Budget Issues	07.03.2019	ERPC, Kolkata
6	Meeting on SPS at Rangpo	08.03.2019	ERPC, Kolkata
7	Mtg. on COD of Unit#3 of Nabinagar TPP of BRBCL	11.03.2019	ERPC, Kolkata
8	40th TCC Meeting	15.03.2019	Hotel The Ummed, Jodhpur
9	40th ERPC Meeting	16.03.2019	Hotel The Ummed, Jodhpur
10	Meeting on OCC Shut down (Through VC)	20.03.2019	ERPC, Kolkata
11	155th OCC Meeting	25.03.2019	Hotel Pride Plaza, Kolkata
12	77th PCC Meeting	26.03.2019	Powergrid ER- II, Kolkata
13	Hindi Meeting	28.03.2019	ERPC, Kolkata

EFFECTIVE CAPACITY OF EASTERN REGIONAL GRID



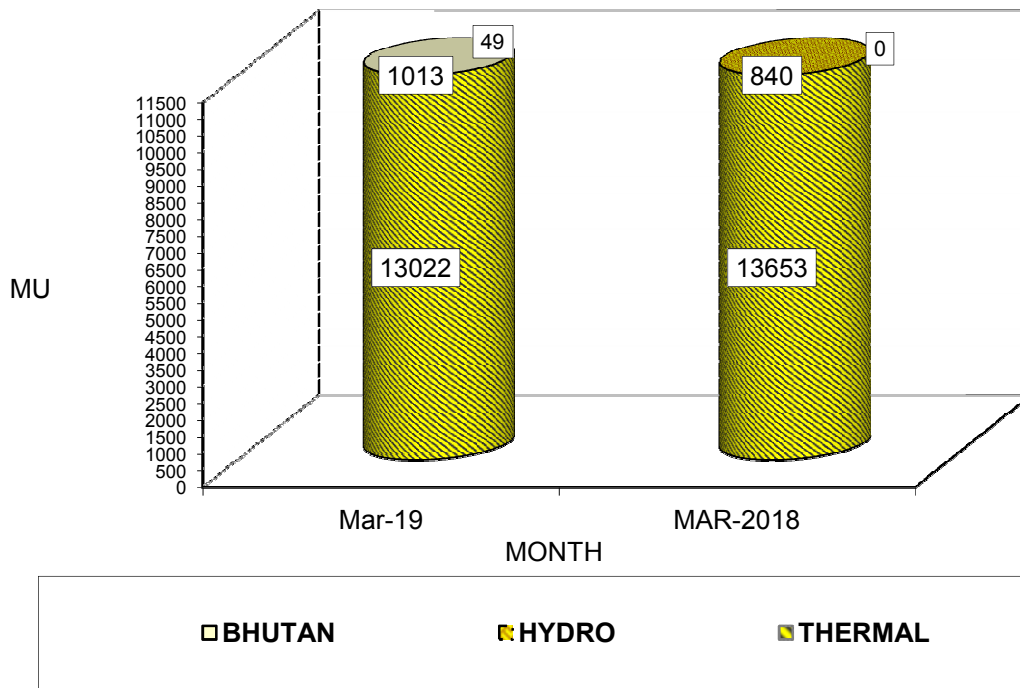
*Excludes 1350 MW contribution from HEPs of Bhutan

GENERATION CORRESPONDING TO PEAK DEMAND MET

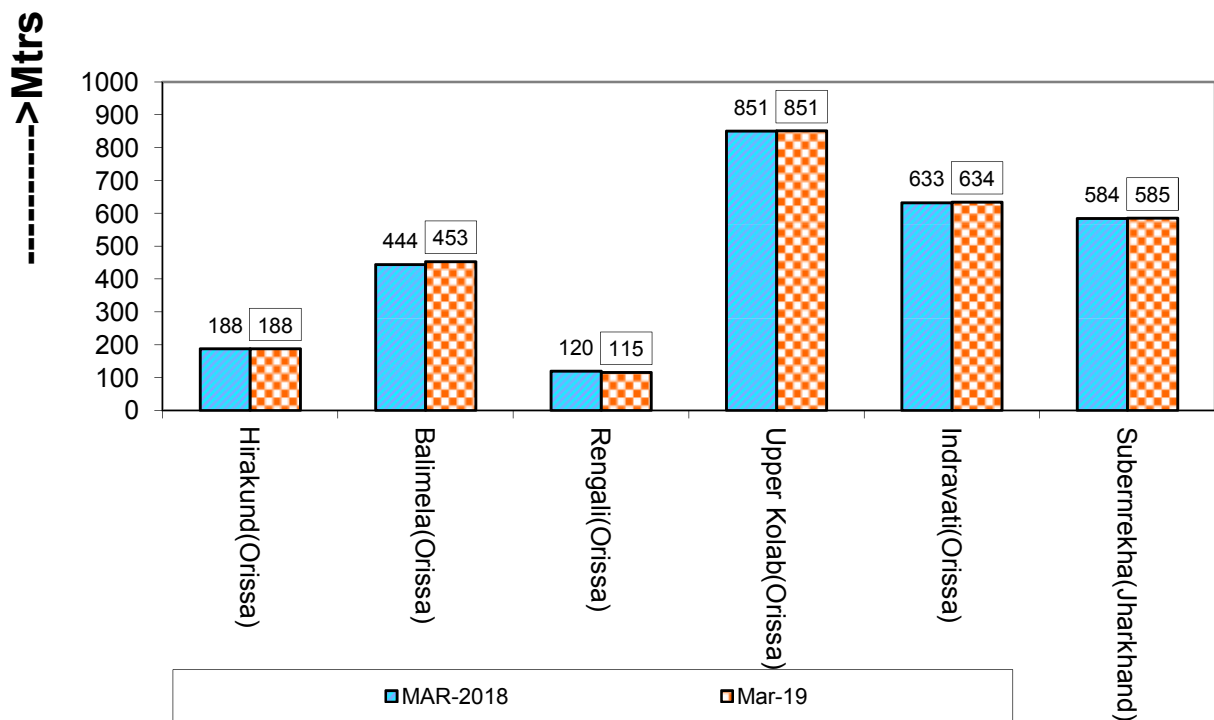


*Includes contribution from HEP of Bhutan

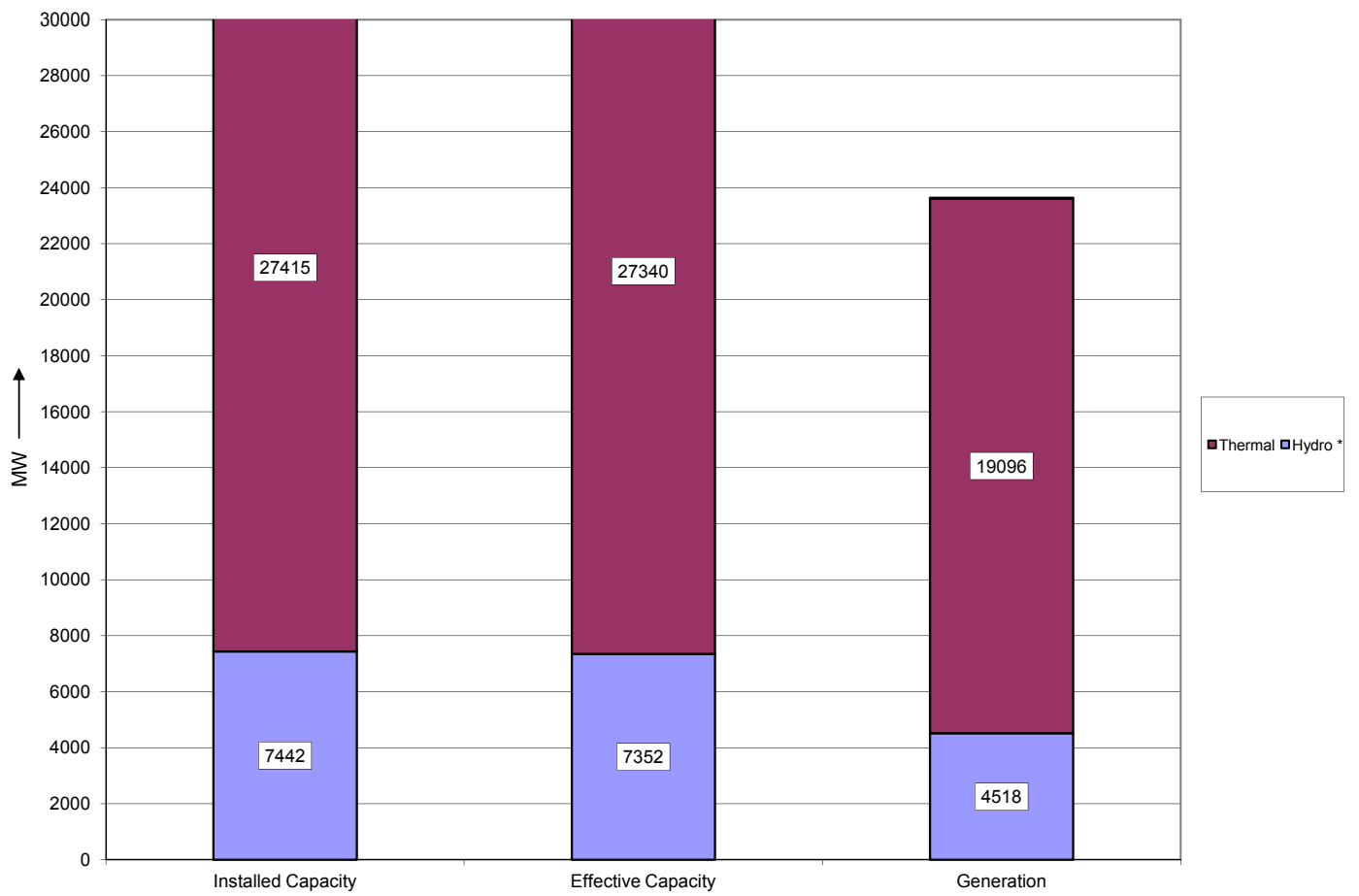
NET ENERGY GENERATION



RESERVOIR LEVEL OF HPS OF ER (RECORDED ON LAST DAY OF MONTH)

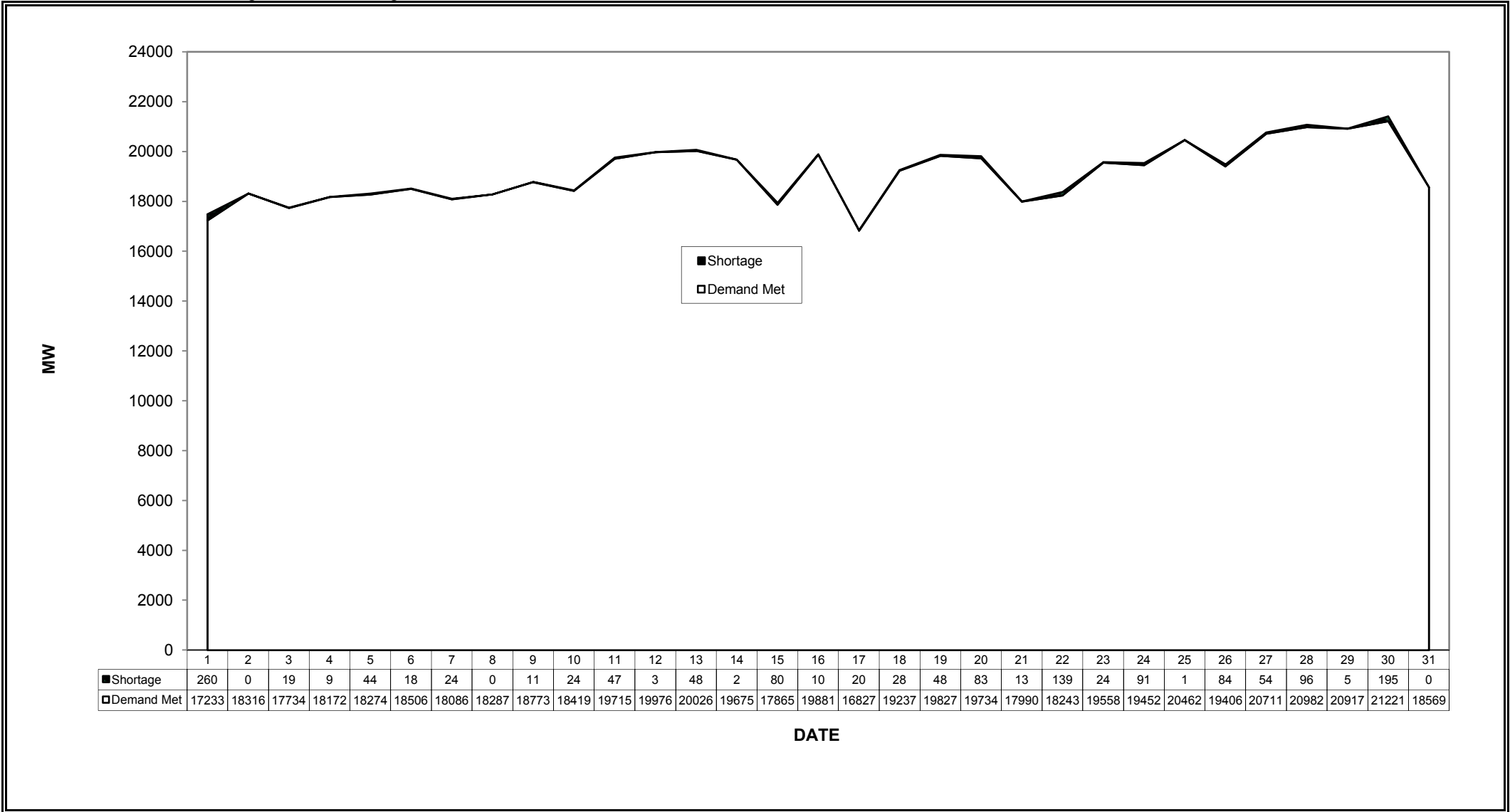


Capacity / Actual Generation Pattern of ER on Peak Day (30-3-2019) at 20.00 hrs.

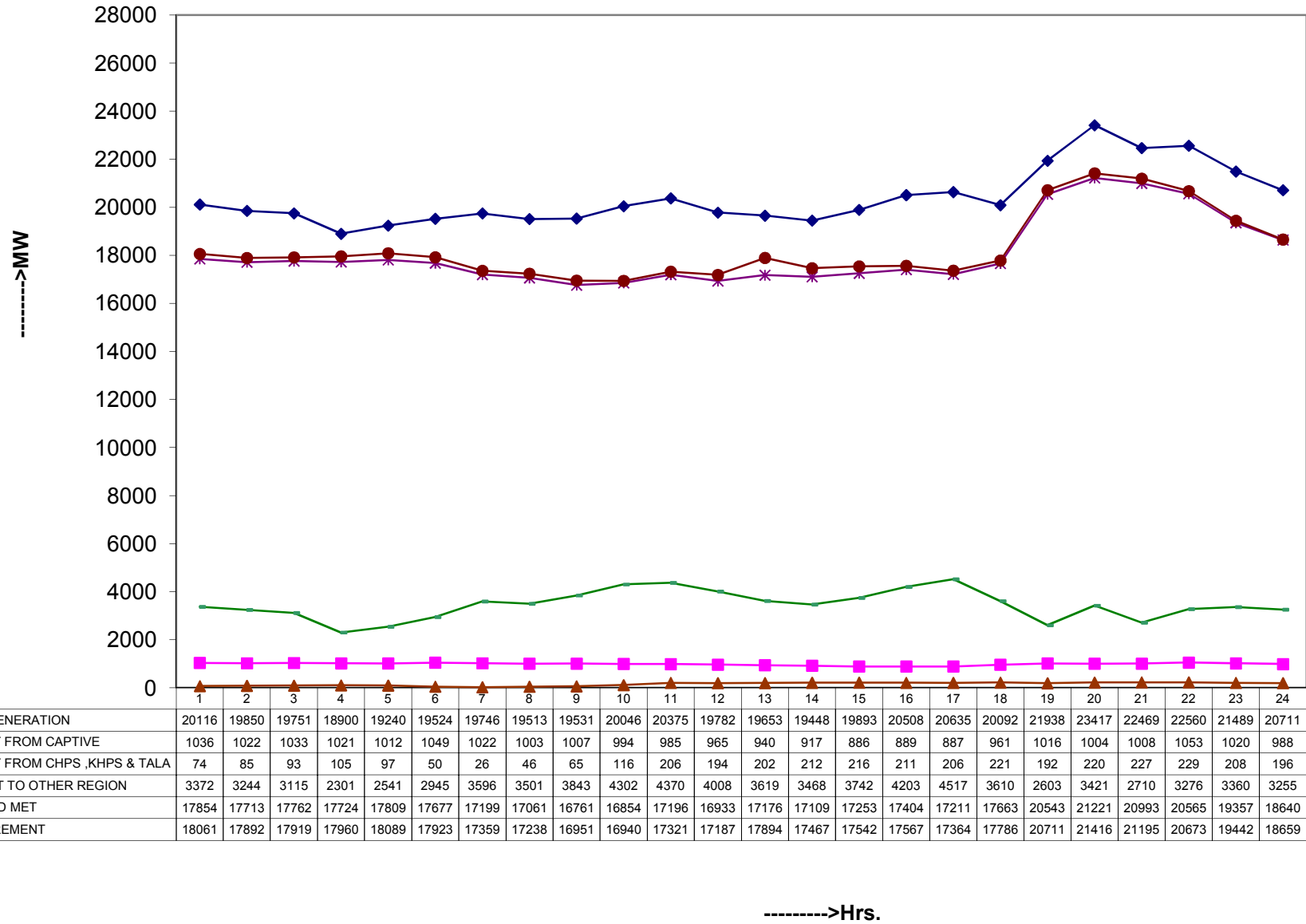


(*)--Includes contribution from HEP of Bhutan (Chukka, Kurichhu & Tala)

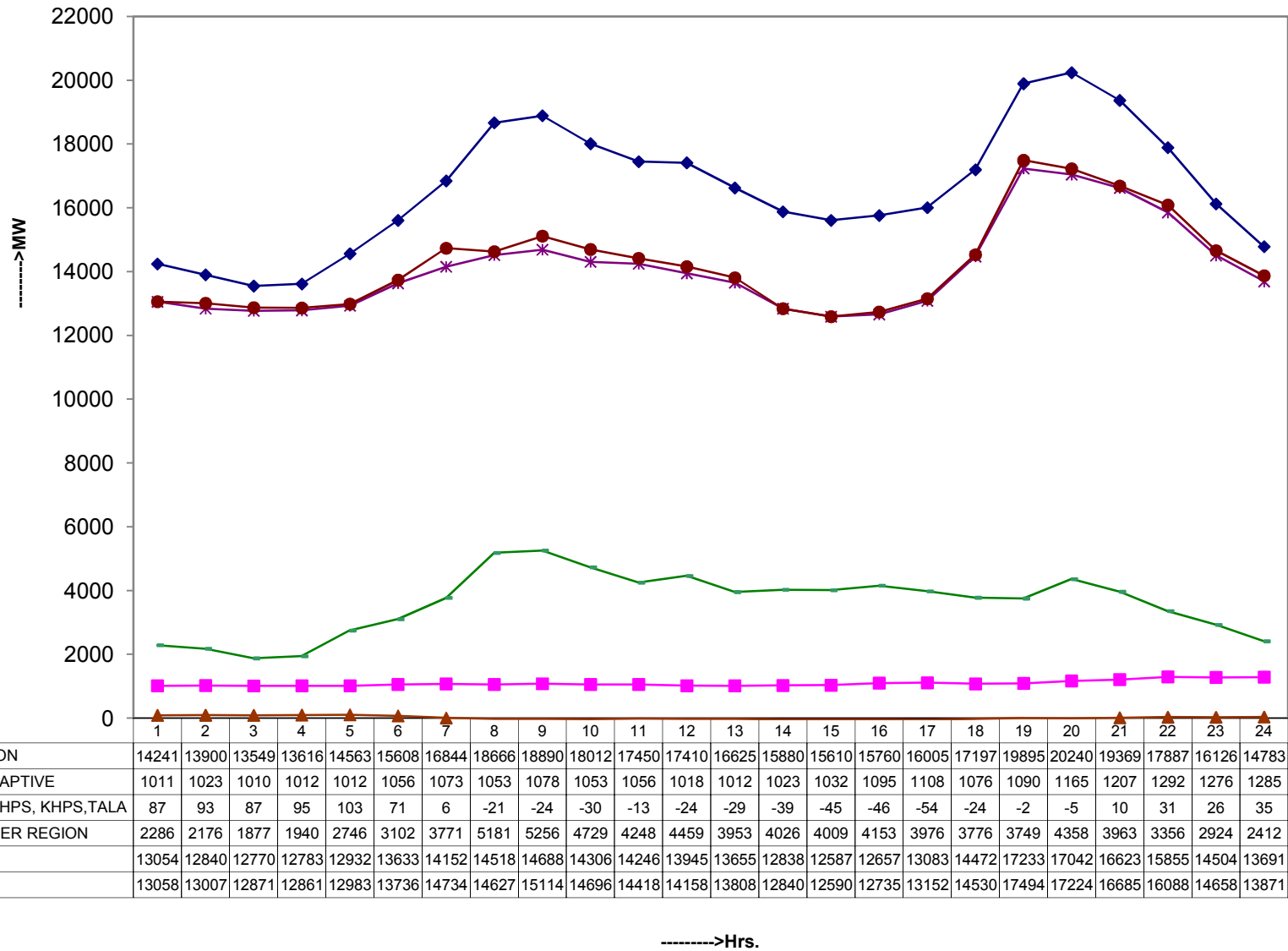
Peak Demand Met / Shortage of Eastern Region For The Month Of MARCH'2019



Hourly Load Generation Data OF ER On Regional Peak Day During The Month of MARCH'2019 (30-3-2019)

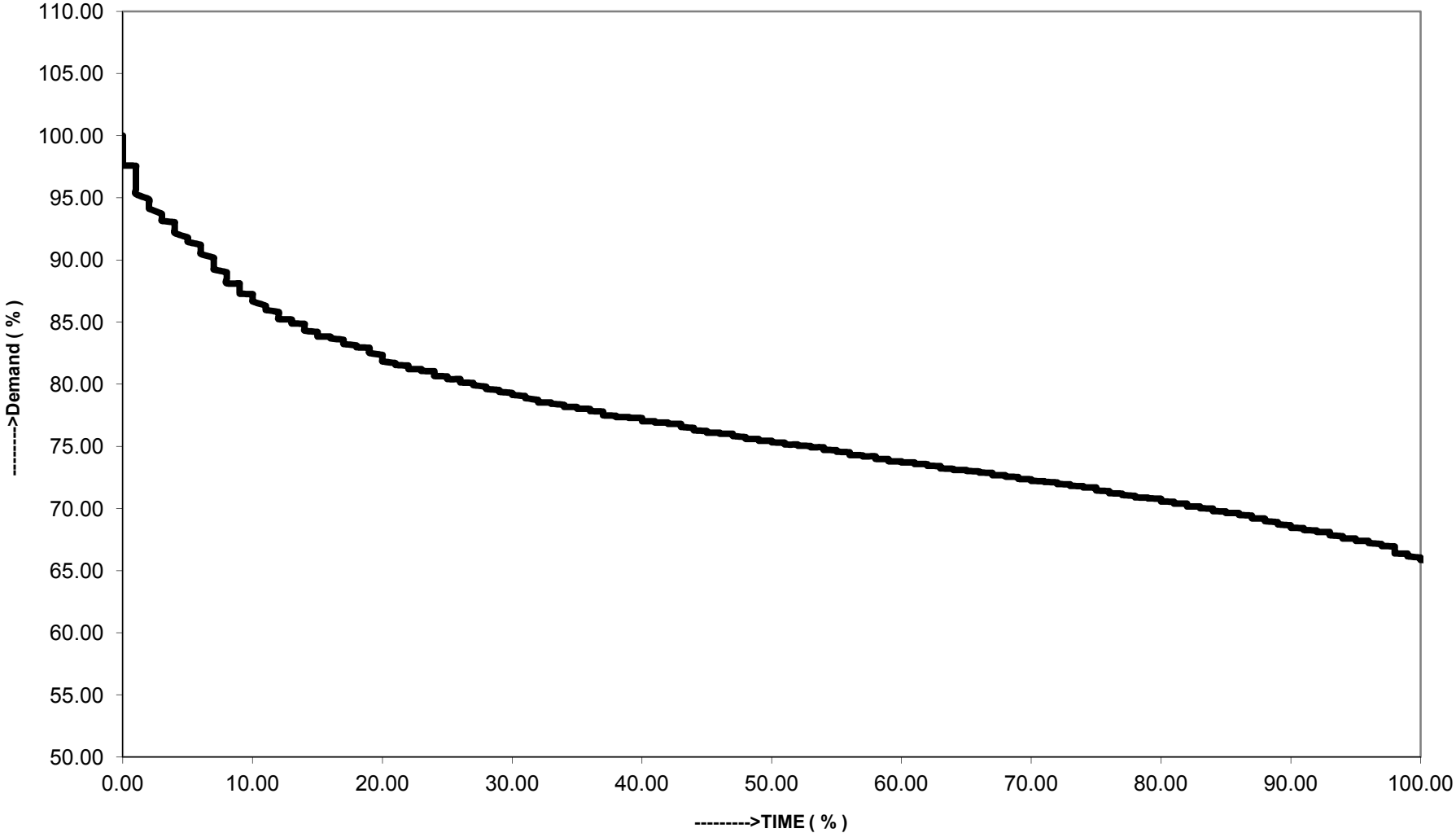


Hourly Load Generation Data of ER On Regional Lean Day During The Month of MARCH'2019 (1-3-2019)



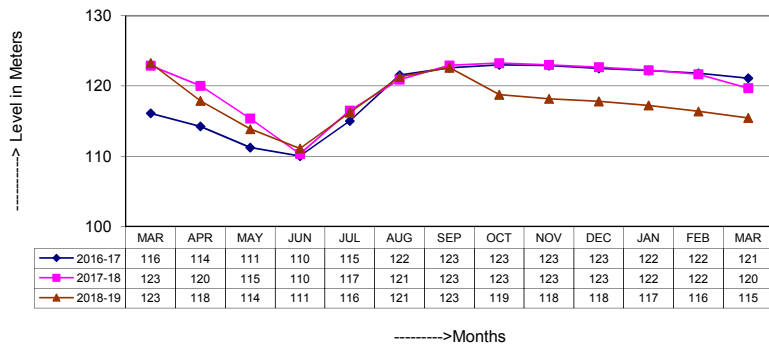
Monthly Load Duration Curve of Eastern Region for Mar-19

Maximum Demand met : 21221 MW
Minimum Demand met: 12587 MW

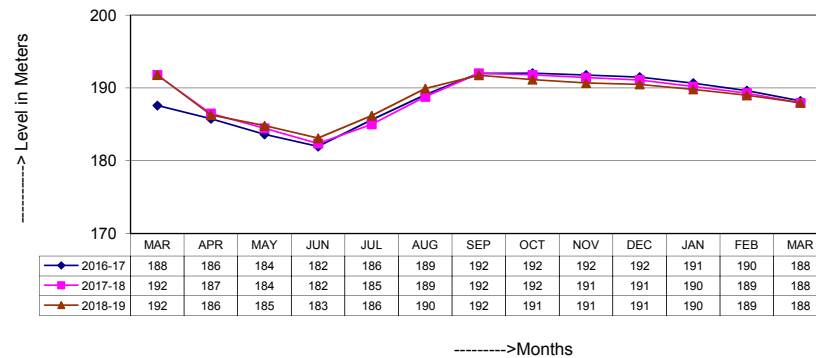


WATER LEVEL IN MAJOR RESERVOIRS ON LAST DATE OF MONTH

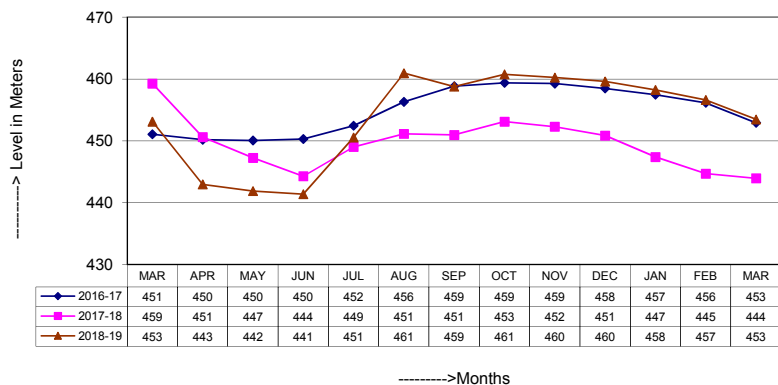
RENGALI RESERVOIR LEVEL



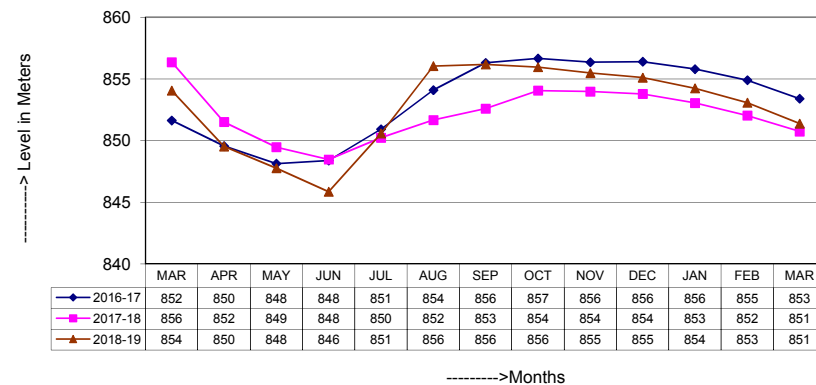
HIRAKUD RESERVOIR LEVEL



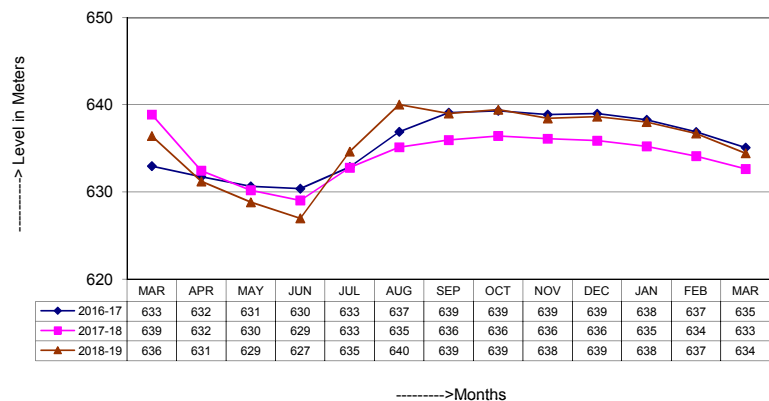
BALIMELA RESERVOIR LEVEL



UPPER KOLAB RESERVOIR LEVEL



INDRAVATI RESERVOIR LEVEL



SUBERNREKHA RESERVOIR LEVEL

