



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

अक्टूबर- 2019

October-2019



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Highlights of Eastern Regional Power System for October-2019

- The **Maximum Net Demand** met of Eastern Region (ER) during the month of **Oct, 2019** was **21706 MW** which is 4.52% less than the **Oct, 2018** (22733 MW). Individual **Peak Demand (MW)** of most of constituents **decreased** compared to the corresponding period of last year.
- The **Average Net Energy Consumption** per day in ER for the month of **Oct, 2019** was **391.21 MU** excluding export, which is 6.77% less than the corresponding period of last year (419.60 MU).
- **The Average regional PLF of thermal units during the month is 55.03%**, which is 7.62% less than the corresponding period of the last year (**62.65%**).

CEC (Budge-Budge) registered the highest **PLF** of 88.52%, followed by Haldia 86.39% NTPC (NSTPS) 80.29% and NTPC (KhSTPS) 78.46% during the month of **Oct, 2019**.

- **Maximum Net generation** was **24364 MW** against total **Effective Capacity of 38728.30 MW** (including import from Bhutan). At the time of Regional peak (21706 MW on 18.10.2019 at 20.00 hrs.) the generation was 23164 MW and import from CPP was 719 MW, Net export was 2177 MW.
- The system frequency in the IEGC recommended band (49.9 Hz to 50.05 Hz) remained for 77.07% of time during the month. **Average frequency** for the month was **50.00 Hz**. The instantaneous maximum and the minimum frequency touched were 50.31 Hz and 49.67 Hz respectively. The integrated (Fifteen minutes time block average) maximum and minimum frequency were **50.19 Hz** and **49.75 Hz** respectively (**refer Annexure-I**).
- The **Maximum Voltage** recorded **429 KV** at Binaguri 400 KV S/s whereas the minimum voltage recorded 389 KV at Jeerat 400 KV S/s of Power grid.
- **The Maximum Export from ER to outside region was 7770 MW (including Nepal and Bangladesh) on 25th Oct, 2019 at 08:00 hrs. Total net energy export during the month was 2732.33 MU (Inc.Transmission loss) MU which is corresponds to 19.17 % of ex-bus total generation 14253.83 MU of Eastern Region.**
- **The import from CPPs was 606.01 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	4140	0	1841.75
WR	0	3387	0
SR	2716	0	1204.77
NER	1345	250	388.17
BANGLADESH	954		635.21
NEPAL (via-CTU)	91		16.79
Total	7770	3387	2732.33
NEPAL by Bihar(NBPDCL)			5.86

SALIENT FEATURES

(YEAR TO YEAR COMPARISON)

		Oct-19	OCT-2018	CHANGE	% CHANGE
1) Effective Capacity (end of the Month)					
THERMAL	(MW)	29320	27205	2115	7.77
HYDRO	(MW)	5876	\$ 5876	0	0
DIESEL	(MW)	0	0	0	0
RES	(MW)	1336	886	0	0
TOTAL	(MW)	36532	33967	2565	7.55
2) Peak Demand (MW)		21726	23093	-1367	-5.92
3) Peak Demand Met (MW)		21706	22733	-1027	-4.52
4) Shortage (MW)		20	360	-340	-94.44
5) % Shortage		0.09	1.56	-1.47	-94.10
6) Average Energy Requirement Per Day (MU)		391.33	423.21	-31.88	-7.53
7) Average Energy Availability Per Day (MU)		391.21	419.60	-28.39	-6.77
8) Average Shortage Per Day (MU)		0.12	3.61	-3.49	-96.73
9) % Shortage		0.03	0.85	-0.82	-96.45
10) Net Generation for the Month					
Thermal (MU)		11001.63	11680.83	-679.20	-5.81
Hydro (MU)		3206.95	* 2531.14	675.81	26.70
RES (MU)		45.25	0.00	0.00	-
Total (MU)		14253.83	14258.59	-4.76	-0.03
11) Generation at the Time of Max. Regional Demand Met (18-10-19 at 20.00 Hrs.)					
Thermal (MW)		17749	15856	1893	11.94
Hydro (MW)		5364	* 5242	122	2.32
RES(MW)		51	49	2	3.318547619
Total (MW)		23164	21147	2017	9.54
12) Inter-Regional Energy Transfer					
Export (MU)		4086.68	3063.90	1022.78	33.38
Import (MU)		1354.35	1131.26	223.09	19.72
Net Exp.(+)/Net Imp.(-) (MU)		2732.33	1932.64	799.69	41.38
13) Import From Captive(MU)		606.01	683.01	-77.00	-11.27
14) Peak Inter Regional Power Transfer					
Max Export (MW) on 25-10-19 at 08.00Hrs		7770	6653	1117	16.80
Max Import (MW) on 21-10-19 at 24.00Hrs		3387	5095	-1708	-33.52
Max Net Export(+)/Import (-) (MW)		6678	5992	686	11.46
15) Maximum voltage recorded		429	BINAGURI	400 kv	s/s
16) Minimum voltage recorded		389	JEERAT	400 kv	s/s

\$ Excludes 2196 MW contribution from HEPs of Bhutan

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

POWER SUPPLY POSITION FOR THE MONTH OF OCT'2019

A) Net Average Energy Per Day

System	Demand Met (MU/Day)	Requirement (MU/Day)	Shortage (MU/Day)	% Shortage
BSPHCL	85.91	86.06	0.15	0.17
JUVNL	23.53	23.55	0.01	0.06
DVC	59.84	59.84	0.00	0.00
ODISHA	80.49	80.49	0.00	0.00
WBSEDCL	110.07	110.20	0.13	0.12
CESC	29.81	29.81	0.00	0.00
SIKKIM	1.37	1.37	0.00	0.00
REGION	391.2	391.33	0.12	0.03

B) Peak Demand in MW:

System	Demand Met (MW)	Requirement (MW)	Shortage (MW)	% Shortage
BSPHCL	5020	5027	6	0.13
JUVNL	1277	1277	0	0.00
DVC	2831	2831	0	0.00
ODISHA	4656	4656	0	0.00
WBSEDCL	6597	6597	0	0.00
CESC	1810	1813	3	0.2
SIKKIM	96	96	0	0.00
REGION	21706	21726	20	0.09

➤ **DIVERSITY FACTOR** **1.03**

➤ **Regional Peak Demand Met on 18-10-2019 at 20.00 hrs. at 50.08 Hz.**

CONSTITUENT-WISE PERFORMANCE DATA OCTOBER-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	52.54	17.60	70.13	0.00	8.15	0.00	8.15	0.00	44.38	17.60	61.98	0.00	2601.22	2663.20	85.9	5020	5044
JUVNL	19.88	202.54	0.00	222.42	0.00	26.45	0.00	26.45	19.88	176.09	0.00	195.97	52.59	481.03	729.58	23.5	1277	1316
DVC	69.75	2339.12	0.00	2408.86	0.16	189.13	0.00	189.29	69.59	2149.99	0.00	2219.57	41.51	-405.90	1855.19	59.8	2831	3114
ODISHA(OPGC+OHPC+TTPS)	787.29	798.61	23.55	1609.45	5.49	76.69	0.00	82.19	781.80	721.92	23.55	1527.27	415.53	552.39	2495.19	80.5	4656	4798
WBPDC+WBSEDCL+DPL	169.49	1854.83	0.00	2024.32	0.00	186.86	0.00	186.86	169.49	1667.97	0.00	1837.46	96.38	1478.47	3412.31	110.1	6597	6947
CESC	0.00	529.62	0.00	529.62	0.00	42.21	0.00	42.21	0.00	487.41	0.00	487.41	0.00	436.70	924.11	29.8	1810	1881
HEL	0.00	385.64	0.00	385.64	0.00	28.41	0.00	28.41	0.00	357.23	0.00	357.23	0.00	-357.23				
SIKKIM	0.00	0.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	3.00	0.00	39.56	42.56	1.4	96	96
NTPC	0.00	4347.96	1.10	4349.06	0.00	331.14	0.00	331.14	0.00	4016.81	1.10	4017.92	0.00	-4017.92				
MPL	0.00	556.64	0.00	556.64	0.00	33.21	0.00	33.21	0.00	523.43	0.00	523.43	0.00	-523.43				
APNRL	0.00	212.84	0.00	212.84	0.00	17.79	0.00	17.79	0.00	195.05	0.00	195.05	0.00	-195.05				
GMR	0.00	135.35	0.00	135.35	0.00	12.95	0.00	12.95	0.00	122.39	0.00	122.39	0.00	-122.39				
JITPL	0.00	366.21	0.00	366.21	0.00	22.31	0.00	22.31	0.00	343.90	0.00	343.90	0.00	-343.90				
OPGC U#4(660 MW)	0.00	223.35	0.00	223.35	0.00	28.30	0.00	28.30	0.00	195.05	0.00	195.05	0.00	-195.05				
NHPC (Inc TLDP= 160.05 MU)	514.34	0.00	0.00	514.34	0.00	0.00	0.00	0.00	514.34	0.00	0.00	514.34	0.00	-514.34	0.00			
CHPC(Birpara Receipt)	236.53	0.00	0.00	236.53	0.00	0.00	0.00	0.00	236.53	0.00	0.00	236.53	0.00	-236.53	0.00			
KHPS	10.74	0.00	0.00	10.74	0.00	0.00	0.00	0.00	10.74	0.00	0.00	10.74	0.00	-10.74	0.00			
THPS	335.03	0.00	0.00	335.03	0.00	0.00	0.00	0.00	335.03	0.00	0.00	335.03	0.00	-335.03	0.00			
DAGACHU HPS	53.43	0.00	0.00	53.43	0.00	0.00	0.00	0.00	53.43	0.00	0.00	53.43	0.00	-53.43	0.00			
Mangdechhu HEP	251.27	0.00	0.00	251.27	0.00	0.00	0.00	0.00	251.27	0.00	0.00	251.27	0.00	-251.27	0.00			
CHUZACHEN HPS	50.77	0.00	0.00	50.77	0.00	0.00	0.00	0.00	50.77	0.00	0.00	50.77	0.00	-50.77	0.00			
JORHANG HPS	57.18	0.00	0.00	57.18	0.00	0.00	0.00	0.00	57.18	0.00	0.00	57.18	0.00	-57.18	0.00			
TEESTA-III HPS	545.39	0.00	0.00	545.39	0.00	0.00	0.00	0.00	545.39	0.00	0.00	545.39	0.00	-545.39	0.00			
DIKCHU HPS	61.20	0.00	0.00	61.20	0.00	0.00	0.00	0.00	61.20	0.00	0.00	61.20	0.00	-61.20	0.00			
TASHIDING HPS	50.34	0.00	0.00	50.34	0.00	0.00	0.00	0.00	50.34	0.00	0.00	50.34	0.00	-50.34	0.00			
Total Drawal by HVDC Sahsaram,Alipurduar														5.29	5.29			
Total	3212.61	12005.23	45.25	15263.09	5.65	1003.61	0.00	1009.26	3206.96	11001.62	45.25	14253.83	606.01	-2732.40	12127.44	391.2	21706	22966

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

A) Net Average Energy

Month	2018-19					2019-20				
	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	393.59	396.98	3.39	0.85	49.96	428.71	429.56	0.85	0.20	50.00
MAY	420.52	425.36	4.84	1.14	49.94	451.15	452.79	1.64	0.36	49.99
JUNE	437.39	441.13	3.74	0.85	49.97	461.72	462.87	1.15	0.25	49.99
JULY	425.68	427.31	1.63	0.38	49.97	450.73	451.52	0.79	0.17	50.00
AUGUST	446.36	449.17	2.81	0.63	49.97	460.9	462.13	1.26	0.27	49.99
SEPTEMBER	440.53	448.47	7.94	1.77	49.96	445.43	446.55	1.12	0.25	50.00
OCTOBER	419.33	423.20	3.87	0.91	49.96	391.21	391.33	0.12	0.03	50.00
NOVEMBER	368.99	371.76	2.77	0.75	49.97	-	-	-	-	-
DECEMBER	340.51	342.17	1.66	0.49	49.96	-	-	-	-	-
JANUARY	355.14	357.42	2.29	0.64	49.98	-	-	-	-	-
FEBRUARY	356.66	357.25	0.59	0.17	49.99	-	-	-	-	-
MARCH	384.42	385.48	1.06	0.27	49.99	-	-	-	-	-

B) Peak in MW:

Month	2018-19					2019-20				
	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.
	(MW)	(MW)	(MW)	(%)	(HZ)	(MW)	(MW)	(MW)	(%)	(HZ)
APRIL	21058	21128	70	0.33	49.96	22378	22415	37	0.17	50.00
MAY	21902	22012	111	0.50	49.94	22781	22830	49	0.22	49.99
JUNE	22080	22964	884	3.85	49.97	22808	22867	59	0.26	49.99
JULY	21790	21849	59	0.27	49.97	23154	23246	92	0.40	50.00
AUGUST	22580	22794	215	0.94	49.97	23398	23421	22	0.10	49.99
SEPTEMBER	22286	22815	529	2.32	49.96	23126	23276	150	0.64	50.00
OCTOBER	22733	23093	360	1.56	49.96	21706	21726	20	0.09	50.00
NOVEMBER	20322	20512	190	0.93	49.97	-	-	-	-	-
DECEMBER	18023	18049	25	0.14	49.96	-	-	-	-	-
JANUARY	18702	18783	81	0.43	49.98	-	-	-	-	-
FEBRUARY	18921	18923	2	0.01	49.99	-	-	-	-	-
MARCH	21221	21416	195	0.91	49.99	-	-	-	-	-

PERFORMANCE OF GENERATING STATIONS IN THE EASTERN REGION DURING THE MONTH OF OCTOBER-2019

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	Gross	Net	Cummulative Gross	Cummulative Net
					Energy Generation	Energy Generation	Energy Generation upto Current Month	Energy Generation upto Current Month
			(in MW)	(in MW)	in MU	in MU	(2019-20) in MU	(2019-20) in MU
BIHAR	Thermal	Barauni (U# 6&7)	220.00	210.00	21.39	18.40	74.58	64.22
		Muzaffarpur Stg-I	220.00	220.00	31.14	25.98	584.43	509.24
		Thermal Total	440.00	430.00	52.54	44.38	659.01	573.45
	RES		327.90	327.90	17.60	17.60	160.66	160.66
		Total BIHAR	767.90	757.90	70.13	61.98	819.68	734.12
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	202.54	176.09	1420.42	1244.70
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	19.87	19.87	27.36	27.36
	RES		39.00	39.00	0.00	0.00	0.00	0.00
		Total	169.00	169.00	19.87	19.87	27.36	27.36
DVC	Thermal	Bokaro-B(3)	210.00	210.00	0.00	-0.24	94.03	68.54
		Chandrapura (3)	140.00	130.00	0.00	0.00	0.00	0.00
		Chandrapura(U7 # 8)	500.00	500.00	228.89	204.54	1975.95	1781.73
		Durgapur(4)	210.00	210.00	3.71	1.84	216.56	180.75
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	597.66	533.47	4693.59	4206.07
		Mezia(U # 7,8)	1000.00	1000.00	252.59	238.36	2906.38	2743.02
		Bokaro-A(1)	500.00	500.00	16.09	10.75	1523.33	1434.72
		Durgapur STPS (U#1,2)	1000.00	1000.00	445.20	417.00	3613.02	3402.04
	Raghunathpur TPS (U#1,2)	1200.00	1200.00	370.65	346.77	3141.92	2947.45	
	Koderma STPS (U#1,2)	1000.00	1000.00	424.33	397.51	3899.35	3676.98	
		Total Thermal	7100.00	7090.00	2339.12	2149.99	22064.14	20441.29
	Hydro	Maithon (U#1,2,3)	63.20	63.20	38.53	38.50	53.83	53.61
		Panchet (U#1,2)	80.00	80.00	31.05	30.94	83.98	83.45
		Tilaya (U#1,2)	4.00	4.00	0.16	0.2	0.17	0.1
Hydro Total		147.20	147.20	69.75	69.59	137.98	137.17	
	Total DVC	7247.20	7237.20	2408.86	2219.57	22202.12	20578.46	
WEST BENGAL								
WBPDCCL	Thermal	Bandel TPS	380.00	335.00	143.90	130.15	669.78	591.95
		Santalidih TPS(U#5&6)	500.00	500.00	273.43	249.64	2251.67	2069.00
		Kolaghat TPS	1260.00	1260.00	209.43	182.94	2279.63	2014.94
		Bakreswar TPP	1050.00	1050.00	487.54	438.89	3797.81	3439.80
		Sagardighi TPP	1600.00	1600.00	540.84	488.50	3814.99	3461.25
		DPPS (110+300+250 *)	660.00	660.00	199.69	177.85	1471.20	1316.98
		Thermal Total	5450.00	5405.00	1854.83	1667.97	14285.07	12893.93
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	23.62	23.62	153.89	153.89
		Ramam (4x12.73)	51.00	51.00	35.07	35.07	185.91	185.91
		Teesta C.F. (3x3x7.3)	67.30	67.30	11.39	11.39	38.55	38.55
		Purulia PSS (4x225)	900.00	900.00	99.41	99.41	705.89	705.89
		Total Hydro	1053.30	1053.30	169.49	169.49	1084.24	1084.24
	RES		407.15	407.15	0.00	0.00	0.48	0.48

- Chandrapura #1 is retired on 17.01.17
- Patratu # 1,2,3,5,8 are retired on 21.12.16

PERFORMANCE OF GENERATING STATIONS IN THE EASTERN REGION DURING THE MONTH OF OCTOBER-2019

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	Gross Energy Generation	Net Energy Generation	Cummulative Gross Energy Generation upto Current Month	Cummulative Net Energy Generation upto Current Month
			(in MW)	(in MW)	in MU	in MU	(2019-20) in MU	(2019-20) 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	35.70	32.28	285.40	258.13
		Budge-Budge (3x250)	750.00	750.00	493.91	455.13	3674.35	3390.45
		Total CESC	1125.00	1125.00	529.62	487.41	3959.74	3648.59
HEL	Thermal	HEL	600.00	600.00	385.64	357.23	2784.53	2571.59
		Total West Bengal	8635.45	8590.45	2939.57	2682.10	22114.07	20198.82
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	112.92	98.08	998.16	883.54
		Talcher-II	220.00	220.00	111.14	96.54	891.05	788.68
		Total Thermal	470.00	460.00	224.06	194.62	1889.21	1672.21
OPGC	Thermal	IB TPS	420.00	420.00	203.96	180.13	1560.86	1385.52
		IB TPS U#3(660 MW)	660.00	660.00	370.59	347.17	1016.39	949.91
		IB TPS U#4(660 MW)			223.35	195.05	738.10	672.46
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	97.19	97.00	392.93	390.98
		Hirakud-II (Chiplima)	72.00	72.00	27.80	27.73	162.67	161.76
		Balimela (6x60+2x75)	510.00	510.00	179.91	179.23	1064.55	1058.09
		Rengali (5x50)	250.00	250.00	132.58	132.44	437.59	436.25
		Upper Kolab (4x80)	320.00	320.00	76.62	76.32	491.92	488.97
		Indravati HPS (4x150)	600.00	600.00	249.33	245.21	1537.36	1519.94
		Mckd.(Odisha drawal)	57.38	57.38	23.87	23.87	177.61	177.61
		Total Hydro	2084.88	2084.88	787.29	781.80	4264.63	4233.61
		RES	499.76	499.76	23.55	23.55	168.99	168.99
		Total Odisha	4794.64	4784.64	1609.45	1527.27	8900.08	8410.25
(**) SIKKIM	Hydro	RES	52.11	52.11	3.00	3.00	19.00	19.00
NTPC		MTPS Stg-II	390.00	390.00	196.0872	175.48	1310.24	1172.02
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	582.40	528.49	6193.02	5694.30
		FSTPP (U# 6)	500.00	500.00	282.53	262.00	1341.21	1249.53
		KhSTPP (4x210+3x500)	2340.00	2340.00	1366.02	1264.47	9492.24	8781.20
		TSTPP (2x500)	1000.00	1000.00	454.34	410.92	3486.94	3182.37
		BARH STPS II (2X660)	1320.00	1320.00	707.88	665.35	5749.11	5437.80
		BRBCL # 1,2,3(3X250 MW)	750	750	364.42	334.23	2579.81	2381.30
		NPGC			394.28	375.87	919.18	849.45
		Total NTPC	8560.00	8560.00	4347.96	4016.81	31071.75	28747.96
		NHPC	HYDRO	Rangit (3x20)	60.00	60.00	43.99	43.99
Teesta (3x170)	510.00			510.00	310.30	310.30	2290.83	2290.83
TLDP -(4x33+4x40)	292.00			292.00	160.05	160.05	1085.48	1085.48
Total NHPC	862.00			862.00	514.34	514.34	3637.18	3637.18
MPL (U#1&2)	1050.00			1050.00	556.64	523.43	3681.21	3457.97
APNRL (U#1,2)	540.00			540.00	212.84	195.05	1765.84	1608.57
GMR (2x350)	700.00			700.00	135.35	122.39	2030.81	1878.68
JITPL (2X600)	1200.00			1200.00	366.21	343.90	2808.95	2624.62
CHUZACHEN** (2x55)	110.00			110.00	50.77	50.77	412.33	412.33
JORETHANG (2x48)	96.00			96.00	57.18	57.18	332.51	332.51
TEESTA URJA St III (6x200)	1200.00			1200.00	545.39	545.39	5080.07	5080.07
Tashilding (2x48.5)	97.00			97.00	61.20	61.20	364.25	364.25
DICKCHU (2x48)	96.00			96.00	50.34	50.34	422.99	422.99
TALCHER SOLAR	10.00			10.00	1.10	1.10	7.78	7.78
Total Thermal (E.R)	29395.00			29320.00	12005.24	11001.63	91736.05	84371.44
EASTERN REGIONAL				Total Hydro (E.R)	5876.38	5876.38	2325.62	2319.96
		Total RES	1335.92	1335.92	45.25	45.25	356.92	356.92
		TOTAL (E.R)	36607.30	36532.30	14376.10	13366.84	107856.52	100460.09
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	236.53	236.53	1444.70	1444.70
		Kurichu (4x15)	60.00	60.00	10.74	10.74	282.44	282.44
		TALA (6x170)	1020.00	1020.00	335.03	335.03	2425.38	2425.38
		DAGACHU (2x63)	126.00	126.00	53.43	53.43	307.54	307.54
		MANGDECHU(4x180)	720.00	720.00	251.27	251.27	1134.94	1134.94
		Grand Total	38893.30	38728.30	15263.09	14253.83	113451.51	106055.08

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF OCTOBER' 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 (2019-20) in MU	Cummulative PLF upto Current Month (%)	
BIHAR	Thermal	Barauni (U# 6&7)	220.00	210.00	21.39	13.69	74.58	6.91	
		Muzaffarpur Stg-I	220.00	220.00	31.14	19.02	584.43	51.72	
		Thermal Total	440.00	430.00	52.54	16.42	659.01	29.84	
	RES		327.90	327.90	17.60		160.66		
	Total BIHAR		767.90	757.90	70.13		819.68		
JHARKHAND									
TVNL	Thermal	TVNL	420.00	420.00	202.54	64.82	1420.42	65.85	
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	19.87		27.36		
		RES		39.00	39.00	0.00		0.00	
	Total		169.00	169.00	19.87		27.36		
DVC	Thermal	Bokaro-B(3)	210.00	210.00	0.00	0.00	94.03	8.72	
		Chandrapura (3)	140.00	130.00	0.00	0.00	0.00	0.00	
		Chandrapura(U7 # 8)	500.00	500.00	228.89	61.53	1975.95	76.95	
		Durgapur(4)	210.00	210.00	3.71	2.37	216.56	20.08	
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	597.66	59.95	4693.59	68.20	
		Mezia(U # 7,8)	1000.00	1000.00	252.59	33.95	2906.38	56.59	
		Bokaro-A(1)	500.00	500.00	16.09	4.33	1523.33	59.32	
		Durgapur STPS (U#1,2)	1000.00	1000.00	445.20	59.84	3613.02	70.35	
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	370.65	41.52	3141.92	50.98	
	Koderma STPS (U#1,2)	1000.00	1000.00	424.33	57.03	3899.35	75.92		
	Total Thermal		7100.00	7090.00	2339.12	44.34	22064.14	60.59	
	Hydro	Maithon (U#1,2,3)	63.20	63.20	38.53		53.83		
		Panchet (U#1,2)	80.00	80.00	31.05		83.98		
Tilaya (U#1,2)		4.00	4.00	0.16		0.17			
Hydro Total			147.20	147.20	69.75		137.98		
Total DVC		7247.20	7237.20	2408.86		22202.12			
WEST BENGAL									
WBPDC	Thermal	Bandel TPS	380.00	335.00	143.90	57.74	669.78	38.93	
		Santalalih TPS(U#5&6)	500.00	500.00	273.43	73.50	2251.67	87.68	
		Kolaghat TPS	1260.00	1260.00	209.43	22.34	2279.63	35.23	
		Bakreswar TPP	1050.00	1050.00	487.54	62.41	3797.81	70.42	
		Sagardighi TPP	1600.00	1600.00	540.84	45.43	3814.99	46.42	
		DPPS (110+300+250 *)	660.00	660.00	199.69	40.67	1471.20	43.40	
		Thermal Total		5450.00	5405.00	1854.83	46.12	14285.07	51.46
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	23.62		153.89		
		Ramam (4x12.73)	51.00	51.00	35.07		185.91		
		Teesta C.F. (3x3x7.3)	67.30	67.30	11.39		38.55		
		Purulia PSS (4x225)	900.00	900.00	99.41		705.89		
		Total Hydro		1053.30	1053.30	169.49		1084.24	
		RES		407.15	407.15	0.00		0.48	

WBPDC,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 OCTOBER' 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
CESC	Thermal	Titagarh (4x60)	240.00	240.00	0.00	0.00	0.00	0.00
		Southern (2x67.5)	135.00	135.00	35.70	35.55	285.40	41.16
		Budge-Budge (3x250)	750.00	750.00	493.91	88.52	3674.35	95.39
		Total CESC	1125.00	1125.00	529.62	63.28	3959.74	68.53
HEL	Thermal		600.00	600.00	385.64	86.39	2784.53	90.36
		Total West Bengal	8635.45	8590.45	2939.57		22114.07	
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	112.92	63.24	998.16	80.98
		Talcher-II	220.00	220.00	111.14	67.90	891.05	78.86
		Total Thermal	470.00	460.00	224.06	65.47	1889.21	79.96
OPGC	Thermal	IB TPS	420.00	420.00	203.96	65.27	1560.86	72.36
		IB TPS U#3(660 MW)	660.00	660.00	370.59	75.47	1016.39	42.19
		IB TPS U#4(660 MW)			223.35	45.48	738.10	41.09
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	97.19		392.93	
		Hirakud-II (Chiplima)	72.00	72.00	27.80		162.67	
		Balimela (6x60+2x75)	510.00	510.00	179.91		1064.55	
		Rengali (5x50)	250.00	250.00	132.58		437.59	
		Upper Kolab (4x80)	320.00	320.00	76.62		491.92	
		Indravati HPS (4x150)	600.00	600.00	249.33		1537.36	
		Mckd.(Odisha drawal)	57.38	57.38	23.87		177.61	
		Total Hydro	2084.88	2084.88	787.29		4264.63	
		RES	499.76	499.76	23.55		168.99	
		Total Odisha	4794.64	4784.64	1609.45		8900.08	
(**) SIKKIM	Hydro	RES	52.11	52.11	3.00		19.00	
NTPC		MTPS Stg-II	390	390	196.0872	67.58	1310.24	65.41
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	582.40	48.92	6193.02	75.36
		FSTPP (U# 6)	500.00	500.00	282.53	75.95	1341.21	52.23
		KhSTPP (4x210+3x500)	2340.00	2340.00	1366.02	78.46	9492.24	78.98
		TSTPP (2x500)	1000.00	1000.00	454.34	61.07	3486.94	67.89
		BARH STPS II (2X660)	1320.00	1320.00	707.88	72.08	5749.11	84.80
		BRBCL # 1,2,3(3X250 MW)	750.00	750.00	364.42	65.31	2579.81	66.97
		NPGC			394.28	80.29	919.18	78.95
		Total NTPC	8560.00	8560.00	4347.96	68.27	31071.75	74.41
		NHPC	HYDRO	Rangit (3x20)	60.00	60.00	43.99	
Teesta (3x170)	510.00			510.00	310.30		2290.83	
TLDP -(4x33+4x40)	292.00			292.00	160.05		1085.48	
Total NHPC	862.00			862.00	514.34		3637.18	
	Thermal	MPL (U#1&2)	1050.00	1050.00	556.64	71.25	3681.21	68.26
		APNRL (U#1,2)	540.00	540.00	212.84	52.98	1765.84	63.67
		GMR (2x350)	700.00	700.00	135.35	25.99	2030.81	56.49
		JITPL (2X600)	1200.00	1200.00	366.21	41.02	2808.95	45.58
		CHUZACHEN** (2x55)	110.00	110.00	50.77		412.33	
		JORETHANG (2x48)	96.00	96.00	57.18		332.51	
		TEESTA URJA St III (6x200)	1200.00	1200.00	545.39		5080.07	
		Tashilding (2x48.5)	97.00	97.00	61.20		364.25	
		DICKCHU (2x48)	96.00	96.00	50.34		422.99	
		TALCHER SOLAR	10.00	10.00	1.10		7.78	
Total Thermal (E.R)	29395.00	29320.00	12005.24	55.03	91736.05	63.06		
EASTERN REGIONAL		Total Hydro (E.R)	5876.38	5876.38	2325.62		15763.55	
		Total RES	1335.92	1335.92	45.25		356.92	
		TOTAL (E.R)	36607.30	36532.30	14376.10		107856.52	
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	236.53		1444.70	
		Kurichu (4x15)	60.00	60.00	10.74		282.44	
		TALA (6x170)	1020.00	1020.00	335.03		2425.38	
		DAGACHU (2x63)	126.00	126.00	53.43		307.54	
		MANGDECHU(4x180)	720.00	720.00	251.27		1134.94	
		Grand Total	38893.30	38728.30	15263.09		113451.51	

CONTRIBUTIONS OF DIFFERENT CONSTITUENTS AT THE TIME OF REGIONAL PEAK
DURING THE MONTH OF OCT'2019 (18-10-2019)

Date 18-Oct-19
Time 20.00 Hrs.
Frequency 50.08 Hz.

(All Fig. in MW)

System/State	Installed Capacity	Effective Capacity	Hydro	Thermal	RES	Total
BSPHCL	768	758	0	131	0	131
JUVNL	589	589	53	259	0	312
DVC	7247	7237	69	3462	0	3530
ODISHA	4795	4785	1276	1365	51	2692
WBSEDCL	6250	6205	998	2682	0	3681
TLDP	292	292	218	0	0	218
HEL HALDIA	600	600	0	538	0	538
CESC	1125	1125	0	776	0	776
DPL	660	660	0	0	0	0
SIKKIM	52	52	0	0	0	0
NTPC	8560	8560	0	6440	0	6440
NHPC	570	570	568	0	0	568
CHUKHA	360	270	251	0	0	251
KURICHU	60	60	55	0	0	55
TALA	1020	1020	325	0	0	325
MPL	1050	1050	0	970	0	970
OPGC (660 MW)	0	0	0	294	0	294
APNRL	540	540	0	227	0	227
Kamalganga (GMR)	700	700	0	150	0	150
JITPL	1200	1200	0	455	0	455
Chuzachen	110	110	111	0	0	111
Jorethang	96	96	67	0	0	67
TEESTA URJA St III	1200	1200	895	0	0	895
Tashilding	97	97	79	0	0	79
DICKCHU	96	96	63	0	0	63
<u>Daghachu</u>	126	126	61	0	0	61
<u>Solar</u>	10	10	0	0	0	0
<u>Mangdechu</u>	720	720	274	0	0	274
Total	38893	38728	5364	17749	51	23164
Import From Captive:						719
Export To:						
NER						766
SR						1723
WR						-2481
NR						1190.18
Bangladesh						927.49
Nepal						50.50
Total						2177
➤ I Net Peak Demand Met (MW) :						21706

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

Hourly Load Generation Data OF ER On Regional Peak Day During The Month of OCT'2019 (18-10-2019)

(All Figures in MW)

Hrs.	Generation			Import from Captive	Net Import From CHPS, KHPS & TALA	Net Export to other region	Demand Met	Freq. Correction	Load Shed	Requirement
	Hydro	Thermal	Total							
1	3175	17201	20376	661	1114	3699	18451	15	0	18466
2	2912	17180	20093	635	1154	3805	18077	17	0	18095
3	2422	17044	19465	670	1138	3292	17981	8	0	17989
4	2303	16718	19021	675	1091	2825	17963	27	0	17989
5	2270	16696	18966	666	1078	2726	17985	-13	0	17985
6	2982	17108	20090	655	1050	3903	17892	0	1	17893
7	3301	17222	20523	561	1031	4943	17171	18	1	17189
8	3188	17219	20407	518	1059	5025	16958	-4	2	16961
9	3101	17141	20242	519	1074	4793	17041	-13	2	17043
10	2975	17090	20065	498	1072	4201	17433	5	7	17445
11	2906	17093	19998	499	1126	4194	17430	6	1	17437
12	2864	16810	19674	498	1177	3912	17437	0	0	17437
13	2437	16836	19274	513	1070	3716	17141	1	0	17142
14	2366	16221	18587	488	1059	3125	17009	-19	1	17010
15	2678	16618	19296	499	1072	3602	17265	-3	1	17266
16	3032	17007	20039	526	1065	4381	17250	-2	3	17251
17	3112	16746	19858	533	980	4225	17146	23	2	17170
18	4349	17072	21421	598	1026	3126	19919	-16	2	19921
19	4691	17548	22239	741	954	2429	21505	-38	2	21507
20	4447	17749	22197	720	967	2177	21706	-59	20	21726
21	4453	17544	21998	713	984	2718	20976	22	0	20999
22	3986	17641	21627	661	1011	2905	20394	-21	0	20394
23	4162	17067	21229	659	1033	2984	19937	9	10	19956
24	3448	16767	20216	644	1046	2514	19391	-5	10	19396

Hourly Load Generation Data of ER On Regional Lean Day During The Month of OCT'2019 (25-10-2019)

(All Figures in MW)

Hrs.	Generation			Import from Captive	Net Import From CHPS, KHPS & TALA	Net Export to other region	Demand Met	Freq. Correction	Load Shed	Requirement
	Hydro	Thermal	Total							
1	2183	12763	14946	612	932	3383	13106	8	19	13133
2	1641	12597	14239	610	933	3288	12493	11	21	12525
3	1528	12409	13936	563	927	2995	12432	0	26	12457
4	1348	12395	13744	519	913	2944	12231	-3	29	12257
5	1479	12369	13848	515	873	2772	12465	3	36	12504
6	1827	13263	15090	546	851	3860	12628	3	43	12674
7	2780	14187	16967	561	819	5406	12941	35	44	13020
8	3040	15431	18471	655	833	6626	13332	33	44	13409
9	3068	14567	17635	557	842	5571	13463	-14	34	13482
10	3463	13801	17265	551	835	4989	13662	-1	34	13695
11	2650	13379	16029	579	837	4013	13433	0	28	13461
12	2160	13540	15700	612	807	3407	13711	30	25	13766
13	1951	13277	15228	573	805	3182	13424	-6	24	13441
14	1795	13028	14823	613	812	3150	13098	-15	23	13106
15	1677	13337	15014	537	783	3416	12917	7	22	12946
16	2062	13339	15401	521	724	3414	13233	2	15	13250
17	3130	13820	16949	495	824	3825	14444	-13	12	14456
18	4174	15015	19189	560	833	3999	16582	-28	6	16589
19	4614	15571	20186	632	852	4371	17299	-30	6	17304
20	4461	15254	19715	610	863	4378	16809	-10	1	16810
21	4474	14312	18786	632	874	3967	16325	-4	1	16326
22	3688	13582	17270	643	896	3757	15052	-16	0	15052
23	3232	13111	16343	576	898	3572	14244	-17	86	14313
24	2600	12450	15050	536	904	2733	13757	-28	88	13817

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

FOR THE MONTH OF OCT'2019

POWER CUT / RESTRICTIONS

BSPHCL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 4.66 MU
JUVNL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 0.43 MU
DVC	NO NOTIFIED CUTS/RESTRICTIONS. However there was loadshedding of 0.00 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 4.05 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 Oct-19

D A T E	H O U R S										INST. FREQ.				15 MIN. INTEGRATED			
	00 TO 05	05 TO 10	10 TO 17	17 TO 22	22 TO 24	00 TO 24	<49.9 TO 50.1	49.9 TO 50.1	>50.05 TO 50.05	49.9 TO 50.05	MAX HZ	HRS.	MIN HZ	HRS.	MAX HZ	HRS.	MIN HZ	HRS.
	01-Oct	50.01	50.01	49.97	50.00	50.00	50.00	4.50	79.50	15.90	79.50	50.16	13:04	49.76	16:44	50.10	0:00	49.85
02-Oct	50.00	50.03	50.01	49.98	50.01	50.01	2.40	76.40	21.20	76.40	50.16	6:03	49.74	18:36	50.07	0:00	49.80	0:00
03-Oct	50.01	49.98	49.99	50.00	49.97	49.99	6.10	76.40	17.50	76.40	50.16	16:03	49.77	18:20	50.08	0:00	49.85	0:00
04-Oct	50.00	49.99	50.02	49.98	49.96	49.99	4.60	78.40	17.00	78.40	50.18	13:07:10	49.79	05:14:10	50.13	0:00	49.90	0:00
05-Oct	50.00	50.02	50.01	50.02	50.02	50.01	0.00	0.00	0.00	0.00	0.00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
06-Oct	49.97	50.01	50.01	50.01	49.99	50.00	1.60	78.10	20.30	78.10	50.14	12:59	49.84	3:41	50.07	0:00	49.90	0:00
07-Oct	50.02	50.03	50.02	50.02	50.01	50.02	0.10	68.70	31.30	68.70	50.19	13:02:10	49.90	11:46:40	50.12	0:00	49.94	0:00
08-Oct	50.00	50.04	50.05	50.03	50.03	50.03	0.00	61.50	38.50	61.50	50.20	14:00:30	49.89	01:03:50	50.14	0:00	49.94	0:00
09-Oct	50.04	50.01	50.02	50.02	49.99	50.02	0.40	66.30	33.30	66.30	50.19	16:01:50	49.86	21:36:10	50.12	0:00	49.94	0:00
10-Oct	49.99	50.00	49.99	49.97	50.01	49.99	4.50	80.90	14.50	80.90	50.14	10:03:40	49.70	18:22:30	50.06	0:00	49.76	0:00
11-Oct	49.98	49.98	50.01	50.00	50.03	50.00	5.30	79.10	15.60	79.10	50.16	13:04:30	49.80	05:22:00	50.01	0:00	49.85	0:00
12-Oct	50.01	50.02	49.99	50.02	50.01	50.01	0.50	78.50	21.00	78.50	50.16	08:00:10	49.84	14:14:40	50.07	0:00	49.93	0:00
13-Oct	50.00	50.02	50.01	50.02	50.00	50.01	0.70	78.60	20.70	78.60	50.20	16:04:20	49.87	22:05:20	50.09	0:00	49.94	0:00
14-Oct	50.00	49.99	49.99	49.99	50.00	49.99	4.20	82.70	13.10	82.70	50.17	13:02:50	49.77	21:20	50.06	0:00	49.86	0:00
15-Oct	49.96	50.00	49.99	50.01	49.98	49.99	5.10	77.90	17.00	77.90	50.21	18:00:50	49.82	21:20:40	50.06	0:00	49.88	0:00
16-Oct	49.97	50.00	50.00	50.01	50.00	50.00	2.00	83.20	14.80	83.20	50.18	10:01:40	49.77	06:14:30	50.10	0:00	49.91	0:00
17-Oct	49.96	49.97	49.99	50.03	49.97	49.99	5.40	78.90	15.60	78.90	50.16	16:03:00	49.85	11:15:00	50.10	0:00	49.87	0:00
18-Oct	49.98	50.00	50.00	50.03	50.00	50.00	0.90	80.90	18.20	80.90	50.22	13:01:10	49.83	16:39:50	50.10	0:00	49.92	0:00
19-Oct	49.97	49.99	50.00	49.99	49.99	49.99	3.90	84.00	12.10	84.00	50.26	13:02:00	49.77	00:33:30	50.16	0:00	49.87	0:00
20-Oct	49.97	49.99	50.01	50.01	50.03	50.00	3.50	79.90	16.60	79.90	50.15	13:02:10	49.81	05:12:40	50.09	0:00	49.90	0:00
21-Oct	49.99	49.98	50.00	50.00	50.01	50.00	5.70	74.20	20.10	74.20	50.23	13:04:40	49.80	14:56:10	50.09	0:00	49.87	0:00
22-Oct	50.00	49.99	50.00	50.01	50.02	50.00	2.40	76.50	21.10	76.50	50.17	13:01:40	49.83	11:16:00	50.17	0:00	49.92	0:00
23-Oct	49.98	50.01	50.00	50.00	50.00	50.00	2.50	77.20	20.30	77.20	50.31	13:03:50	49.83	16:56:30	50.17	0:00	49.90	0:00
24-Oct	49.98	49.97	50.01	50.02	50.03	50.00	5.93	69.43	24.64	69.43	50.24	13:02:20	49.67	07:07:20	50.10	0:00	49.75	0:00
25-Oct	49.99	49.98	50.00	50.03	50.05	50.00	4.80	71.60	23.60	71.60	50.17	17:04:00	49.78	06:42:20	50.12	0:00	49.85	0:00
26-Oct	50.02	50.01	50.02	49.99	50.01	50.01	1.70	73.60	24.80	73.60	50.27	13:17:40	49.77	20:49:50	50.19	0:00	49.90	0:00
27-Oct	49.97	50.01	50.01	50.00	50.02	50.00	2.60	73.70	23.70	73.70	50.20	14:02:30	49.80	17:56:40	50.14	0:00	49.89	0:00
28-Oct	50.00	50.01	50.00	49.98	50.00	50.00	3.00	82.30	14.70	82.30	50.19	17:02:50	49.83	03:16:50	50.10	0:00	49.91	0:00
29-Oct	49.99	49.98	50.00	50.00	50.02	50.00	4.04	76.73	19.23	76.73	50.16	11:01:20	49.76	14:54:40	50.08	0:00	49.87	0:00
30-Oct	50.00	49.99	49.99	49.97	49.96	49.98	4.60	83.70	11.70	83.70	50.16	13:02:40	49.78	14:30:10	50.06	0:00	49.88	0:00
31-Oct	49.99	49.97	50.00	49.98	49.99	49.99	5.40	83.10	11.50	83.10	50.16	17:03:10	49.79	17:42:50	50.10	0:00	49.84	0:00
MAX	50.04	50.04	50.05	50.03	50.05	50.03	6.10	84.00	38.50	84.00	50.31		49.90		50.19		49.94	
MIN	49.96	49.97	49.97	49.97	49.96	49.98	0.00	61.50	11.50	61.50	50.14		49.67		50.01		49.75	
AVG	49.99	50.00	50.00	50.00	50.00	50.00	3.28	77.07	19.65	77.07	50.19		49.80		50.10		49.88	

SUMMARY:

Avg. Frequency : **50.0 Hz.**

Instantaneous Frequency :

Maximum Frequency : 50.31 Hz at 13:03 Hrs.

Minimum Frequency : 49.67 Hz at 07:07 Hrs.

15 Minutes Integrated Frequency :

Maximum Frequency : 50.19 Hz On 00/01/00 at 00:00 Hrs.

Minimum Frequency : 49.75 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	3.28	77.07	19.65

VOLTAGE ANALYSIS

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

(All figs. in kV)

PGCIL	BINAGURI		MAITHON		JEERAT		BIHARSHARIFF	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	429	402	423	398	423	389	420	389

PGCIL	MUZAFFARPUR		JAMSHEDPUR		ROURKELA		JEYPORE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	422	391	417	401	424	389	423	404

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

Oct-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	
			(31-10-19)	(31-10-18)		
Hirakud	192	180	192.01	191.16	192.02	01.10.19
Balimela	462	439	461.86	460.77	461.16	01.10.19
Rengali	123	109	124.05	118.75	123.98	01.10.19
Upperkolab	858	844	857.25	855.96	856.34	01.10.19
Indravati	642	625	640.79	639.46	641.02	01.10.19
Subernrekha	590	580	588.29	586.10	588.75	01.10.19

B.

CPP/IPP IMPORT by Eastern Region Constituents during

Oct-19

(All figs. are in MU)

System	Tata Power	Cresent Power	JSPL, Angul	Sterlite	Jindal	NALCO	TISCO	Others	Total
JUVNL	0	0	0	0	0	0	0	0	52.59
West Bengal	63.30	0.00	0	0	0	0	0	33.08	96.38
ODISHA	0	0	34.38	6.09	6.09	0.00	0	368.99	415.53
DVC	0	0	0	0	0	0	41.51	0	41.51
TOTAL	63.30	0.00	34.38	6.09	6.09	0.00	41.51	402.06	606.01

C.

Distribution of Schedule Supply among Key Customers by IPPs during

Oct-19

(All figs. are in MU)

IPP	TPDDL	WBSEDCL/ WBPDCCL	DVC	Sale at IEX/NPCL	ODISHA	JSEB	CTU/Others	Total (Excl. Tr. Loss)
MPL	170.13	125.86	98.81	0.00	0	0	126.32	521.12
Sterlite	0	0	0	0	0.00	0	0.00	0.00
APNRL	0	37.79	0	1.81	0.00	105.70	55.85	201.15
Total	170.13	163.65	98.81	1.81	0.00	105.70	182.17	722.27

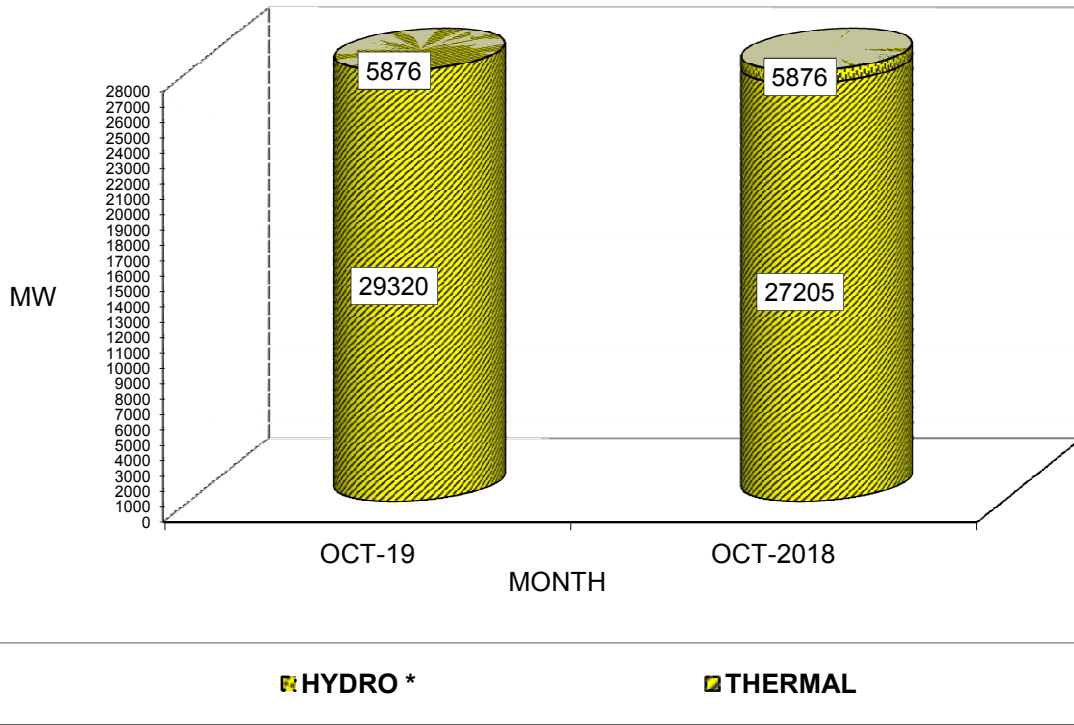
Task/ Works performed by ERPC during OCTOBER, 2019

Sl. No.	Period	Date of Report
1	URS Augsut-19	01.10.2019
2	DSM, RRAS, FRAS & AGC Accounts 260819-010919	03.10.2019
3	SCED Account 260819-010919	03.10.2019
4	REA September 2019	03.10.2019
5	DC-MPL-September 2019	03.10.2019
6	DC- Teesta III – September 2019	03.10.2019
7	VAR Account 260819-010919	03.10.2019
8	Bilateral REA for September -2019	04.10.2019
9	REA Bhutan September-19	04.10.2019
10	RTA for September-2019	09.10.2019
11	Progress Report-August 2019	09.10.2019
12	Provisional Power Supply Position for the month of September-19	10.10.2019
13	Compensation Statement for May-19, June-19 & July-19	10.10.2019
14	DSM, RRAS, FRAS & AGC Accounts 020919-080919	11.10.2019
15	SCED Account 020919-080919	11.10.2019
16	VAR Account 020919-080919	11.10.2019
17	AS-3 Format 16.10.19-15.11.19	14.10.2019
18	DSM, RRAS, FRAS & AGC Accounts 090919-150919	15.10.2019
19	SCED Account 090919-150919	15.10.2019
20	VAR Account 090919-150919	15.10.2019
21	Revised Compensation Statement for MPL for June-19 & July-19	16.10.2019
22	VAR Account 160919-220919	16.10.2019
23	DSM, RRAS, FRAS & AGC Account 160919-220919	16.10.2019
24	SCED Account 160919-220919	16.10.2019
25	RTA July-2017(Rev-III), August-2017(Rev-II) & September-2017(Rev-I)	16.10.2019
26	RTA October-2017(Rev-I), November-2017(Rev-I) & December-2017(Rev-I)	16.10.2019
27	FARAKKA-III Re-allocation of share w.e.f 19.10.2019 on allocation of 25 MW to Assam.	18.10.2019
28	RTA January'18(Rev-II), February'18(Rev-I) & March'18(Rev-I)	18.10.2019
29	DSM, RRAS, FRAS & AGC Accounts 230919-290919	22.10.2019
30	SCED Account 230919-290919	22.10.2019
31	Revised RTA for the period April'2018 to March'2019	22.10.2019
32	Revised RTA for the period April'2019 to September'2019	22.10.2019
33	Revised RTDA for the month of February'2019	22.10.2019
34	VAR Account 230919-290919	22.10.2019
35	Rev of Bilateral Transaction in Sept,19	23.10.2019
36	Provisional Power Supply Position for the month of September-19	29.10.2019
37	VAR Account 300919-061019	31.10.2019
38	Progress Report-September 2019	31.10.2019
39	DSM, RRAS, FRAS & AGC 300919-061019 & Dev of Bhutan Power of Sept'19	31.10.2019
40	SCED Account 300919	31.10.2019

List of Meetings / Workshops held during OCTOBER, 2019

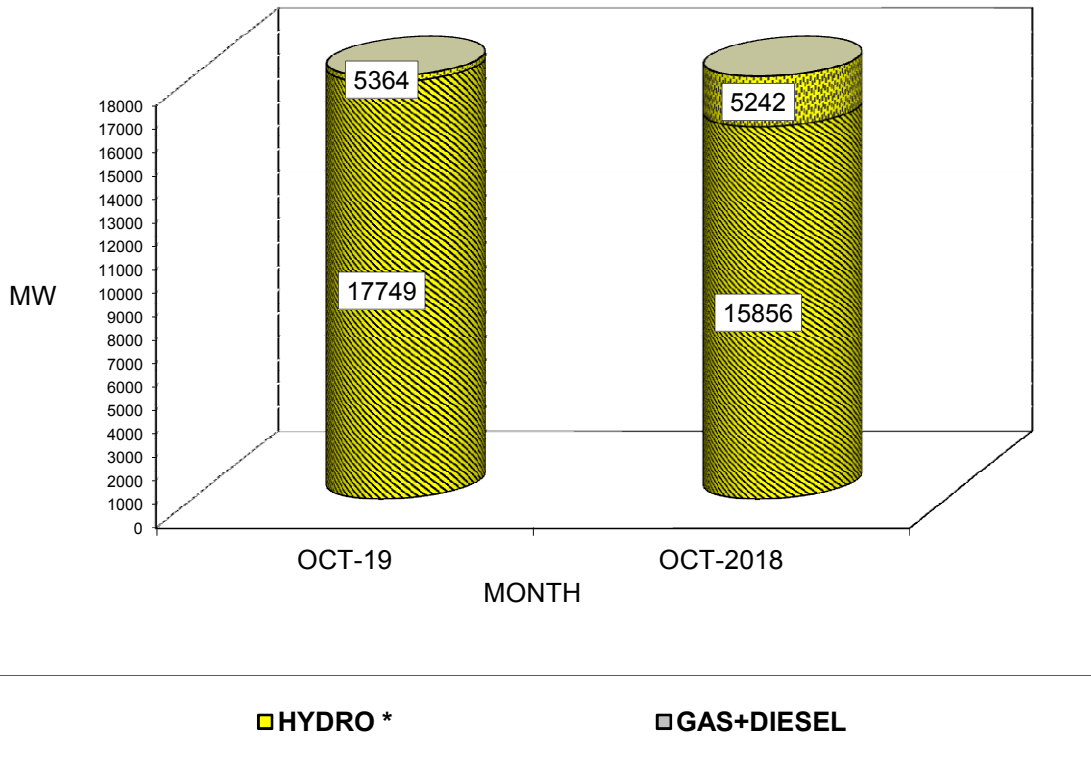
Sl. No.	Description	Date	Venue
1	OCC Shutdown Meeting	18.10.2019	ERLDC, Kolkata
2	Meeting with NPTI	21.10.2019	ERPC, Kolkata
3	162nd OCC Meeting	22.10.2019	ERPC, Kolkata
4	84th PCC Meeting	23.10.2019	ERPC, Kolkata
5	TeST Meeting of ERPC	24.10.2019	ERPC, Kolkata
6	1st U-NMS Meeting	24.10.2019	ERPC, Kolkata
7	2nd OPGW Provisioning Technical Committee Meeting	24.10.2019	ERPC, Kolkata
8	3rd Committee Mtg. on Tr. Availability	24.10.2019	ERPC, Kolkata
9	Meeting related to shutdown of ICT at Maithon	25.10.2019	ERPC, Kolkata

EFFECTIVE CAPACITY OF EASTERN REGIONAL GRID



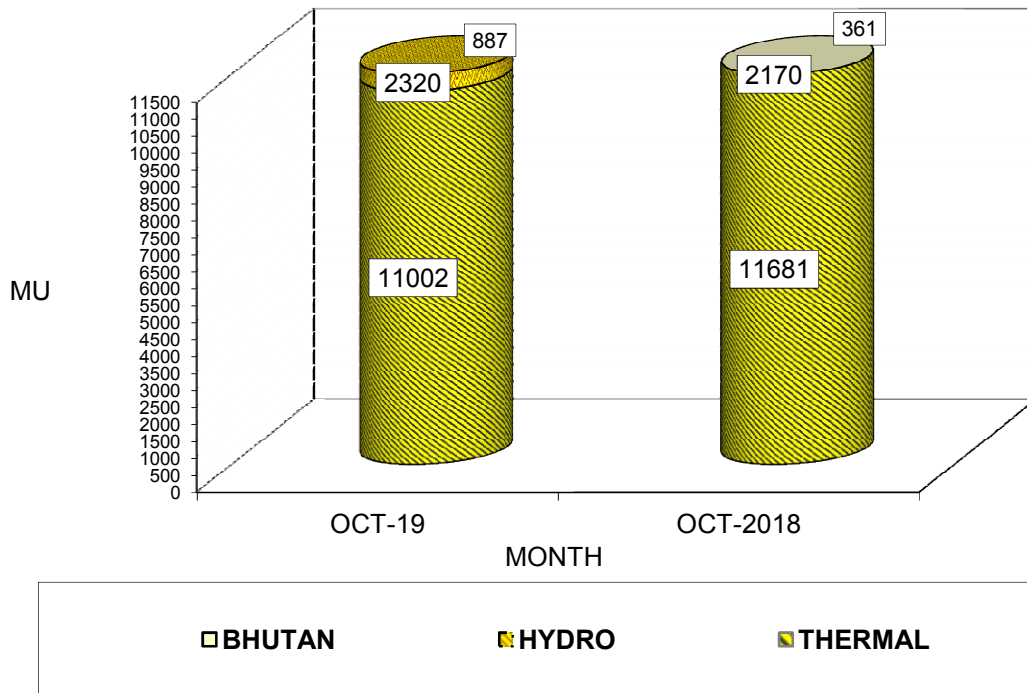
*Excludes 1350 MW contribution from HEPs of Bhutan

GENERATION CORRESPONDING TO PEAK DEMAND MET

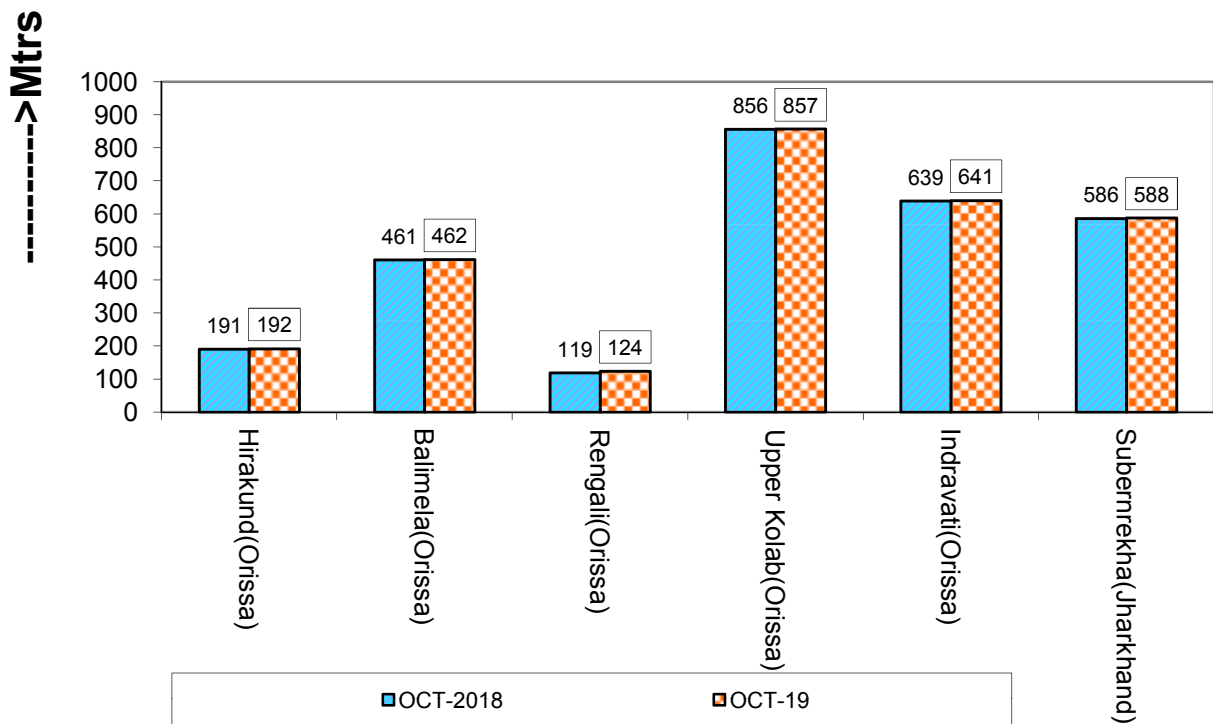


*Includes contribution from HEP of Bhutan

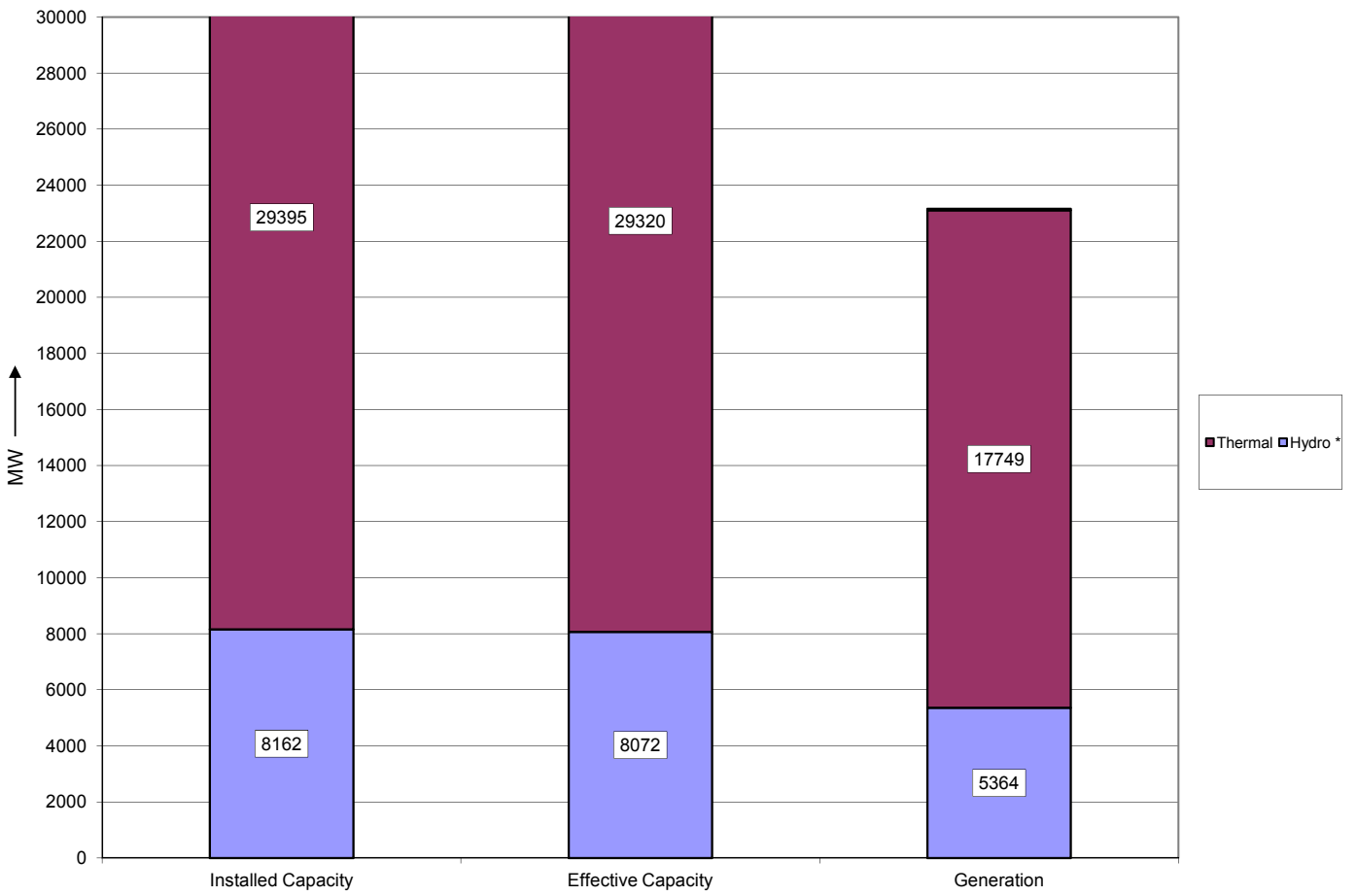
NET ENERGY GENERATION



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

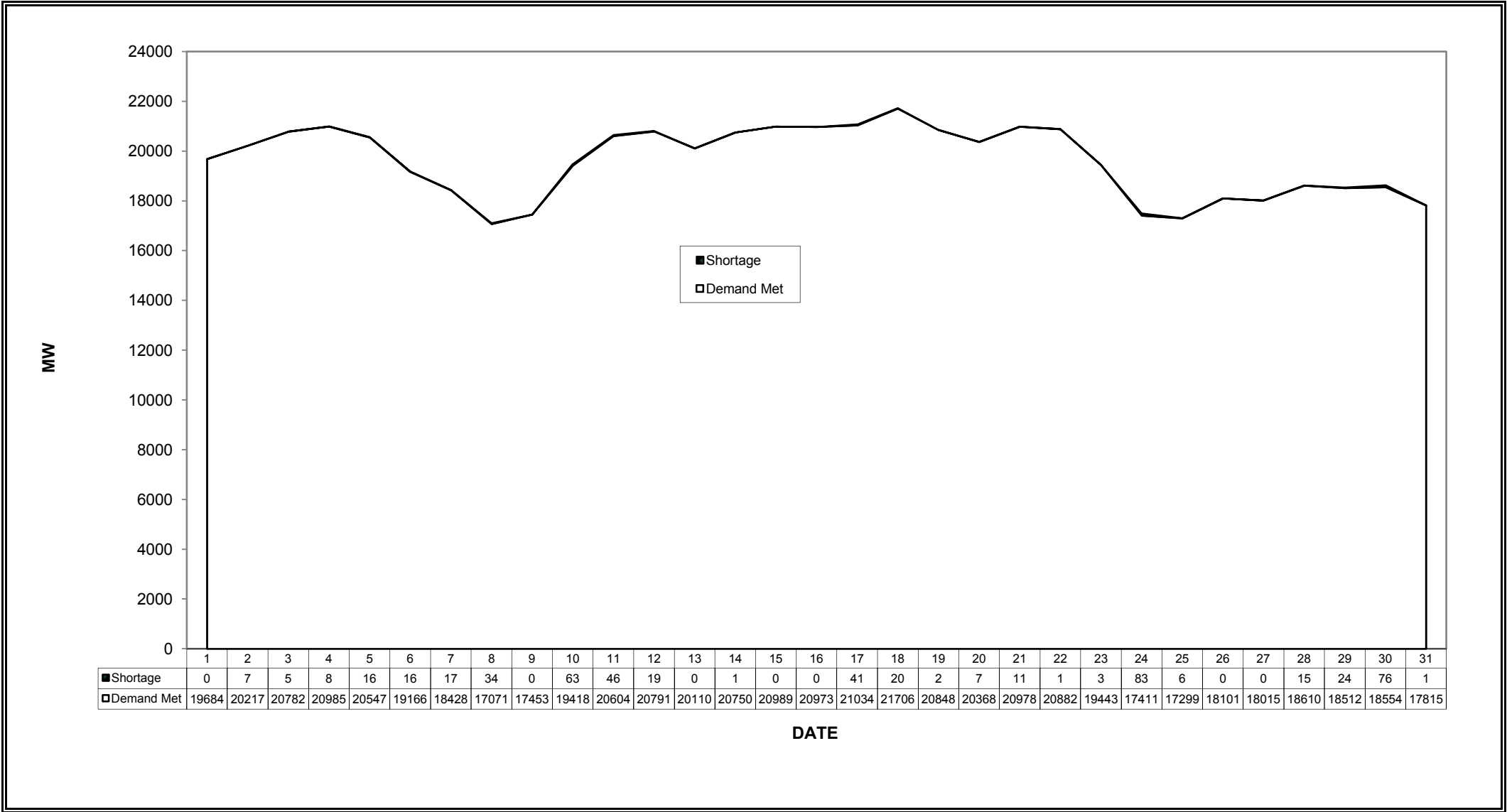


Capacity / Actual Generation Pattern of ER on Peak Day (18-10-2019) at 20.00 hrs.

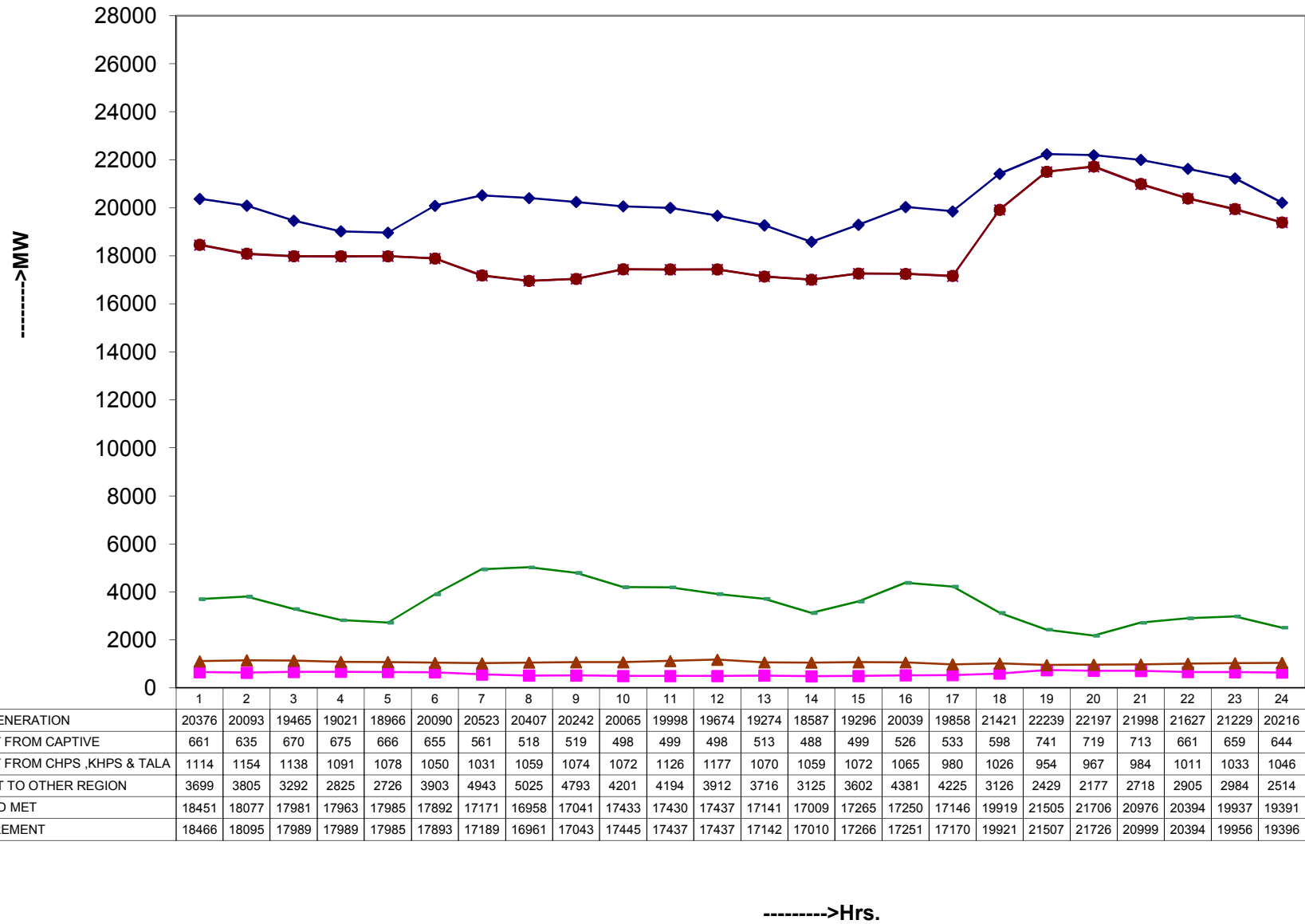


(*)--Includes contribution from HEP of Bhutan (Chukka, Kurichhu & Tala)

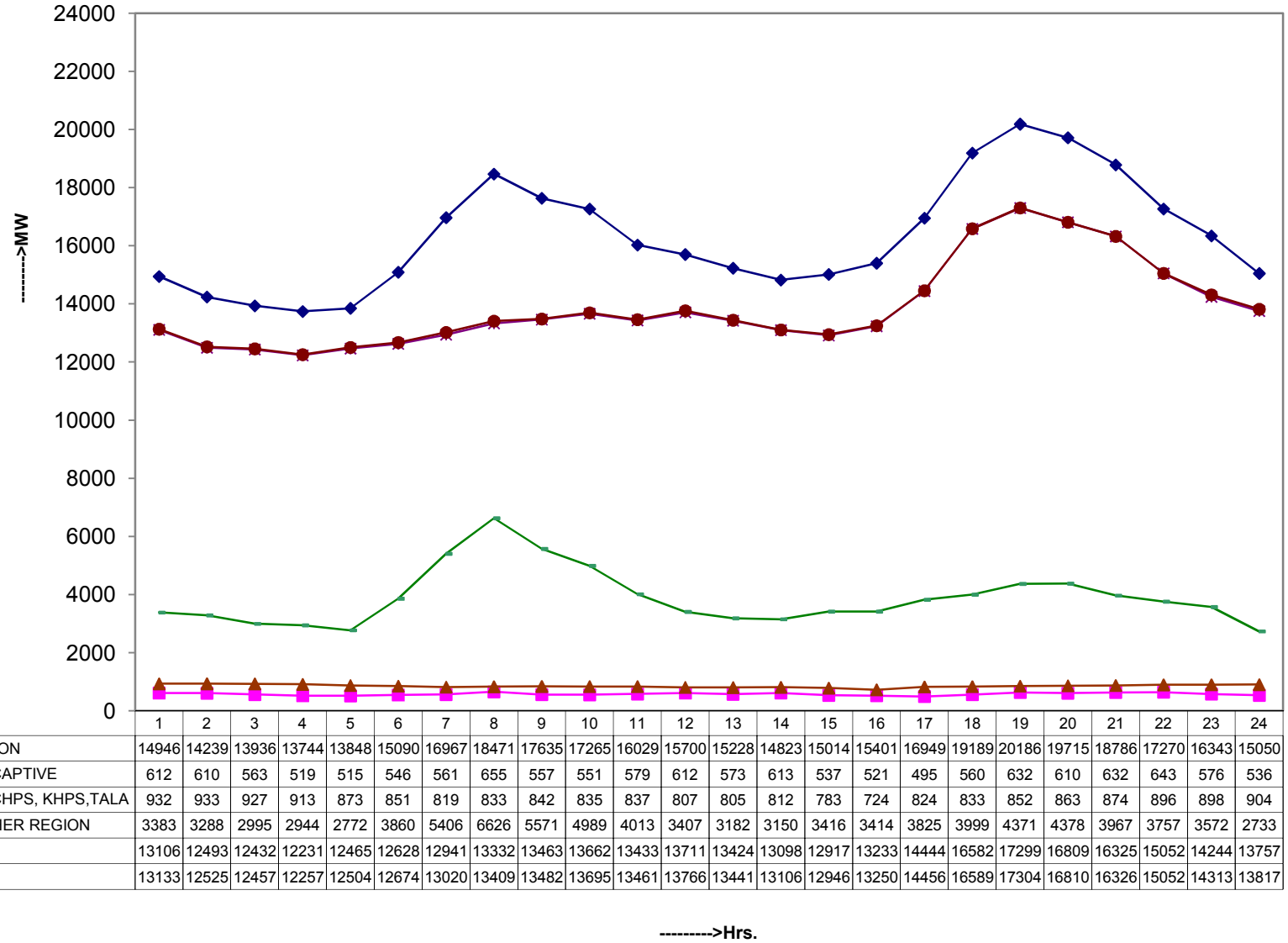
Peak Demand Met / Shortage of Eastern Region For The Month Of OCT'2019



Hourly Load Generation Data OF ER On Regional Peak Day During The Month of OCT'2019 (18-10-2019)

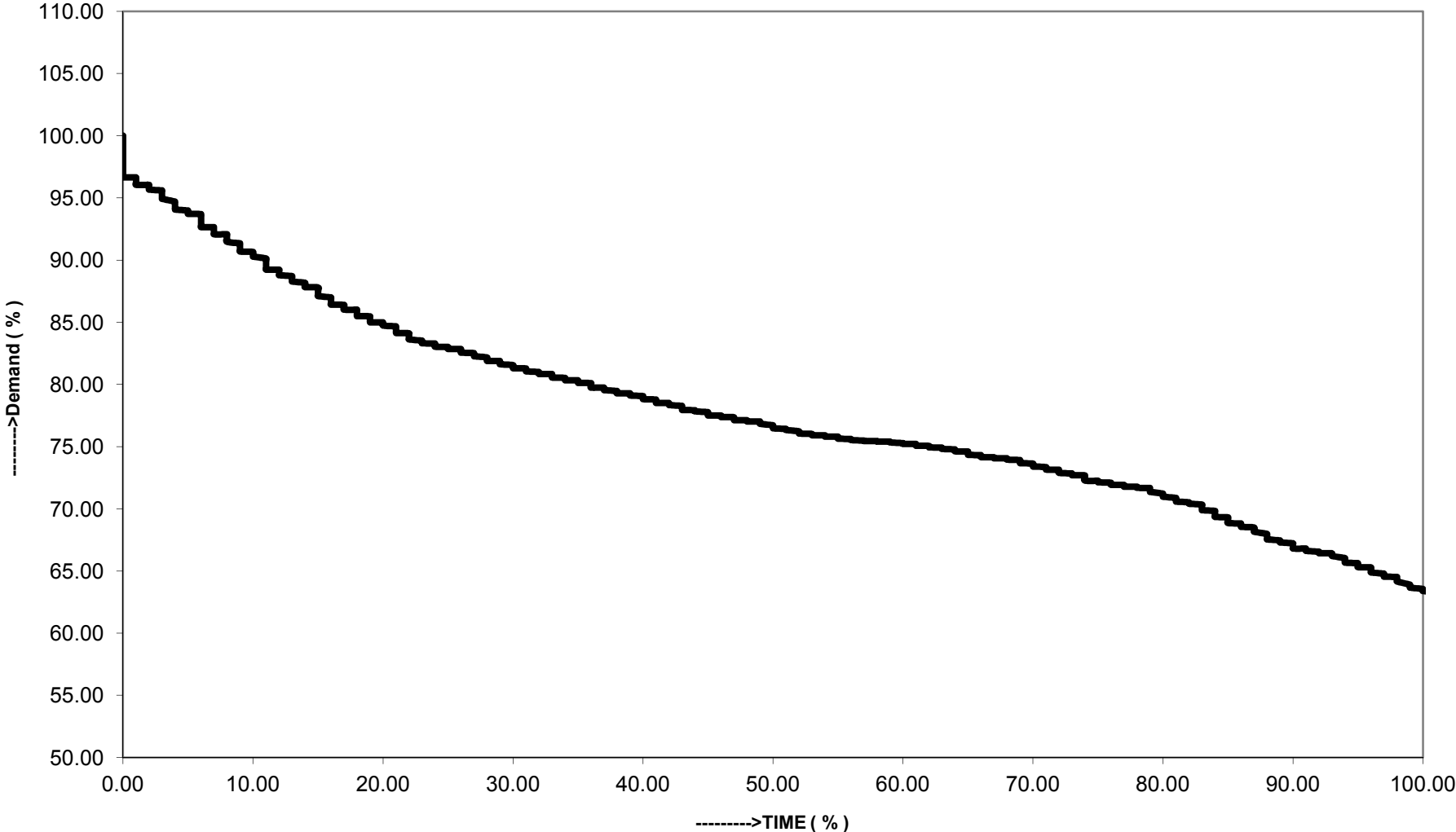


Hourly Load Generation Data of ER On Regional Lean Day During The Month of OCT'2019 (25-10-2019)



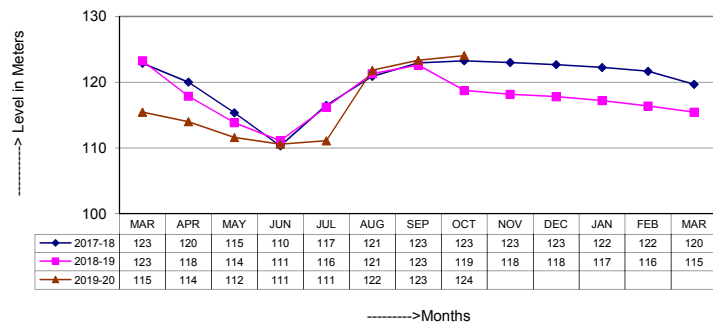
Monthly Load Duration Curve of Eastern Region for OCT-19

Maximum Demand met : 21706 MW
Minimum Demand met: 12231 MW

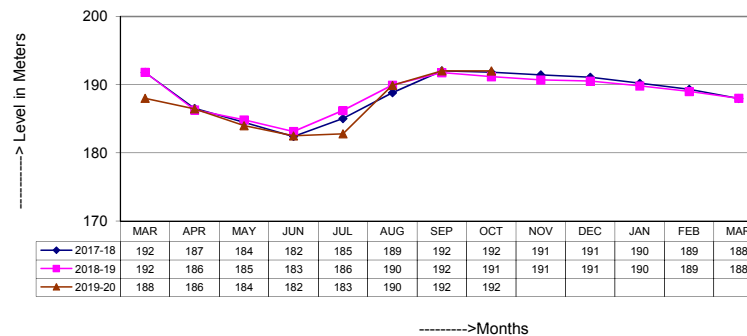


WATER LEVEL IN MAJOR RESERVOIRS ON LAST DATE OF MONTH

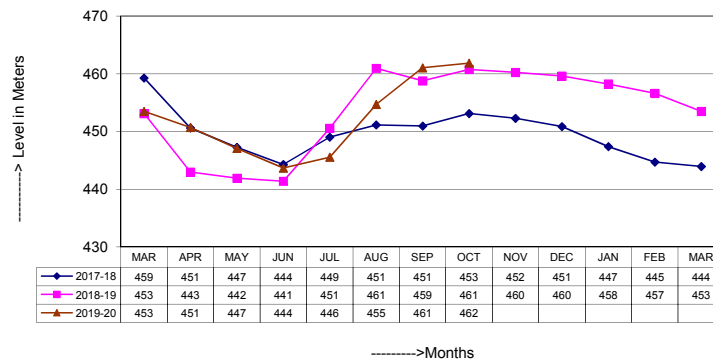
RENGALI RESERVOIR LEVEL



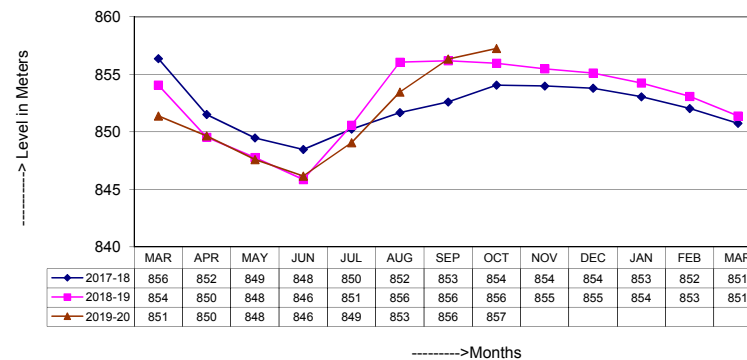
HIRAKUD RESERVOIR LEVEL



BALIMELA RESERVOIR LEVEL



UPPER KOLAB RESERVOIR LEVEL



INDRAVATI RESERVOIR LEVEL



SUBERNREKHA RESERVOIR LEVEL

