



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

दिसंबर- 2018

December-2018



14, गोल्फ क्लब रोड, टोलीगंज

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Highlights of Eastern Regional Power System for December-2018

- The **Maximum Net Demand** met of **Eastern Region (ER)** during the month of **Dec, 2018** was **18023 MW** which is 1.04% more than the **Dec, 2017** (17837 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 **Dec, 2018** was **340.51 MU** excluding export, which is 3.33% more than the corresponding period of last year (329.54 MU).
- The **Average regional PLF of thermal units during the month** is **62.30%**, which is 5.54% more than the corresponding period of the last year (**56.76%**).
- NTPC (TTPS) registered the highest **PLF** of **98.18%**, followed by NTPC (Barh STPS-II) 92.76% NTPC (KhSTPP-I) 90.24%, and NTPC (FSTPP# I-II) 90.16% during the month of **Dec, 2018**.
- **Maximum Net generation** of ER was **20136 MW** against total **Effective Capacity of 35328.43 MW** (including import from Bhutan). At the time of Regional peak (18023 MW on 15.12.2018 at 19.00 hrs.) the generation was 19549 MW and import from CPP was 1032 MW, Net export was 2558 MW.
- The system frequency in the IEGC recommended band (49.9 Hz to 50.05 Hz) remained for 76.9% of time during the month. **Average frequency** for the month was **49.96 Hz**. The instantaneous maximum and the minimum frequency touched were 50.25 Hz and 49.67 Hz respectively. The integrated (Fifteen minutes time block average) maximum and minimum frequency were **50.15 Hz** and **49.73Hz** respectively (**refer Annexure-I**).
- The **Maximum Voltage** recorded **430 KV** at Jeerat 400 KV S/s whereas the minimum voltage recorded 389 KV at Muzaffarpur 400 KV S/s of Power grid.
- The **Maximum Export from ER to outside region** was **6608 MW (including Nepal and Bangladesh)** on **18th December, 2018** at **08:00 hrs**. Total net energy export during the month was **2678.02 MU** which is corresponds to **21.24 %** of ex-bus total generation **12606.73 MU** of Eastern Region.
- The import from CPPs was **626.97 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	4058	0	1749.94
WR	507	2307	-625.09
SR	2675	0	1165.12
NER	958	859	-127.72
BANGLADESH	700		
NEPAL (via-CTU)	283		
Total(Net)	5915		2678.02
NEPAL by Bihar(NBPDCL)			

SALIENT FEATURES

(YEAR TO YEAR COMPARISION)

		Dec-18	DEC-2017	CHANGE	% CHANGE
1)	Effective Capacity (end of the Month)				
	THERMAL (MW)	27090	28760	-1670	-5.81
	HYDRO (MW)	5876	\$ 5947	-71	-1
	DIESEL (MW)	0	7	-7	0
	RES (MW)	886	10	0	0
	TOTAL (MW)	33852	34724	-872	-2.51
2)	Peak Demand (MW)	18049	18179	-130	-0.72
3)	Peak Demand Met (MW)	18023	17837	186	1.04
4)	Shortage (MW)	25	342	-317	-92.62
5)	% Shortage	0.14	1.88	-1.74	-92.56
6)	Average Energy Requirement Per Day (MU)	342.17	330.13	12.04	3.65
7)	Average Energy Availability Per Day (MU)	340.51	329.54	10.97	3.33
8)	Average Shortage Per Day (MU)	1.66	0.59	1.07	181.82
9)	% Shortage	0.49	0.56	-0.07	-13.22
10)	Net Generation for the Month				
	Thermal (MU)	11600.13	11186.18	413.95	3.70
	Hydro (MU)	943.93	* 844.86	99.07	11.73
	RES (MU)	62.66	0.00	0.00	-
	Total (MU)	12606.73	12044.51	562.22	4.67
11)	Generation at the Time of Max. Regional Demand Met (15-12-18 at 19.00 Hrs.)				
	Thermal (MW)	16335	16482	-147	-0.89
	Hydro (MW)	3194	* 3540	-346	-9.77
	RES(MW)	20	0	20	-
	Total (MW)	19549	20022	-473	-2.36
12)	Inter-Regional Energy Transfer				
	Export (MU)	3430.83	3062.18	368.65	12.04
	Import (MU)	752.82	639.49	113.33	17.72
	Net Exp.(+)/Net Imp.(-) (MU)	2678.02	2422.69	255.33	10.54
13)	Import From Captive(MU)	626.96	1326.05	-699.09	-52.72
14)	Peak Inter Regional Power Transfer				
	Max Export (MW) on 18-12-18 at 08.00Hrs	6608	6026	582	9.66
	Max Import (MW) on 14-12-18 at 22.00Hrs	2809	2726	83	3.03
	Max Net Export(+)/Import (-) (MW)	5915	5632	283	5.02
15)	Maximum voltage recorded	430	JEERAT	400 kv	s/s
16)	Minimum voltage recorded	389	MUZAFFARPUR	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 DECEMBER'2018

A) Net Average Energy Per Day

System	Demand Met (MU/Day)	Requirement (MU/Day)	Shortage (MU/Day)	% Shortage
BSPHCL	71.70	71.97	0.27	0.38
JUVNL	23.44	24.68	1.24	5.04
DVC	61.42	61.75	0.33	0.54
ODISHA	73.16	73.25	0.09	0.12
WBSEDCL	80.68	80.95	0.27	0.33
CESC	21.82	21.84	0.03	0.12
DPL	6.02	6.02	0.01	0.12
SIKKIM	1.71	1.71	0.00	0.12
REGION	340.51	342.17	1.66	0.49

B) Peak Demand in MW:

System	Demand Met (MW)	Requirement (MW)	Shortage (MW)	% Shortage
BSPHCL	4151	4155	4	0.10
JUVNL	1291	1292	1	0.10
DVC	2957	2958	1	0.04
ODISHA	4042	4048	6	0.15
WBSEDCL	4688	4705	17	0.37
CESC	1346	1348	2	0.2
DPL	289	290	0	0.11
SIKKIM	106	106	0	0.00
REGION	18023	18049	25	0

➤ **DIVERSITY FACTOR** **1.05**

➤ **Regional Peak Demand Met on 15-12-2018 at 19.00 hrs. at 49.96 Hz.**

CONSTITUENT-WISE PERFORMANCE DATA DECEMBER-18

SYSTEM	Gross Generation(MU)				Auxiliary power Consumption(MU)				Net Generation (MU)				Import from	Exchange	Energy	Per Day	Net Peak	Gross Peak
	HYDRO	Thermal	RES (Hy+Solar)	Total	HYDRO	Thermal	Solar	Total	HYDRO	Thermal	Solar	Total	Captive (MU)	Net Import(+) Net Export(-)	Consumption(MU)	Cons.(MU)	Demand	Demand
																	Met (MW)	Met (MW)
BSPHCL	0.00	79.84	42.20	122.03	0.00	9.13	0.00	9.13	0.00	70.71	42.20	112.90	0.00	2109.70	2222.61	71.7	4151	4160
JUVNL	1.31	181.11	0.00	182.42	0.00	21.36	0.00	21.36	1.31	159.75	0.00	161.06	46.84	518.63	726.53	23.4	1291	1320
DVC	6.95	2714.26	0.00	2721.22	0.07	205.28	0.00	205.34	6.89	2508.99	0.00	2515.87	13.79	-625.78	1903.88	61.4	2957	3224
ODISHA(OPGC+OHPC+TTPS)	397.54	614.86	17.87	1030.26	2.82	62.78	0.00	65.60	394.72	552.08	17.87	964.66	443.51	859.69	2267.85	73.2	4042	4144
WBPDCI+WBSEDCL	117.33	1744.02	0.00	1861.35	0.00	172.76	0.00	172.76	117.33	1571.26	0.00	1688.59	122.83	689.61	2501.04	80.7	4688	4979
DPL	0.00	154.56	0.48	155.04	0.00	18.01	0.00	18.01	0.00	136.55	0.48	137.02	0.00	49.51	186.53	6.0	289	314
CESC	0.00	398.81	0.00	398.81	0.00	32.00	0.00	32.00	0.00	366.81	0.00	366.81	0.00	309.48	676.29	21.8	1346	1390
HEL	0.00	373.35	0.00	373.35	0.00	27.47	0.00	27.47	0.00	345.88	0.00	345.88	0.00	-345.88				
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	51.91	52.91	1.7	106	106
NTPC	0.00	4675.99	0.00	4675.99	0.00	309.93	0.00	309.93	0.00	4366.07	0.00	4366.07	0.00	-4366.07				
MPL	0.00	694.21	0.00	694.21	0.00	37.25	0.00	37.25	0.00	656.96	0.00	656.96	0.00	-656.96				
APNRL	0.00	212.54	0.00	212.54	0.00	17.44	0.00	17.44	0.00	195.10	0.00	195.10	0.00	-195.10				
GMR	0.00	405.41	0.00	405.41	0.00	23.31	0.00	23.31	0.00	382.10	0.00	382.10	0.00	-382.10				
JITPL	0.00	307.29	0.00	307.29	0.00	19.40	0.00	19.40	0.00	287.89	0.00	287.89	0.00	-287.89				
NHPC (Inc TLDP= 40.33 MU)	155.40	0.00	0.00	155.40	0.00	0.00	0.00	0.00	155.40	0.00	0.00	155.40	0.00	-155.40	0.00			
CHPC(Birpara Receipt)	15.26	0.00	0.00	15.26	0.00	0.00	0.00	0.00	15.26	0.00	0.00	15.26	0.00	-15.26	0.00			
KHPS	-11.17	0.00	0.00	-11.17	0.00	0.00	0.00	0.00	-11.17	0.00	0.00	-11.17	0.00	11.17	0.00			
THPS	12.20	0.00	0.00	12.20	0.00	0.00	0.00	0.00	12.20	0.00	0.00	12.20	0.00	-12.20	0.00			
DAGACHU HPS	15.42	0.00	0.00	15.42	0.00	0.00	0.00	0.00	15.42	0.00	0.00	15.42	0.00	-15.42	0.00			
CHUZACHEN HPS	11.07	0.00	0.00	11.07	0.00	0.00	0.00	0.00	11.07	0.00	0.00	11.07	0.00	-11.07	0.00			
JORHANG HPS	13.53	0.00	0.00	13.53	0.00	0.00	0.00	0.00	13.53	0.00	0.00	13.53	0.00	-13.53	0.00			
TEESTA-III HPS	184.97	0.00	0.00	184.97	0.00	0.00	0.00	0.00	184.97	0.00	0.00	184.97	0.00	-184.97	0.00			
DIKCHU HPS	11.10	0.00	0.00	11.10	0.00	0.00	0.00	0.00	11.10	0.00	0.00	11.10	0.00	-11.10	0.00			
TASHIDING HPS	15.94	0.00	0.00	15.94	0.00	0.00	0.00	0.00	15.94	0.00	0.00	15.94	0.00	-15.94	0.00			
TALCHER SOLAR	0.00	0.00	1.12	1.12	0.00	0.00	0.00	0.00	0.00	0.00	1.12	1.12	0.00	-1.12				
Total Drawal by HVDC Sahsaram,Alipurduar,BRBCL,Indbharat and OPGC														18.08	18.08			
Total	946.86	12556.25	62.66	13565.77	2.89	956.11	0.00	959.00	943.97	11600.13	62.66	12606.77	626.97	-2678.02	10555.72	340.5	18023	19374

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	-	-	-	-	-
FEBRUARY	361.36	364.11	2.75	0.76	49.98	-	-	-	-	-
MARCH	393.97	396.42	2.45	0.62	49.97	-	-	-	-	-

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	-	-	-	-	-
FEBRUARY	18918	19196	278	1.47	49.98	-	-	-	-	-
MARCH	20567	20951	384	1.87	49.97	-	-	-	-	-

	FROM	Cumulative from		01-Apr-18		to		31/Dec/18		During December-18				
		ENTITLEMENT (EX-BUS)	DRAWAL SCHEDULE (EX-BUS)	BILATERAL [EXPORT(-) / IMPORT(+)] (EX-SELLER BUS)	NET DRAWAL SCHEDULE (AFTER LOSS)	ACTUAL DRAWAL FROM GRID	ENTITLEMENT (EX-BUS)	DRAWAL SCHEDULE (EX-BUS)	BILATERAL [EXPORT(-) / IMPORT(+)] (EX-SELLER BUS)	NET DRAWAL SCHEDULE (AFTER LOSS)	ACTUAL DRAWAL FROM GRID			
BSPHCL	FARAKKA STPS I	2614.74	2515.05				335.95	378.09						
	FARAKKA STPS III	733.22	664.24				86.09	73.90						
	KAHALGAON STPS I	1916.25	1701.44				225.73	221.51						
	KAHALGAON STPS II	400.33	423.24				51.09	54.61						
	TALCHER STPS I	2030.26	2021.35				110.81	110.81						
	MTPS-II	1361.54	1273.29				185.76	170.15						
	BRBCL	166.28	162.03				31.41	31.54						
	Rly BRBCL	167.66	151.73				32.87	31.20						
	BARH STPS II	5685.67	5391.86				672.42	668.39						
	RANGIT HEP	103.68	220.44				6.05	6.05						
	CHUKHA HEP	254.16	420.36				0.00	0.00						
	KIRUCHHU HEP	0.00	0.00				0.00	0.00						
	TALA HPS	815.14	647.78				16.71	0.42						
	TEESTA HEP	491.57	491.57				19.17	19.17						
	TOTAL	16740.52	16084.37	6630.80	22576.11	22479.95	1774.06	1765.84	387.69	2079.10	2067.30			
JUVNL	FARAKKA STPS I	714.05	647.28				91.73	85.54						
	FARAKKA STPS III	466.62	383.82				55.02	54.68						
	KAHALGAON STPS I	146.56	155.26				17.26	17.04						
	KAHALGAON STPS II	100.38	130.44				12.81	15.30						
	TALCHER STPS I	377.43	373.38				20.58	20.58						
	MTPS-II	62.35	63.86				8.51	8.41						
	BARH STPS II	529.42	458.52				62.61	53.47						
	RANGIT HEP	39.50	39.50				2.31	2.31						
	CHUKHA HEP	92.13	152.36				0.00	0.00						
	KIRUCHHU HEP	0.00	0.00				0.00	0.00						
	TALA HPS	366.33	281.13				7.51	0.19						
	TEESTA HEP	285.31	285.31				11.12	11.12						
	TOTAL	3180.08	2970.87	1074.27	4603.16	4756.04	289.46	268.64	156.50	487.86	508.21			
DVC	FARAKKA STPS I	16.79	0.00				0.00	0.00						
	FARAKKA STPS III	144.77	164.87				6.26	6.06						
	KAHALGAON STPS I	0.00	0.00				0.00	0.00						
	KAHALGAON STPS II	1.84	0.00				0.00	0.00						
	TALCHER STPS I	15.71	20.46				0.68	0.66						
	MTPS-II	75.87	60.75				6.44	6.33						
	BRBCL	306.42	327.42				49.31	51.37						
	RANGIT HEP	37.69	29.62				1.73	1.73						
	CHUKHA HEP	86.00	147.13				0.00	0.00						
	KIRUCHHU HEP	50.20	32.54				0.00	0.00						
	TALA HPS	186.22	140.73				3.63	0.09						
	TEESTA HEP	297.48	199.76				7.79	7.78						
	TOTAL	1091.60	1123.28	-10067.79	-8780.29	-8132.06	75.84	74.02	-866.25	-685.15	-625.78			
GRIDCO	FARAKKA STPS I	1181.18	1171.60				151.76	147.80						
	FARAKKA STPS III	474.43	445.25				55.67	49.62						
	KAHALGAON STPS I	722.19	699.03				85.07	87.34						
	KAHALGAON STPS II	210.66	319.59				26.89	46.07						
	TALCHER STPS (Stg-I)	1596.47	1588.59				86.88	86.88						
	TALCHER STPS (Stg-II)	0.00	0.00				0.00	0.00						
	MTPS-II	154.86	11.86				21.13	0.99						
	BARH STPS II	1098.16	1020.39				129.88	128.58						
	RANGIT HEP	0.00	0.00				0.00	0.00						
	CHUKHA HEP	169.60	215.50				0.00	0.00						
	KIRUCHHU HEP	0.00	0.00				0.00	0.00						
	TALA HPS	135.85	116.37				2.78	0.07						
	TEESTA HEP	476.08	476.08				18.56	18.56						
	TOTAL	6219.47	6064.25	3347.38	9881.50	10691.04	578.62	565.91	109.80	793.79	842.42			
WBSIEDCL	FARAKKA STPS I	2629.93	2537.00				346.68	344.50						
	FARAKKA STPS III	905.14	836.35				118.91	115.57						
	KAHALGAON STPS I	64.32	70.42				27.20	26.31						
	KAHALGAON STPS II	73.90	92.59				9.43	9.89						
	TALCHER STPS I	493.35	480.77				27.07	27.07						
	MTPS-II	174.96	132.28				23.87	15.40						
	RANGIT HEP	83.96	81.82				4.90	4.90						
	CHUKHA HEP	273.21	451.85				0.00	0.00						
	KIRUCHHU HEP	20.27	32.53				0.00	0.00						
	TALA HPS	1222.69	650.29				25.06	0.63						
	TEESTA HEP	553.90	554.46				21.66	21.62						
	TOTAL	6495.63	5920.36	5559.50	11577.99	12192.59	604.18	565.89	139.31	643.48	649.08			
SIKKIM	FARAKKA STPS I	135.74	121.29				17.44	14.38						
	FARAKKA STPS III	8.36	8.00				8.36	8.00						
	KAHALGAON STPS I	66.00	64.71				3.39	3.32						
	KAHALGAON STPS II	23.15	22.99				0.00	0.00						
	TALCHER STPS I	118.13	118.08				6.45	6.45						
	MTPS-II	10.07	10.03				1.37	1.37						
	BARH STPS II	98.53	93.22				11.65	10.71						
	RANGIT HEP	39.50	39.50				2.31	2.31						
	CHUKHA HEP	19.04	31.83				0.00	0.33						
	KIRUCHHU HEP	0.00	0.00				0.00	0.00						
	TEESTA HEP	304.97	304.97				11.89	11.89						
	TOTAL	823.48	814.61	-286.32	378.15	362.58	62.86	58.76	-6.34	51.36	50.87			
WR	FARAKKA STPS I	0.00	0.00				0.00	0.00						
	KAHALGAON STPS I	0.00	0.00				0.00	0.00						
	KAHALGAON STPS II	-2132.64	-1919.85				-272.18	-202.83						
	TALCHER STPS I	0.00	0.00				0.00	0.00						
	BARH STPS II	0.00	0.00				0.00	0.00						
	BRBCL	-626.02	-516.68				-100.76	-75.22						
	TOTAL	-2758.66	-2436.53	1087.53	1851.30	11605.53	-372.94	-278.05	-593.34	-36.65	625.09			
SR	FARAKKA STPS I	-170.02	-162.77				-21.84	-24.09						
	FARAKKA STPS III	-20.30	-23.39				-2.38	-2.89						
	KAHALGAON STPS I	-63.26	-77.48				-7.45	-7.48						
	KAHALGAON STPS II	-61.35	-76.73				-7.83	-10.45						
	TALCHER STPS STG-I	-76.94	-77.23				-4.20	-4.19						
	MTPS-II	-5.06	-16.95				-0.69	-3.18						
	BARH STPS II	-50.47	-56.04				-5.97	-6.60						
NR	TOTAL	-447.39	-485.46	-3618.08	-5430.56	-8840.23	-50.36	-58.88	-670.30	-1084.90	-1141.72			
	FARAKKA STPS I	-580.36	-461.51				-65.78	-46.51						
	KAHALGAON STPS I	-1397.87	-1116.36				-145.05	-119.99						
	KAHALGAON STPS II	-4487.29	-3657.99				-575.44	-494.80						
	TALCHER STPS I	0.00	0.00				0.00	0.00						
	BRBCL	-274.56	-250.23				-88.76	-94.27						
	TALA HPS	-479.50	-381.05				-9.83	-0.25						
WR+SR+NR	TOTAL	-7219.57	-5867.15	-11697.80	-10619.44	-14655.16	-884.86	-755.82	-335.76	-1132.64	-1714.44			
	(GRAND TOTAL)	-10425.62	-8789.14	-14228.35	-14198.70	-11889.85	-1308.16	-1092.75	-1599.40	-2254.19	-2231.07			
NER	FARAKKA STPS I	-275.70	-211.45				-35.42	-30.75						
	FARAKKA STPS III	-2.54	-2.66				-0.30	-0.30						
	KAHALGAON STPS I	-135.25	-143.58				-15.93	-15.54						
	KAHALGAON STPS II	-416.83	-347.49				-53.20	-52.00						
	TALCHER STPS I	-143.82	-139.75				-7.92	-7.92						
TOTAL		-974.15	-844.94	224.90	-37.79	-2604.99	-112.77	-106.51	-112.43	-76.55	127.72			

PERFORMANCE OF GENERATING STATIONS IN THE EASTERN REGION DURING THE MONTH OF DECEMBER'2018

ORGANI- SATION	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	
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	79.84	70.71	418.39	364.12	
		Thermal Total	440.00	430.00	79.84	70.71	463.25	403.59	
	RES		327.40	327.40	42.20	42.20	205.08	205.08	
		Total BIHAR	767.40	757.40	122.04	112.91	668.33	608.67	
JHARKHAND									
TVNL	Thermal	TVNL	420.00	420.00	181.11	159.75	1316.28	1148.15	
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	1.31	1.31	95.22	95.22	
	RES		29.72	29.72	0.00	0.00	0.00	0.00	
		Total	159.72	159.72	1.31	1.31	95.22	95.22	
DVC	Thermal	Bokaro-B(3)	210.00	210.00	95.33	83.25	582.10	510.17	
		Chandrapura (3)	140.00	130.00	0.00	0.00	0.00	0.00	
		Chandrapura(U7 # 8)	500.00	500.00	243.87	219.63	2882.78	2619.62	
		Durgapur(4)	210.00	210.00	111.15	98.41	716.00	624.66	
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	694.63	626.20	5111.22	4581.33	
		Mezia(U # 7,8)	1000.00	1000.00	351.08	331.91	3950.07	3741.07	
		Bokaro-A(1,2)	500.00	500.00	0.00	-2.52	2042.84	1923.03	
		Durgapur STPS (U#1,2)	1000.00	1000.00	555.09	529.30	4568.18	4336.60	
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	269.94	250.87	2106.95	1957.04	
		Koderma STPS (U#1,2)	1000.00	1000.00	393.17	371.93	4532.41	4311.03	
			Total Thermal	7100.00	7090.00	2714.26	2508.99	26492.55	24603.88
	Hydro	Maithon (U#1,2,3)	63.20	63.20	2.89	2.86	93.07	92.71	
		Panchet (U#1,2)	80.00	80.00	1.33	1.30	76.02	75.32	
	6.273		Tilaya (U#1,2)	4.00	4.00	2.74	2.73	4.49	4.44
			Hydro Total	147.20	147.20	6.95	6.89	173.58	172.43
		Total DVC	7247.20	7237.20	2721.22	2515.87	26666.13	24776.31	
WEST BENGAL									
WBPDC	Thermal	Bandel TPS	380.00	335.00	52.77	45.11	1029.55	912.40	
		Santalidih TPS(U#5&6)	500.00	500.00	286.64	262.75	2613.40	2389.54	
		Kolaghat TPS	1260.00	1260.00	402.11	359.47	3485.51	3089.95	
		Bakreswar TPP	1050.00	1050.00	578.26	525.53	5199.70	4713.66	
		Sagardighi TPP	1600.00	1600.00	424.24	378.40	4557.77	4110.77	
		Thermal Total	4790.00	4745.00	1744.02	1571.26	16885.94	15216.32	
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	10.75	10.75	181.66	181.66	
		Ramam (4x12.73)	51.00	51.00	11.58	11.58	210.25	210.25	
		Teesta C.F. (3x3x7.3)	67.30	67.30	0.00	0.00	85.46	85.46	
		Purulia PSS (4x225)	900.00	900.00	95.01	95.01	822.15	822.15	
		Total Hydro	1053.30	1053.30	117.33	117.33	1299.52	1299.52	
		RES	277.52	277.52	0.00	0.00	0.00	0.00	
DPL	Thermal	DPSP (110+300+250 *)	660.00	660.00	154.56	136.55	1772.71	1585.61	
		RES	5.00	5.00	0.48	0.48	4.59	4.59	
	➤	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 DECEMBER'2018

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	(2018-19) 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	9.33	8.46	245.57	222.91		
		Budge-Budge (3x250)	750.00	750.00	389.48	358.36	4558.75	4204.84		
		Total CESC	1125.00	1125.00	398.81	366.81	4804.31	4427.74		
HEL	Thermal	HEL	600.00	600.00	373.35	345.88	3656.11	3379.36		
		Total West Bengal	8510.82	8465.82	2788.07	2537.83	28420.24	25910.20		
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	184.09	165.43	1426.68	1272.90		
		Talcher-II	220.00	220.00	151.92	136.52	1259.34	1121.65		
		Total Thermal	470.00	460.00	336.00	301.96	2686.02	2394.54		
OPGC	Thermal	IB TPS	420.00	420.00	278.86	250.12	2309.46	2060.52		
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	15.49	15.34	337.16	335.17		
		Hirakud-II (Chiplima)	72.00	72.00	10.92	10.85	137.57	136.96		
		Balimela (6x60+2x75)	510.00	510.00	124.14	123.62	1464.75	1459.92		
		Rengali (5x50)	250.00	250.00	106.44	106.32	783.15	782.09		
		Upper Kolab (4x80)	320.00	320.00	52.09	51.20	713.75	711.18		
		Indravati HPS (4x150)	600.00	600.00	63.59	62.47	1667.98	1635.69		
		Mckd.(Odisha drawal)	57.38	57.38	24.88	24.88	189.77	189.77		
		Total Hydro	2084.88	2084.88	397.54	394.68	5294.13	5250.78		
		RES	184.30	184.30	17.87	17.87	128.08	128.08		
		Total Odisha	3159.18	3149.18	1030.26	964.62	10417.69	9833.92		
(**) SIKKIM	Hydro	RES	52.11	52.11	1.00	1.00	23.00	23.00		
NTPC		MTPS Stg-II	390.00	390.00	231.923	208.69	1710.43	1526.08		
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	1073.24	1003.83	8391.87	7815.80		
		FSTPP (U# 6)	500.00	500.00	319.46	298.78	2697.60	2516.24		
		KhSTPP (4x210+3x500)	2340.00	2340.00	1524.24	1421.27	12346.95	11459.41		
		TSTPP (2x500)	1000.00	1000.00	292.15	265.63	5347.92	4909.70		
		BARH STPS II (2X660)	1320.00	1320.00	911.00	865.72	7508.56	7118.96		
		BRBCL # I,2(2X250 MW)	500	500	323.98	302.15	1703.966	1567.56		
Total NTPC	7650.00	7650.00	4675.99	4366.07	39707.29	36913.76				
NHPC	HYDRO	Rangit (3x20)	60.00	60.00	17.85	17.85	306.33	306.33		
		Teesta (3x170)	510.00	510.00	97.22	97.22	2389.60	2389.60		
		TLDP -(4x33+4x40)	292.00	292.00	40.33	40.33	1146.73	1146.73		
		Total NHPC	862.00	862.00	155.40	155.40	3842.66	3842.66		
		MPL (U#1&2)	1050.00	1050.00	694.21	656.96	5428.62	5120.46		
		APNRL (U#1,2)	540.00	540.00	212.54	195.10	2309.74	2117.52		
		GMR (2x350)	700.00	700.00	405.41	382.10	3393.42	3198.30		
		JITPL (2X600)	1200.00	1200.00	307.29	287.89	3143.29	2924.75		
		CHUZACHEN** (2x55)	110.00	110.00	11.07	11.07	392.95	391.72		
		JORETHANG (2x48)	96.00	96.00	13.53	13.53	380.75	380.75		
		TEESTA URJA St III (6x200)	1200.00	1200.00	184.97	184.97	3756.91	3756.91		
		Tashilding (2x48.5)	97.00	97.00	15.94	15.94	388.33	388.33		
		DICKCHU (2x48)	96.00	96.00	11.10	11.10	437.52	437.52		
		TALCHER SOLAR	10.00	10.00	1.12	1.12	9.97	9.97		
		Total Thermal (E.R)	27165.00	27090.00	12556.25	11600.13	114368.98	105494.51		
		Total Hydro (E.R)	5876.38	5876.38	915.15	912.22	16061.57	16015.84		
		Total RES	886.05	886.05	62.66	62.66	370.73	370.73		
		TOTAL (E.R)		33927.43	33852.43	13534.07	12575.02	130801.28	121881.08	
		BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	15.26	15.26	1313.39	1313.39
			Hydro	Kurichu (4x15)	60.00	60.00	-11.17	-11.17	324.09	324.09
			Hydro	TALA (6x170)	1020.00	1020.00	12.20	12.20	2389.18	2389.18
Hydro	DAGACHU (2x63)		126.00	126.00	15.42	15.42	315.32	315.32		
Grand Total			35493.43	35328.43	13565.77	12606.73	135143.25	126223.05		

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF DECEMBER' 2018

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	3.24
		Muzaffarpur Stg-I	220.00	220.00	79.84	48.78	418.39	28.81
		Thermal Total	440.00	430.00	79.84	24.96	463.25	16.32
	RES		327.40	327.40	42.20		205.08	
		Total BIHAR	767.40	757.40	122.04		668.33	
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	181.11	57.96	1316.28	47.48
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	1.31		95.22	
	RES		29.72	29.72	0.00		0.00	
	Total	159.72	159.72	1.31		95.22		
DVC	Thermal	Bokaro-B(3)	210.00	210.00	95.33	61.02	582.10	42.00
		Chandrapura (3)	140.00	130.00	0.00	0.00	0.00	0.00
		Chandrapura(U7 # 8)	500.00	500.00	243.87	65.56	2882.78	87.36
		Durgapur(4)	210.00	210.00	111.15	71.14	716.00	51.66
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	694.63	69.68	5111.22	57.79
		Mezia(U # 7,8)	1000.00	1000.00	351.08	47.19	3950.07	59.85
		Bokaro-A(1,2)	500.00	500.00	0.00	0.00	2042.84	61.90
		Durgapur STPS (U#1,2)	1000.00	1000.00	555.09	74.61	4568.18	69.21
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	269.94	30.23	2106.95	26.60
		Koderma STPS (U#1,2)	1000.00	1000.00	393.17	52.85	4532.41	68.67
	Total Thermal	7100.00	7090.00	2714.26	51.46	26492.55	56.62	
	Hydro	Maithon (U#1,2,3)	63.20	63.20	2.89		93.07	
		Panchet (U#1,2)	80.00	80.00	1.33		76.02	
		Tilaya (U#1,2)	4.00	4.00	2.74		4.49	
		Hydro Total	147.20	147.20	6.95		173.58	
		Total DVC	7247.20	7237.20	2721.22		26666.13	
WEST BENGAL								
WBPDC	Thermal	Bandel TPS	380.00	335.00	52.77	21.17	1029.55	46.57
		Santalidih TPS(U#5&6)	500.00	500.00	286.64	77.05	2613.40	79.19
		Kolaghat TPS	1260.00	1260.00	402.11	42.89	3485.51	41.91
		Bakreswar TPP	1050.00	1050.00	578.26	74.02	5199.70	75.03
		Sagardighi TPP	1600.00	1600.00	424.24	35.64	4557.77	43.16
		Thermal Total	4790.00	4745.00	1744.02	49.40	16885.94	53.92
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	10.75		181.66	
		Ramam (4x12.73)	51.00	51.00	11.58		210.25	
		Teesta C.F. (3x3x7.3)	67.30	67.30	0.00		85.46	
		Purulia PSS (4x225)	900.00	900.00	95.01		822.15	
		Total Hydro	1053.30	1053.30	117.33		1299.52	
		RES	277.52	277.52	0.00		0.00	
DPL	Thermal	TLDP -(4x33+4x40)	292.00	292.00	40.33		1146.73	
		DPPS (110+300+250 *)	660.00	660.00	154.56	31.48	1772.71	40.70
		RES	5.00	5.00	0.48		4.59	

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

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	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 (%)
			(in MW)	(in MW)				
CESC	Thermal	Titagarh (4x60)	240.00	240.00	0.00	0.00	0.00	0.00
		Southern (2x67.5)	135.00	135.00	9.33	9.29	245.57	27.56
		Budge-Budge (3x250)	750.00	750.00	389.48	69.80	4558.75	92.10
		Total CESC	1125.00	1125.00	398.81	47.65	4804.31	64.70
HEL	Thermal		600.00	600.00	373.35	83.64	3656.11	92.33
		Total West Bengal	8510.82	8465.82	2788.07		28420.24	
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	184.09	103.09	1426.68	90.07
		Talcher-II	220.00	220.00	151.92	92.81	1259.34	86.73
		Total Thermal	470.00	460.00	336.00	98.18	2686.02	88.47
OPGC	Thermal	IB TPS	420.00	420.00	278.86	89.24	2309.46	83.31
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	15.49		337.16	
		Hirakud-II (Chiplima)	72.00	72.00	10.92		137.57	
		Balimela (6x60+2x75)	510.00	510.00	124.14		1464.75	
		Rengali (5x50)	250.00	250.00	106.44		783.15	
		Upper Kolab (4x80)	320.00	320.00	52.09		713.75	
		Indravati HPS (4x150)	600.00	600.00	63.59		1667.98	
		Mckd.(Odisha drawal)	57.38	57.38	24.88		189.77	
		Total Hydro	2084.88	2084.88	397.54		5294.13	
		RES	184.30	184.30	17.87		128.08	
		Total Odisha	3159.18	3149.18	1030.26		10417.69	
(**) SIKKIM	Hydro	RES	52.11	52.11	1.00		23.00	
NTPC		MTPS Stg-II	390	390	231.923	79.93	1710.4337	66.45
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	1073.24	90.16	8391.87	79.47
		FSTPP (U# 6)	500.00	500.00	319.46	85.88	2697.60	81.75
		KhSTPP (4x210+3x500)	2340.00	2340.00	1524.24	87.55	12346.95	79.95
		TSTPP (2x500)	1000.00	1000.00	292.15	39.27	5347.92	81.03
		BARH STPS II (2X660)	1320.00	1320.00	911.00	92.76	7508.56	86.19
		BRBCL # I,2(2X250 MW)	500.00	500.00	323.98	87.09	1703.97	51.64
		Total NTPC	7650.00	7650.00	4675.99	82.16	39707.29	78.64
NHPC	HYDRO	Rangit (3x20)	60.00	60.00	17.85		306.33	
		Teesta (3x170)	510.00	510.00	97.22		2389.60	
		TLDP -(4x33+4x40)	292.00	292.00	40.33		1146.73	
		Total NHPC	862.00	862.00	155.40		3842.66	
	Thermal	MPL (U#1&2)	1050.00	1050.00	694.21	88.86	5428.62	78.34
		APNRL (U#1,2)	540.00	540.00	212.54	52.90	2309.74	64.81
		GMR (2x350)	700.00	700.00	405.41	77.84	3393.42	73.45
		JITPL (2X600)	1200.00	1200.00	307.29	34.42	3143.29	39.69
		CHUZACHEN** (2x55)	110.00	110.00	11.07		392.95	
		JORETHANG (2x48)	96.00	96.00	13.53		380.75	
		TEESTA URJA St III (6x200)	1200.00	1200.00	184.97		3756.91	
		Tashilding (2x48.5)	97.00	97.00	15.94		388.33	
		DICKCHU (2x48)	96.00	96.00	11.10		437.52	
		TALCHER SOLAR	10.00	10.00	1.12		9.97	
		Total Thermal (E.R)	27165.00	27090.00	12556.25	62.30	114368.98	63.97
	EASTERN REGIONAL	Total Hydro (E.R)	5876.38	5876.38	915.15		16061.57	
		Total RES	886.05	886.05	62.66		370.73	
		TOTAL (E.R)	33927.43	33852.43	13534.07		130801.28	
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	15.26		1313.39	
	Hydro	Kurichu (4x15)	60.00	60.00	-11.17		324.09	
	Hydro	TALA (6x170)	1020.00	1020.00	12.20		2389.18	
	Hydro	DAGACHU (2x63)	126.00	126.00	15.42		315.32	
		Grand Total	35493.43	35328.43	13565.77		135143.25	

**CONTRIBUTIONS OF DIFFERENT CONSTITUENTS AT THE TIME OF REGIONAL PEAK
DURING THE MONTH OF DECEMBER'2018 (15-12-2018)**

Date **15-Dec-18**
Time **19.00** **Hrs.**
Frequency **49.96** **Hz.**

(All Fig. in MW)

	Installed	Effective				
System/State	Capacity	Capacity	Hydro	Thermal	RES	Total
BSPHCL	767	757	0	85	0	85
JUVNL	580	580	0	179	0	179
DVC	7247	7237	25	3532	0	3557
ODISHA	3159	3149	1203	774	20	1997
WBSEDCL	6121	6076	701	2494	0	3195
TLDP	292	292	126	0	0	126
HEL HALDIA	600	600	0	541	0	541
CESC	1125	1125	0	507	0	507
DPL	665	665	0	183	0	183
SIKKIM	52	52	0	0	0	0
NTPC	7650	7650	0	5991	0	5991
NHPC	570	570	415	0	0	415
CHUKHA	360	270	34	0	0	34
KURICHU	60	60	-27	0	0	-27
TALA	1020	1020	27	0	0	27
MPL	1050	1050	0	984	0	984
APNRL	540	540	0	245	0	245
Kamalganga (GMR)	700	700	0	302	0	302
JITPL	1200	1200	0	517	0	517
Chuzachen	110	110	0	0	0	0
Jorethang	96	96	0	0	0	0
TEESTA URJA St III	1200	1200	613	0	0	613
Tashilding	97	97	0	0	0	0
DICKCHU	96	96	58	0	0	58
Daghachu	126	126	20	0	0	20
Solar	10	10	0	0	0	0
0	0	0	0	0	0	0
Total	35493	35328	3194	16335	20	19549
Import From Captive:						1032
Export To:						
NER						-763
SR						2063
WR						-1408
NR						1837.27
Bangladesh						682.33
Nepal						145.92
Total						2558
➤ I Net Peak Demand Met (MW) :						18023

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

Hourly Load Generation Data OF ER On Regional Peak Day During The Month of DECEMBER'2018 (15-12-2018)

(All Figures in MW)

Generation				Import	Net	Net	Demand	Freq.	Load	
Hrs.	Hydro	Thermal	Total	from Captive	Import From CHPS, KHPS & TALA	Export to other region	Met	Correction	Shed	Requirement
1	296	14024	14320	881	-4	1724	13474	-1	0	13474
2	276	14092	14368	861	-2	1820	13407	1	2	13409
3	219	13802	14021	873	-2	1807	13086	8	2	13096
4	200	13678	13878	881	-7	1657	13095	-7	3	13098
5	307	14003	14310	866	-12	1772	13392	18	3	13413
6	854	14792	15646	930	-16	2754	13806	31	3	13840
7	1159	15898	17057	959	-33	3481	14502	9	90	14601
8	1885	16439	18324	990	-41	4000	15273	17	117	15408
9	2348	16422	18770	1028	-45	4455	15297	29	140	15467
10	2119	16626	18745	1050	-43	4491	15262	35	140	15436
11	1868	16550	18417	955	-32	4522	14819	-6	35	14847
12	1623	16157	17780	921	-26	4341	14335	5	25	14365
13	1068	15894	16961	938	-19	3992	13887	36	16	13940
14	503	15855	16359	855	-31	3921	13261	9	15	13286
15	591	15790	16381	862	-38	4280	12925	14	12	12950
16	751	16082	16833	909	-39	4379	13324	34	10	13368
17	1513	16251	17764	976	-65	4379	14296	50	1	14347
18	3103	16172	19275	958	-16	3059	17157	42	0	17200
19	3181	16335	19516	1032	34	2558	18023	25	0	18049
20	2936	16154	19090	1021	52	2228	17934	5	0	17939
21	1639	15959	17598	979	68	1686	16959	28	0	16987
22	637	15840	16477	1024	79	1931	15649	33	56	15738
23	361	15478	15839	955	2	2357	14440	6	56	14502
24	425	14957	15382	906	-2	2345	13940	11	0	13951

Hourly Load Generation Data of ER On Regional Lean Day During The Month of DECEMBER'2018 (18-12-2018)

(All Figures in MW)

Generation				Import	Net	Net	Demand	Freq.	Load	
Hrs.	Hydro	Thermal	Total	from Captive	Import From CHPS, KHPS & TALA	Export to other region	Met	Correction	Shed	Requirement
1	282	13026	13308	766	-6	3461	10606	15	31	10652
2	260	12659	12919	772	0	3530	10161	13	41	10215
3	215	12656	12871	736	-1	3920	9686	8	55	9748
4	201	12388	12589	733	-7	4126	9189	-3	58	9244
5	271	12393	12665	744	-9	4216	9183	-8	64	9238
6	525	12774	13300	760	-9	4440	9611	3	69	9683
7	776	13590	14366	797	-32	5045	10086	10	69	10164
8	1060	15110	16170	825	-58	5738	11199	18	90	11307
9	1369	15530	16899	830	-16	5915	11798	15	83	11896
10	1375	15562	16936	846	73	5777	12079	21	78	12178
11	1461	15154	16615	763	89	5169	12298	12	60	12370
12	1083	15104	16187	737	84	4505	12503	20	36	12559
13	775	15382	16157	761	93	4404	12607	25	60	12692
14	392	15640	16032	711	94	4454	12383	-18	17	12399
15	483	15990	16474	706	97	5250	12027	23	13	12063
16	524	16354	16879	678	89	5350	12295	25	5	12325
17	1482	16564	18046	754	76	5171	13705	48	4	13757
18	2888	16571	19459	761	91	4430	15880	29	35	15945
19	3307	16599	19906	776	98	3841	16940	31	3	16974
20	3296	16333	19629	751	116	3732	16764	28	52	16843
21	2200	16497	18697	733	130	3716	15845	19	50	15914
22	943	16257	17200	771	158	3322	14807	0	0	14807
23	601	15725	16327	698	131	3668	13488	-8	0	13488
24	417	14721	15138	704	131	3275	12699	2	0	12701

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

FOR THE MONTH OF DECEMBER'2018

POWER CUT / RESTRICTIONS

BSPHCL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 5.78 MU
JUVNL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 37.67 MU
DVC	NO NOTIFIED CUTS/RESTRICTIONS. However there was loadshedding of 7.95 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 5.26 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.

List of Meetings / Workshops held during the month of December, 2018

Sl. No.	Description	Date	Venue
1	ISO Meeting	04.12.2018	ERPC, Kolkata
2	Seminar on "Regulatory Frame Work in India" by NPTI, Durgapur at Ranchi	06.12.2018 to 07.12.2018	Ranchi
3	PWC Presentation	11.12.2018	ERPC, Kolkata
4	Meeting on Islanding Scheme of IbTPS	12.12.2018	ERPC, Kolkata
5	Meeting regd. Lalmatia Issue	13.12.2018	ERPC, Kolkata
6	Mtg. with CEO, DMTCL	14.12.2018	ERPC, Kolkata
7	152nd OCC Meeting at Floatel	17.12.2018	Hotel Floatel, Kolkata
8	Meeting on LGBR	18.12.2018	ERPC, Kolkata
9	74th PCC Meeting	19.12.2018	ERPC, Kolkata
10	Meeting with CPWD	20.12.2018	ERPC, Kolkata
11	Demonstration of Black Start at Balimela	21.12.2018	ERPC, Kolkata
12	Special meeting on Bus Splitting arrangement	26.12.2018	ERPC, Kolkata
13	Hindi Workshop	26.12.2018	ERPC, Kolkata
14	Workshop on DSM	27.12.2018	ERPC, Kolkata

FREQUENCY DETAILS FOR THE MONTH OF

Dec-18

D A T E																		
	H O U R S										INST. FREQ.				15 MIN. INTEGRATED			
	00	05	10	17	22	00	49.9	>50.05	49.9	MAX HZ	HRS.	MIN HZ	HRS.	MAX HZ	HRS.	MIN HZ	HRS.	
	TO	TO	TO	TO	TO	TO	<49.9	TO	TO									
05	10	17	22	24	24		50.1	50.05										
01-Dec	49.97	49.96	49.96	49.99	49.98	49.97	8.80	82.70	8.60	82.70	50.14	00:01:50	49.84	10:09:00	50.05	0:00	49.89	0:00
02-Dec	49.98	49.98	49.98	50.00	50.04	49.99	3.10	79.00	17.90	79.00	50.25	06:01:40	49.82	17:43:10	50.10	0:00	49.92	0:00
03-Dec	50.01	49.96	49.93	49.97	49.99	49.97	12.90	76.70	10.40	76.70	50.15	12:01:20	49.78	17:40:00	50.10	0:00	49.86	0:00
04-Dec	49.99	49.93	49.94	49.97	49.99	49.96	14.00	80.40	5.60	80.40	50.13	06:01:10	49.77	07:21:30	50.04	0:00	49.80	0:00
05-Dec	49.94	49.90	49.96	49.96	49.93	49.94	19.10	75.50	5.40	75.50	50.16	13:02:20	49.72	05:10:10	50.07	0:00	49.76	0:00
06-Dec	49.96	49.90	49.94	49.97	49.95	49.94	21.60	71.80	6.60	71.80	50.16	21:55:50	49.76	07:51:10	50.09	0:00	49.81	0:00
07-Dec	49.97	49.96	49.97	49.96	50.00	49.97	11.04	80.92	8.04	80.92	50.17	14:01:50	49.81	19:20:30	50.06	0:00	49.89	0:00
08-Dec	49.98	49.98	49.94	49.98	49.97	49.97	11.00	79.30	9.70	79.30	50.20	06:04:00	49.79	12:40:30	50.09	0:00	49.84	0:00
09-Dec	49.97	49.93	49.97	49.97	49.98	49.96	11.10	80.70	8.20	80.70	50.16	17:02:30	49.77	07:33:40	50.07	0:00	49.84	0:00
10-Dec	49.97	49.91	49.93	49.93	49.96	49.94	23.35	73.00	3.65	73.00	50.15	13:03:30	49.77	06:45:10	50.09	0:00	49.80	0:00
11-Dec	49.96	49.93	49.94	49.96	50.02	49.95	20.64	71.12	8.24	71.12	50.16	22:00:30	49.73	07:37:00	50.08	0:00	49.82	0:00
12-Dec	49.99	49.92	49.93	49.96	50.01	49.95	20.63	71.13	8.24	71.13	50.15	05:34:00	49.69	07:37:10	50.10	0:00	49.76	0:00
13-Dec	49.96	49.96	49.96	49.97	50.01	49.96	7.73	86.23	6.04	86.23	50.17	06:02:10	49.77	04:09:10	50.07	0:00	49.83	0:00
14-Dec	49.96	49.96	49.98	49.97	50.00	49.97	9.30	79.20	11.50	79.20	50.24	22:01:50	49.79	18:17:00	50.11	0:00	49.85	0:00
15-Dec	49.99	49.95	49.96	49.96	49.98	49.97	12.20	77.30	10.50	77.30	50.18	06:03:40	49.67	16:25:30	50.08	0:00	49.82	0:00
16-Dec	49.99	49.96	49.97	50.00	50.02	49.98	9.00	74.80	16.20	74.80	50.25	06:03:20	49.79	09:17:30	50.13	0:00	49.81	0:00
17-Dec	50.00	49.93	49.95	49.97	49.97	49.96	12.90	78.00	9.10	78.00	50.18	00:02:20	49.78	07:26:20	50.10	0:00	49.82	0:00
18-Dec	49.99	49.97	49.96	49.96	50.01	49.97	8.00	81.90	10.10	81.90	50.21	13:04:30	49.70	19:19:20	50.11	0:00	49.89	0:00
19-Dec	49.96	49.90	49.96	49.94	50.00	49.95	20.50	71.70	7.80	71.70	50.15	15:03:00	49.72	21:08:30	50.06	0:00	49.80	0:00
20-Dec	49.96	49.90	49.95	49.97	49.98	49.95	19.40	72.70	7.90	72.70	50.18	12:01:10	49.68	06:46:10	50.07	0:00	49.79	0:00
21-Dec	49.95	49.89	49.94	49.94	50.01	49.94	25.34	67.63	7.03	67.63	50.17	06:02:50	49.81	07:38:00	50.10	0:00	49.73	0:00
22-Dec	49.99	49.97	49.96	49.96	49.99	49.97	9.90	80.50	9.60	80.50	50.22	13:03:10	49.79	17:54:10	50.15	0:00	49.87	0:00
23-Dec	50.00	49.95	49.98	50.00	50.03	49.99	6.90	76.00	17.10	76.00	50.22	14:03:30	49.79	07:36:50	50.15	0:00	49.84	0:00
24-Dec	50.03	49.96	49.95	49.97	49.97	49.97	11.50	74.90	13.60	74.90	50.17	05:02:50	49.78	16:40:40	50.11	0:00	49.83	0:00
25-Dec	49.95	49.91	49.94	49.97	50.01	49.95	19.40	72.00	8.60	72.00	50.17	22:00:10	49.76	17:55:10	50.12	0:00	49.84	0:00
26-Dec	49.98	50.00	50.00	50.00	50.02	50.00	2.70	78.30	18.90	78.30	50.18	05:02:30	49.80	07:35:10	50.11	0:00	49.89	0:00
27-Dec	49.97	50.00	49.96	49.99	50.02	49.98	5.00	80.40	14.60	80.40	50.19	06:02:10	49.83	12:25:10	50.09	0:00	49.89	0:00
28-Dec	49.98	49.92	49.96	49.99	50.00	49.97	13.10	76.50	10.40	76.50	50.14	17:01:40	49.75	12:20:00	50.09	0:00	49.83	0:00
29-Dec	50.01	49.94	49.95	49.98	50.01	49.97	11.00	77.80	11.10	77.80	50.16	06:03:30	49.79	08:34:00	50.07	0:00	49.85	0:00
30-Dec	49.97	49.96	49.97	50.00	50.04	49.98	6.30	79.50	14.20	79.50	50.18	18:02:30	49.67	07:54:40	50.12	0:00	49.79	0:00
31-Dec	50.03	50.03	49.98	49.94	49.92	49.99	8.70	76.30	15.00	76.30	50.21	21:01:00	49.81	16:39:10	50.10	0:00	49.87	0:00
MAX	50.03	50.03	50.00	50.00	50.04	50.00	25.34	86.23	18.90	86.23	50.25		49.84		50.15		49.92	
MIN	49.94	49.89	49.93	49.93	49.92	49.94	2.70	67.63	3.65	67.63	50.13		49.67		50.04		49.73	
AVG	49.98	49.94	49.96	49.97	49.99	49.96	12.78	76.90	10.32	76.90	50.18		49.76		50.09		49.83	

SUMMARY:

Avg. Frequency : **49.96 Hz.**

Instantaneous Frequency :

Maximum Frequency : 50.25 Hz at 06:01:40 Hrs.

Minimum Frequency : 49.67 Hz at 09:17 Hrs.

15 Minutes Integrated Frequency :

Maximum Frequency : 50.15 Hz On 00/01/00 at 00:00 Hrs.

Minimum Frequency : 49.73 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	12.78	76.90	10.32

VOLTAGE ANALYSIS

MAXIMUM & MINIMUM VOLTAGES RECORDED AT IMPORTANT 400 kV S/S IN THE MONTH OF DECEMBER'2018

(All figs. in kV)

PGCIL	BINAGURI		MAITHON		JEERAT		BIHARSHARIFF	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	428	396	423	405	430	394	422	402

PGCIL	MUZAFFARPUR		JAMSHEDPUR		ROURKELA		JEYPORE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	414	389	415	403	413	405	420	390

ANNEXURE-III

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

Dec-18

(All figs.in mtrs.)

Name of the Reservoirs	FRL	MDDL	As on last day of the		As on first day of this month & date	
			(31-12-18)	(31-12-17)		
Hirakud	192	180	190.51	191.10	190.67	01.12.18
Balimela	462	439	459.61	450.86	460.25	01.12.18
Rengali	123	109	117.81	122.68	118.15	01.12.18
Upperkolab	858	844	855.11	853.79	855.49	01.12.18
Indravati	642	625	638.65	635.90	638.42	01.12.18
Subernrekha	590	580	585.98	586.56	585.98	01.12.18

B.

CPP/IPP IMPORT by Eastern Region Constituents during

Dec-18

(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	46.84
West Bengal	69.24	18.82	0	0	0	0	0	34.77	122.83
ODISHA	0	0	38.49	62.21	7.35	10.14	0	325.31	443.50
DVC	0	0	0	0	0	0	13.79	0	13.79
TOTAL	69.24	18.82	38.49	62.21	7.35	10.14	13.79	360.09	626.96

C.

Distribution of Schedule Supply among Key Customers by IPPs during

Dec-18

(All figs. are in MU)

IPP	TPDDL	WBSEDCL/ WBPDCL	DVC *	Sale at IEX/NPCL	ODISHA	JSEB	CTU/Others	Total (Excl. Tr. Loss)
MPL	178.42	169.32	103.88	0.00	0	0	204.50	656.12
Sterlite	0	0	0	0	0.00	0	0.00	0.00
APNRL	0	32.64	0	2.97	0.00	106.60	54.76	196.97
Total	178.42	201.96	103.88	2.97	0.00	106.60	259.26	853.09

Different types of Work performed by ERPC during April'2018 to May'2018

APRIL, 2018		
Sl. No.	Period	Date of Report
1	RTA March-18	04.04.2018
2	Deviation Account and RRAS Account 12.03.18-18.03.18	03/04/2018
3	Deviation Account and RRAS Account 19.03.18-25.03.18	10/04/2018
4	Deviation Account and RRAS Account 26.03.18-01.04.18	13/04/2018
5	RTDA for the month of March 2018	11/04/2018
6	MTPS -II (KBUNL) Share allocation w.e.f 01.04.2018	01/04/2018
7	BRBCL Share allocation w.e.f 12.04.2018	11/04/2018
8	REA for March 2018	03.04.2018
9	DC for MPL – March 2018	03.04.2018
10	REA for March-2018 Revision-I	04.04.2018
11	REA Bhutan March-18	09.04.2018
12	Statement of Compensation 15.05.17-28.02.18	17.04.2018
13	URS March-18	11/04/2018
14	VAR Account 12.03.18-18.03.18	03/04/2018
15	VAR Account 19.03.18-25.03.18	10/04/2018
16	VAR Account 26.03.18-01.04.18	13/04/2018
17	Bilateral REA for March-2018	05.04.2018
18	AS-3 Format 16.04.18-15.05.18	10.04.2018
19	Transmission System Availability Certificate for Powergrid Transmission Elements for Feb-18	13.04.2018
20	Transmission System Availability Certificate for Powerlinks Transmission Elements for Jan-18	06.04.2018
21	Transmission System Availability Certificate for CBPTCL Transmission Elements for Feb-18	13.04.2018
22	Provisional Power Supply position for the month of March-18	03.04.2018
23	Revised Power Supply position for the month of March-18	24.04.2018

MAY, 2018		
Sl. No.	Period	Date of Report
1	RTA April-18	03.05.2018
2	Deviation Account and RRAS Account 02.04.18-08.04.18	01/05/2018
3	Deviation Account and RRAS Account 09.04.18-15.04.18	04/05/2018
4	Deviation Account and RRAS Account 16.04.18-22.04.18	14/05/2018
5	Deviation Account and RRAS Account 23.04.18-29.04.19	23/05/2018
6	Deviation Account and RRAS Account 30.04.18-06.05.19	28/05/2018
7	Revised RRAS UP for FSTPP-III & KHSTPP-II for 090418-150418	28/05/2018
8	Deviation Account and RRAS Account 07.05.18-13.05.18	31/05/2018
9	Revised RTDA of THEP INFIRM for the month of October 2017	04/05/2018
10	बीआरबीसीएल शेयर आवंटन w.e.f 19.05.18	19/05/2018
11	REA for APRIL- 2018	04.05.2018
12	DC for MPL – April 2018	04.05.2018
13	DC for MPL as per CERC order 28/MP/2016 dated 20.03.18 (for Sep'11 to Aug'17)	10.05.2018
14	REA Bhutan April-18	15.05.2018
15	Compensation statement for the period of 15.05.2017-31.03.2018	22.05.2018
16	URS for April-18	18/05/2018
17	VAR Account 02.04.18-08.04.18	01/05/2018
18	VAR Account 09.04.18-15.04.18	04/05/2018
19	VAR Account 16.04.18-22.04.18	14/05/2018
20	VAR Account 23.04.18-29.04.18	23/05/2018
21	VAR Account 30.04.18-06.05.18	28/05/2018
22	VAR Account 07.05.18-13.05.18	31/05/2018
23	Bilateral REA for April-2018	07.05.2018
24	Provisional Power Supply position for the month of April-18	04.05.2018
25	Revised Power Supply position for the month of April-18	29.05.2018
26	Transmission System Availability Certificate for Powergrid Transmission Elements for March-18	10.05.2018
27	Transmission System Availability Certificate for Powerlinks Transmission Elements for Feb-18 & Mar-18	07.05.2018
28	Transmission System Availability Certificate for CBPTCL Transmission Elements for Mar-18& April-18	09.05& 31.05.2018
29	Transmission System Availability Certificate for ENICL Transmission Elements for Feb-18& Mar-18	09.05.2018
30	Transmission System Availability Certificate for DMTCL Transmission Elements for Feb-18& Mar-18-18	29.05.2018
31	Transmission System Availability Certificate for PKTCL Transmission Elements for Feb-18 & Mar-18	09.05.2018
32	Transmission System Availability Certificate for OPGCL Transmission Elements for Feb-18 & Mar-18	09.05.2018
33	Transmission System Availability Certificate for TPTL Transmission Elements for Jan-18 Feb-18 & Mar-18	07.05.2018
34	AS-3 Format 16.05.18-15.06.18	14.05.2018

Different types of Work performed by ERPC during June'2018 to July'2018

JUNE, 2018		
Sl. No.	Period	Date of Report
1	RTA May-18	04.06.2018
2	Revised RTA for April-18 & May-18	06.06.2018
3	Deviation Account and RRAS Account 14.05.18-20.05.18	04/06/2018
4	Deviation Account and RRAS Account 21.05.18-27.05.18	08/06/2018
5	Deviation Account and RRAS Account 28.05.18-03.06.18	21/06/2018
6	Deviation Account and RRAS Account 04.06.18-10.06.19	25/06/2018
7	BRBCL share allocation w.e.f 22.05.2018	21/06/2018
8	Compensation statement for April-18	04.06.2018
9	REA for MAY- 2018	05.06.2018
10	DC for MPL – May 2018	06.06.2018
11	REA Bhutan May-18	11.06.2018
12	Compensation statement for May-18	27.06.2018
13	URS May-18	22/06/2018
14	VAR Account 14.05.18-20.05.18	04/06/2018
15	VAR Account 21.05.18-27.05.18	08/06/2018
16	VAR Account 28.05.18-03.06.18	21/06/2018
17	VAR Account 04.06.18-10.06.18	25/06/2018
18	Bilateral REA for May-2018	06.06.2018
19	Provisional Power Supply position fot the month of May-18	06.06.2018
20	Revised Power Supply position fot the month of May-18	27.06.2018
21	Transmission System Availability Certificate for Powergrid Transmission Elements for April-18	12.06.2018
22	Transmission System Availability Certificate for ENICL Transmission Elements for April-18	05.06.2018
23	Transmission System Availability Certificate for PKTCL Transmission Elements for April-18	05.06.2018
24	Transmission System Availability Certificate for OPGCL Transmission Elements for April-18	05.06.2018
25	Transmission System Availability Certificate for TPTL Transmission Elements for April-18	05.06.2018
26	AS-3 Format 16.06.18-15.07.18	11.06.2018

JULY, 2018		
Sl. No.	Period	Date of Report
1	RTA June-18	04.07.2018
2	Deviation Account and RRAS Account 11.06.18-17.06.18	02/07/2018
3	Deviation Account and RRAS Account 18.06.18-24.06.18	10/07/2018
4	Deviation Account and RRAS Account 25.06.18-01.07.18	18/07/2018
5	Deviation Account and RRAS Account 02.07.18-08.07.18	30/07/2018
6	Revised RRAS Account 28.05.18-03.06.18	30/07/2018
7	Wheeling Charges in respect of transmission system of GRIDCO for wheeling of power from NTPC Power Station in ER, CERC Order dated 23.03.2007, petition no. 6/2004(for 2001-04)	09.07.2018
8	REA June-2018	04.07.2018
9	DC for MPL – June 2018	04.07.2018
10	REA Bhutan June-18	06.07.2018
11	URS June-18	25/07/2018
12	VAR Account 11.06.18-17.06.18	02/07/2018
13	VAR Account 18.06.18-24.06.18	10/07/2018
14	VAR Account 25.06.18-01.07.18	18/07/2018
15	VAR Account 02.07.18-08.07.18	30/07/2018
16	MPPR April,2018	20/07/2018
17	MPPR May,2018	24/07/2018
18	Bilateral REA for June-2018	05.07.2018
19	AS-3 Format 16.07.18-15.08.18	10.07.2018
20	Transmission System Availability Certificate for Powergrid Transmission Elements for May-18	09.07.2018
21	Revised Tran.System Availability Certificate for Powergrid Transmission Elements for May-18	12.07.2018
22	Revised Tran.System Availability Certificate for Powergrid Transmission Elements for April-18	17.07.2018
23	Transmission System Availability Certificate for Powerlinks Transmission Elements for April-18 , May-18& June-18	04.07, 12.07.24.07.2018
24	Transmission System Availability Certificate for CBPTCL Transmission Elements for May-18& June-18	04.07& 24.07.2018
25	Transmission System Availability Certificate for ENICL Transmission Elements for May-18 &June-18	13.07&31.07.2018
26	Transmission System Availability Certificate for DMTCL Transmission Elements for April-18	04.07.2018
27	Transmission System Availability Certificate for PKTCL Transmission Elements for May-18 &June-18	13.07&31.07.2018
28	Transmission System Availability Certificate for OPGCL Transmission Elements for May-18 & June-18	13.07&31.07.2018
29	Transmission System Availability Certificate for TPTL Transmission Elements for May-18 & June-18	12.07&24.07.2018
30	Provisional Power Supply position fot the month of June-18	06.07.2018
31	Revised Power Supply position fot the month of June-18	27.07.2018
32	Progress Report April-2018	06/07/2018
33	Progress Report for May 2018	25/07/2018
34	Annual Report 2017-18	02/07/2018

Different types of Work performed by ERPC during Aug'2018 to Sep'2018

AUGUST, 2018		
Sl. No.	Period	Date of Report
1	RTA July-18	06.08.2018
2	Deviation Account and RRAS Account 09.07.18-15.07.18	03/08/2018
3	Deviation Account and RRAS Account 16.07.18-22.07.18	08/08/2018
4	Revised RRAS Account 28.05.18-03.06.18	13/08/2018
5	Deviation Account and RRAS Account 23.07.18-29.07.18	16/08/2018
6	Deviation Account and RRAS Account 30.07.18-05.08.18	21/08/2018
7	Share allocation of ISGS in % and MW w.e.f 01.08.2018	01/08/2018
8	Compensation statement for June-18	01.08.2018
9	REA for JULY-2018	03.08.2018
10	DC for MPL – July 2018	03.08.2018
11	REA Bhutan July-18	09.08.2018
12	DC for Teesta-III – May,June,July-2018	29.08.2018
13	Compensation statement for July-18	29.08.2018
14	URS July-18	31/08/2018
15	VAR Account 09.07.18-15.07.18	03/08/2018
16	VAR Account 16.07.18-22.07.18	08/08/2018
17	VAR Account 23.07.18-29.07.18	16/08/2018
18	Revised VAR Account 16.07.18-22.07.18	16/08/2018
19	VAR Account 30.07.18-05.08.18	21/08/2018
20	MPPR June,2018	18/08/2018
21	Bilateral REA for July-2018	03.08.2018
22	Bilateral REA for May-18 & June-18 _Rev-I	13.08.2018
23	AS-3 Format 16.08.18-15.09.18	14.08.2018
24	Transmission System Availability Certificate for Powergrid Transmission Elements for June-18	02.08.2018
25	Provisional Power Supply position fot the month of July-18	03.08.2018
26	Revised Power Supply position fot the month of July-18	27.08.2018
27	Progress Report June-2018	20.08.2018

SEPTEMBER, 2018		
Sl. No.	Period	Date of Report
1	RTA July-18 _Revision-I	04.09.2018
2	RTA August-18	05.09.2018
3	Deviation Account and RRAS Account 06.08.18-12.08.18	03/09/2018
4	Deviation Account and RRAS Account 13.08.18-19.08.18	06/09/2018
5	Deviation Account and RRAS Account 20.08.18-26.08.18	11/09/2018
6	Deviation Account and RRAS Account 27.08.18-02.09.18	18/09/2018
7	Deviation Account and RRAS Account 03.09.18-09.09.18	25/09/2018
8	RTDA for the month of April, May & June- 2018	04/09/2018
9	REA for August-2018	04.09.2018
10	DC for MPL – August 2018	04.09.2018
11	DC for Teesta-III – August,2018	04.09.2018
12	REA Bhutan August-18	07.09.2018
13	URS August-18	25/09/2018
14	VAR Account 06.08.18-12.08.18	03/09/2018
15	VAR Account 13.08.18-19.08.18	06/09/2018
16	VAR Account 20.08.18-26.08.18	11/09/2018
17	VAR Account 27.08.18-02.09.18	18/09/2018
18	VAR Account 03.09.18-09.09.18	25/09/2018
19	Bilateral REA for August -2018	05.09.2018
20	Revised Bilateral REA for June & July,18	17.09.2018
21	Transmission System Availability Certificate for Powergrid Transmission Elements for July-18	17.09.2018
22	Transmission System Availability Certificate for Powerlinks Transmission Elements for July-18	24.09.2018
23	Transmission System Availability Certificate for CBPTCL Transmission Elements for July-18	17.09.2018
24	Transmission System Availability Certificate for ENICL Transmission Elements for July-18	24.09.2018
25	Transmission System Availability Certificate for DMTCL Transmission Elements for May-18,June-18 & July-18	17.09.2018
26	Transmission System Availability Certificate for PKTCL Transmission Elements for July-18	24.09.2018
27	Transmission System Availability Certificate for OPGCL Transmission Elements for July-18	24.09.2018
28	Transmission System Availability Certificate for TPTL Transmission Elements for July-18	17.09.2018
29	Provisional Power Supply position fot the month of Aug -18	05.09.2018
30	Revised Power Supply position fot the month of Aug-18	25.09.2018
31	AS-3 Format 16.09.18-15.10.18	11.09.2018
32	Progress Report July-2018	06/09/2018

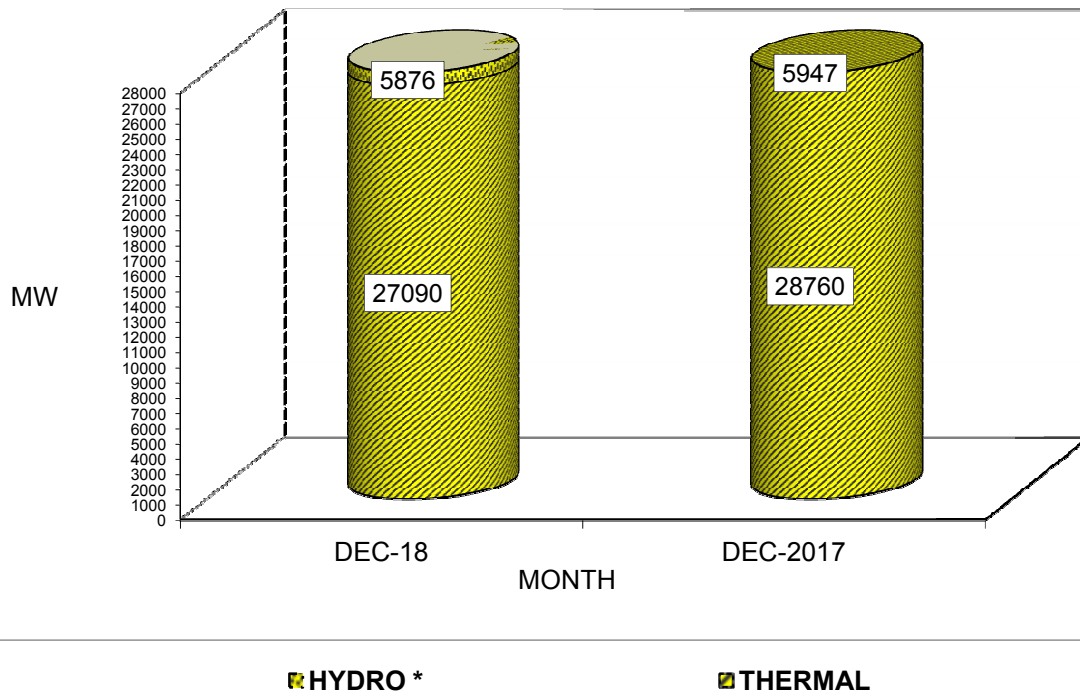
OCTOBER, 2018		
Sl. No.	Period	Date of Report
1	Revised RTA for July-18 & August-18	03.10.2018
2	RTA September-18	04.10.2018
3	Revised Deviation Account 03/09/18-09/09/18	08/10/2018
4	Deviation Account and RRAS Account 10.09.18-16.09.18	09/10/2018
5	Deviation Account and RRAS Account 17.09.18-23.09.18	16/10/2018
6	Deviation Account and RRAS Account 24.09.18-30.09.18	24/10/2018
7	Deviation Account and RRAS Account 01.10.18-07.10.18	26/10/2018
8	Deviation Account and RRAS Account 08.10.18-14.10.18	26/10/2018
9	Revised Deviation Account 08.10.18-14.10.18	31/10/2018
10	BRBCL share allocation w.e.f 02.10.2018	01/10/2018
11	Compensation statement for August-18	03.10.2018
12	REA for August-2018- Revision-I	04.10.2018
13	REA for July-2018- Revision-I	04.10.2018
14	REA for September-2018 (For NTPC Stations)	04.10.2018
15	DC for MPL – September 2018	05.10.2018
16	REA for September-2018 (For NHPC Stations)	05.10.2018
17	DC for Teesta-III – September,2018	05.10.2018
18	REA Bhutan September-18	05.10.2018
19	REA for September-2018 -Revision-I	31.10.2018
20	URS September-18	26/10/2018
21	VAR Account 10.09.18-16.09.18	09/10/2018
22	VAR Account 17.09.18-23.09.18	16/10/2018
23	VAR Account 24.09.18-30.09.18	24/10/2018
24	VAR Account 01.10.18-07.10.18	29/10/2018
25	VAR Account 08.10.18-14.10.18	29/10/2018
26	MPPR September,2018	15/10/2018
27	Bilateral REA for September -2018	05.10.2018
28	AS-3 Format 16.10.18-15.11.18	15.10.2018
29	Transmission System Availability Certificate for Powergrid Transmission Elements for August-18	22.10.2018
30	Transmission System Availability Certificate for Powerlinks Transmission Elements for August-18	22.10.2018
31	Transmission System Availability Certificate for CBPTCL Transmission Elements for Aug -18	22.10.2018
32	Transmission System Availability Certificate for ENICL Transmission Elements for Aug-18	22.10.2018
33	Transmission System Availability Certificate for PKTCL Transmission Elements for Aug-18	22.10.2018
34	Transmission System Availability Certificate for OPGCL Transmission Elements for Aug-18	22.10.2018
35	Transmission System Availability Certificate for TPTL Transmission Elements for Aug-18	22.10.2018
36	Provisional Power Supply position for the month of Sep -18	05.10.2018
37	Revised Power Supply position for the month of Sep-18	29.10.2018
38	Progress Report August-2018	11/10/2018

NOVEMBER, 2018		
Sl. No.	Period	Date of Report
1	RTA October-18	05.11.2018
2	RTA October-18 Revision-I	29.11.2018
3	Deviation Account and RRAS Account 15.10.18-21.10.18	01/11/2018
4	Deviation Account and RRAS Account 22.10.18-28.10.18	12/11/2018
5	Revised RRAS Account 15.10.18-21.10.18	12/11/2018
6	Deviation Account and RRAS Account 29.10.18-04.11.18	19/11/2018
7	Deviation account and RRAS account 05.11.18-11.11.18	26/11/2018
8	BRBCL share allocation w.e.f 28.10.2018	02/11/2018
9	REA for October-2018	02.11.2018
10	DC for MPL – October 2018	05.11.2018
11	DC for Teesta-III – October,2018	05.11.2018
12	REA Bhutan October-18	08.11.2018
13	Compensation statement for September-18	12.11.2018
14	REA for October-2018 -Revision-I	19.11.2018
15	URS October-18	20/11/2018
16	VAR Account 15.10.18-21.10.18	01/11/2018
17	VAR Account 22.10.18-28.10.18	12/11/2018
18	VAR Account 29.10.18-04.11.18	20/11/2018
19	VAR Account 05.11.18-11.11.18	26/11/2018
20	MPPR October,2018	30/11/2018
21	Bilateral REA for October -2018	05.11.2018
22	Revised Bilateral REA for August,18	20.11.2018
23	AS-3 Format 16.11.18-15.12.18	12.11.2018
24	Transmission System Availability Certificate for Powergrid Transmission Elements for Sep-18	13.11.2018
25	Transmission System Availability Certificate for CBPTCL Transmission Elements for Sep-18	06.11.2018
26	Transmission System Availability Certificate for ENICL Transmission Elements for Sep-18	13.11.2018
27	Transmission System Availability Certificate for DMTCL Transmission Elements for Aug-18	26.11.2018
28	Transmission System Availability Certificate for PKTCL Transmission Elements for Sep-18	13.11.2018
29	Transmission System Availability Certificate for OPGCL Transmission Elements for Sep-18	13.11.2018
30	Transmission System Availability Certificate for TPTL Transmission Elements for Sep-18	06.11.2018
31	Progress Report September-2018	13/11/2018
32	Provisional Power Supply position for the month of Oct -18	02.11.2018
33	Revised Power Supply position for the month of Oct-18	28.11.2018
34	Progress Report October-2018	30/11/2018

Different types of Work performed by ERPC during December,2018 .

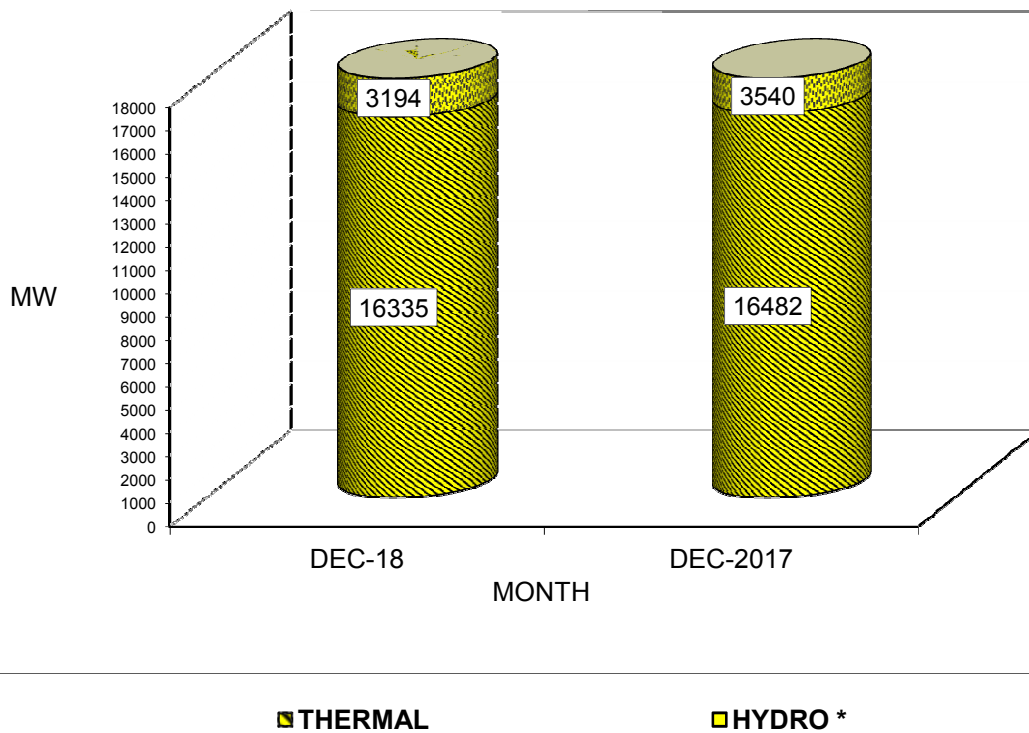
DECEMBER, 2018		
Sl. No.	Period	Date of Report
1	RTA November-18	05.12.2018
2	Deviation account and RRAS account 12.11.18-18.11.18	04/12/2018
3	Deviation account and RRAS account 19.11.18-25.11.18	11/12/2018
4	Deviation Account, RRAS & FRAS Account 261118-021218	14/12/2018
5	Deviation Account, RRAS & FRAS Account 031218-091218	21/12/2018
6	Deviation account and RRAS account 10.12.2018-16.12.2018	31/12/2018
7	Re-allocation of NTPC Stations of ER region w.e.f 11.12.2018	10/12/2018
8	REA for November-2018	04.12.2018
9	DC for Teesta-III – November,2018	04.12.2018
10	DC for MPL – November 2018	04.12.2018
11	Compensation statement for October-18	05.12.2018
12	REA Bhutan November-18	06.12.2018
13	Revised URS October-18	03/12/2018
14	VAR Account 12.11.18-18.11.18	04/12/2018
15	VAR Account 19.11.18-25.11.18	11/12/2018
16	VAR account 261118-021218	14/12/2018
17	Bilateral REA for November -2018	05.12.2018
18	Transmission System Availability Certificate for Powergrid Transmission Elements for Oct-18	07.12.2018
19	Transmission System Availability Certificate for Powerlinks Transmission Elements for Sep-18& Oct-18	06.12.2018
20	Transmission System Availability Certificate for CBPTCL Transmission Elements for Oct-18	06.12.2018
21	Transmission System Availability Certificate for ENICL Transmission Elements for Oct-18	06.12.2018
22	Transmission System Availability Certificate for DMTCL Transmission Elements for Sep-18 & Oct-18	06.12.2018
23	Rev.Transmission System Availability Certificate for DMTCL Transmission Elements for June-18 & July-18	27.12.2018
24	Transmission System Availability Certificate for PKTCL Transmission Elements for Oct-18	06.12.2018
25	Transmission System Availability Certificate for OPGCL Transmission Elements for Oct-18	06.12.2018
26	Transmission System Availability Certificate for TPTL Transmission Elements for Oct-18	06.12.2018
27	Provisional Power Supply position fot the month of Nov -18	05.12.2018
28	Revised Power Supply position fot the month of Nov-18	27.12.2018
29	AS-3 Format 16.12.18-15.01.19	14.12.2018
30	Draft LGBR Report for the Year 2019-20	28.12.2018

EFFECTIVE CAPACITY OF EASTERN REGIONAL GRID



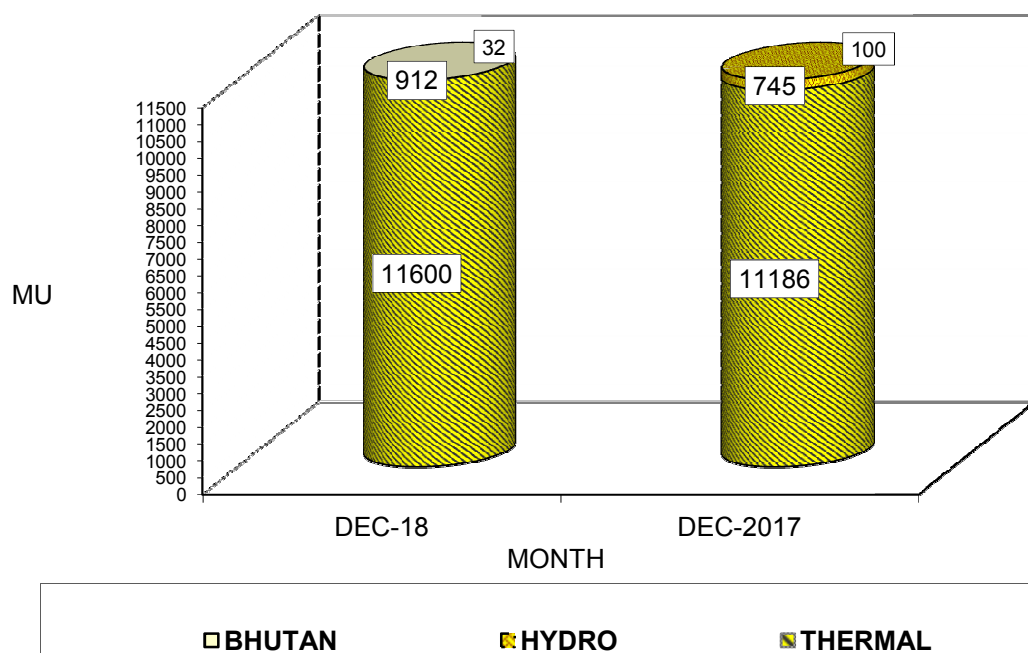
*Excludes 1350 MW contribution from HEPs of Bhutan

GENERATION CORRESPONDING TO PEAK DEMAND MET

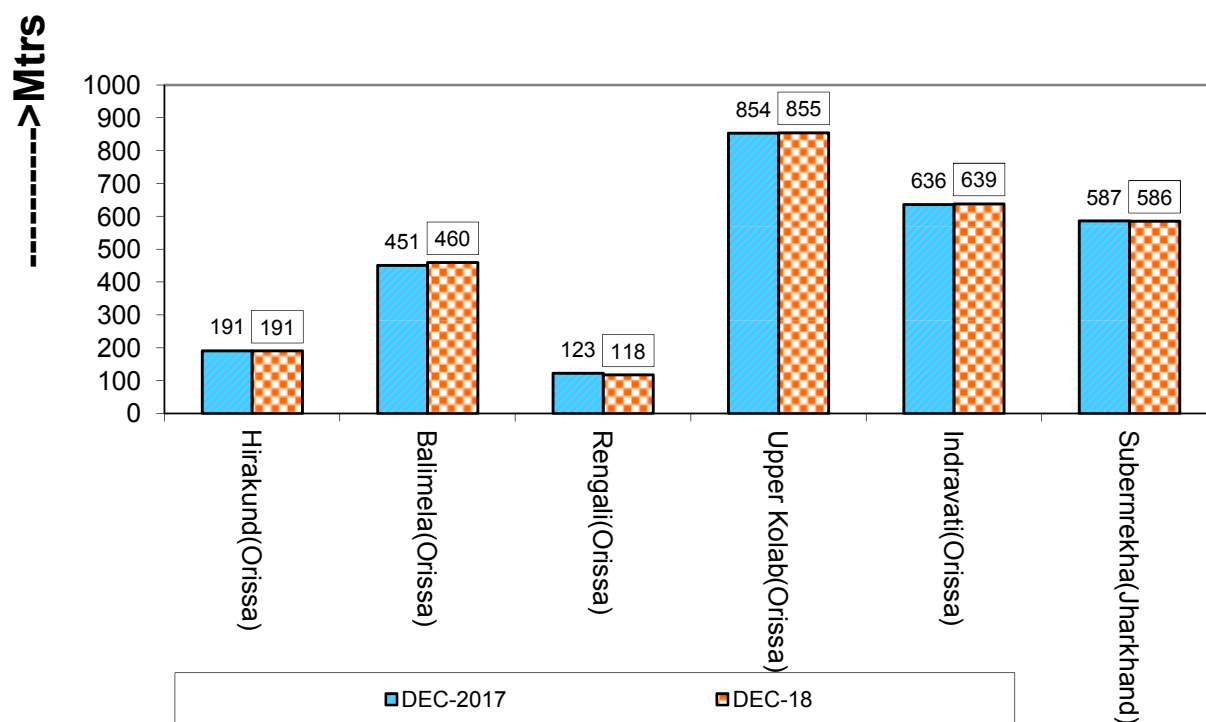


*Includes contribution from HEP of Bhutan

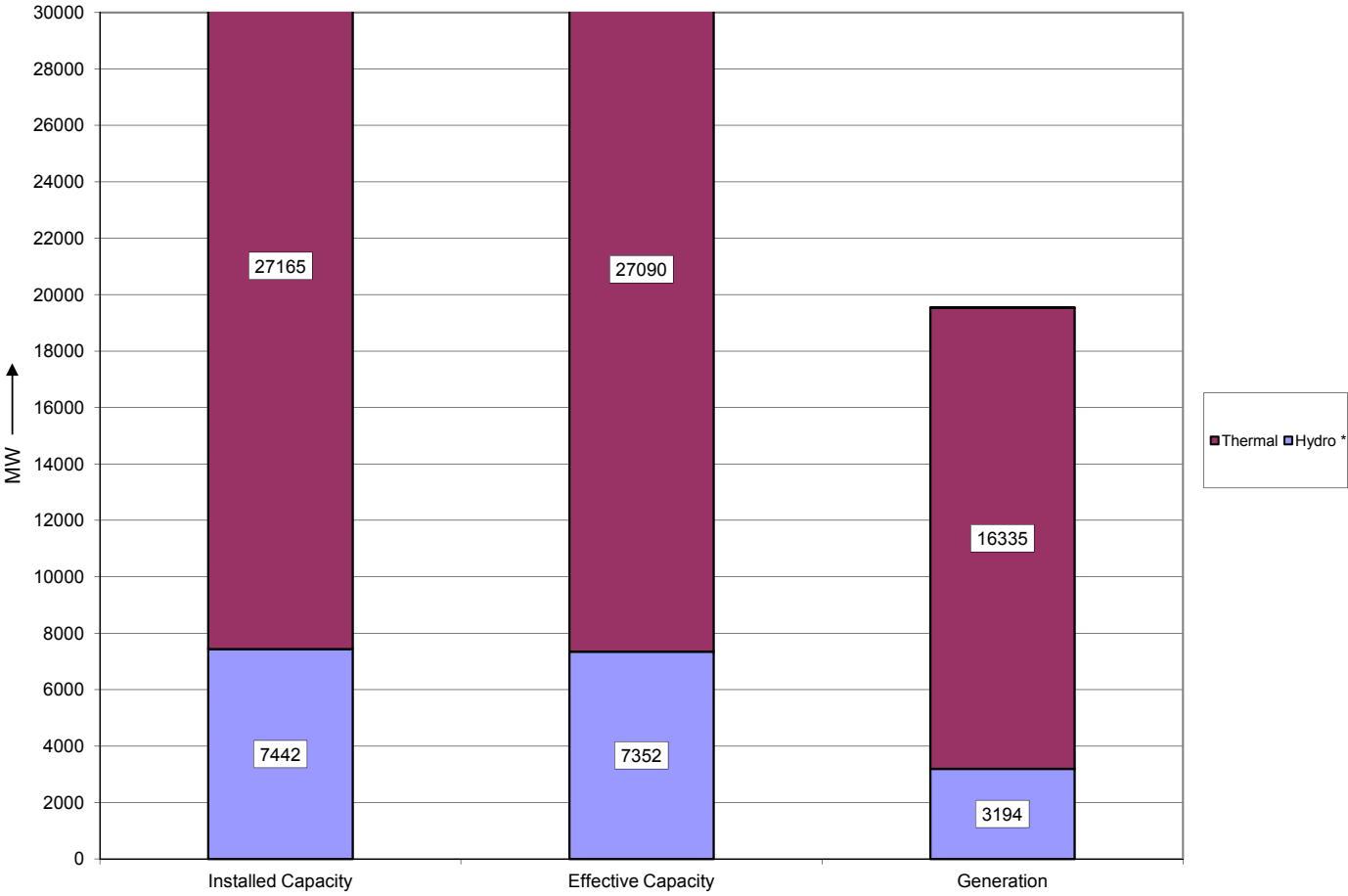
NET ENERGY GENERATION



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

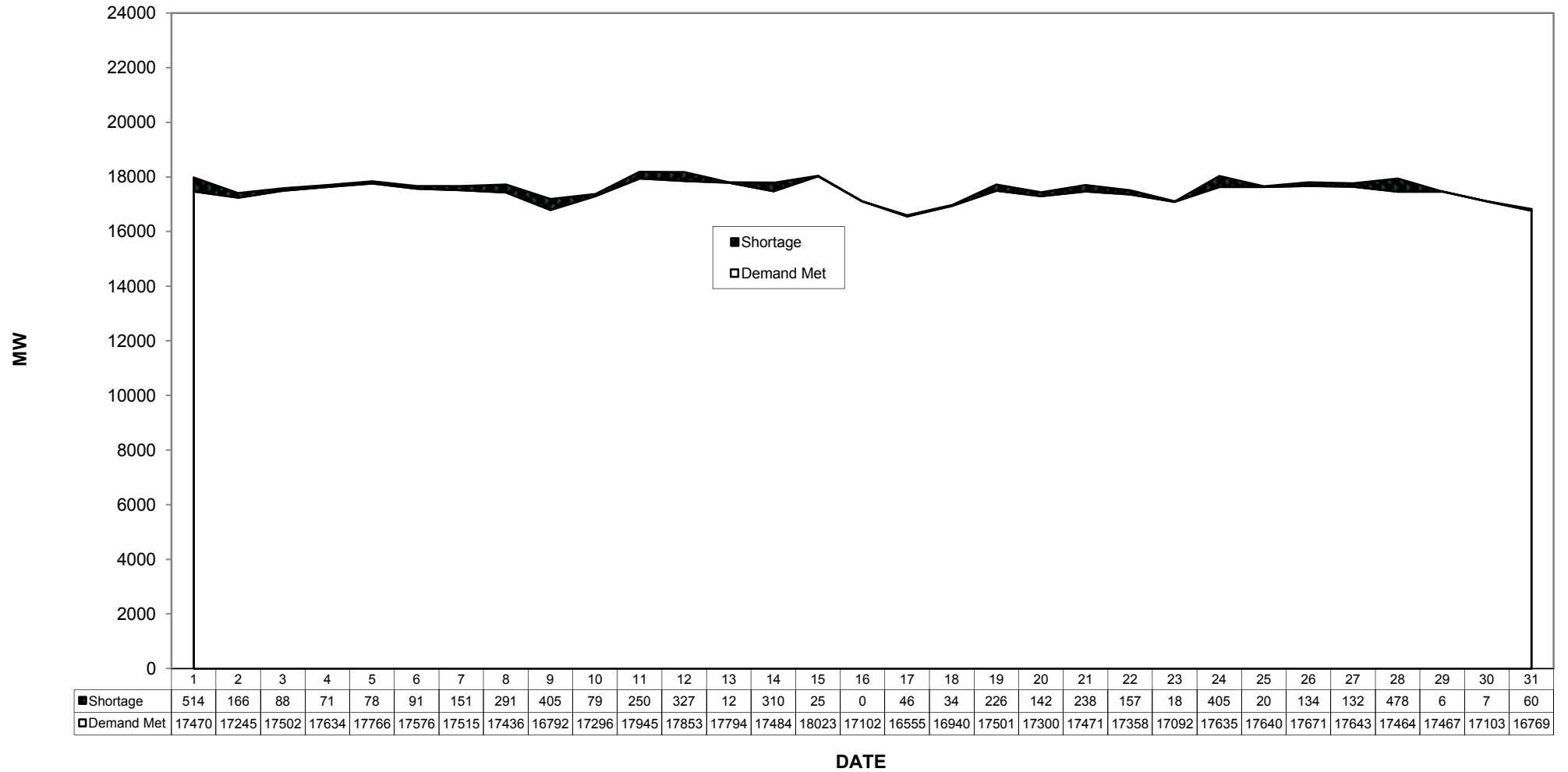


Capacity / Actual Generation Pattern of ER on Peak Day (15-12-2018) at 19.00 hrs.

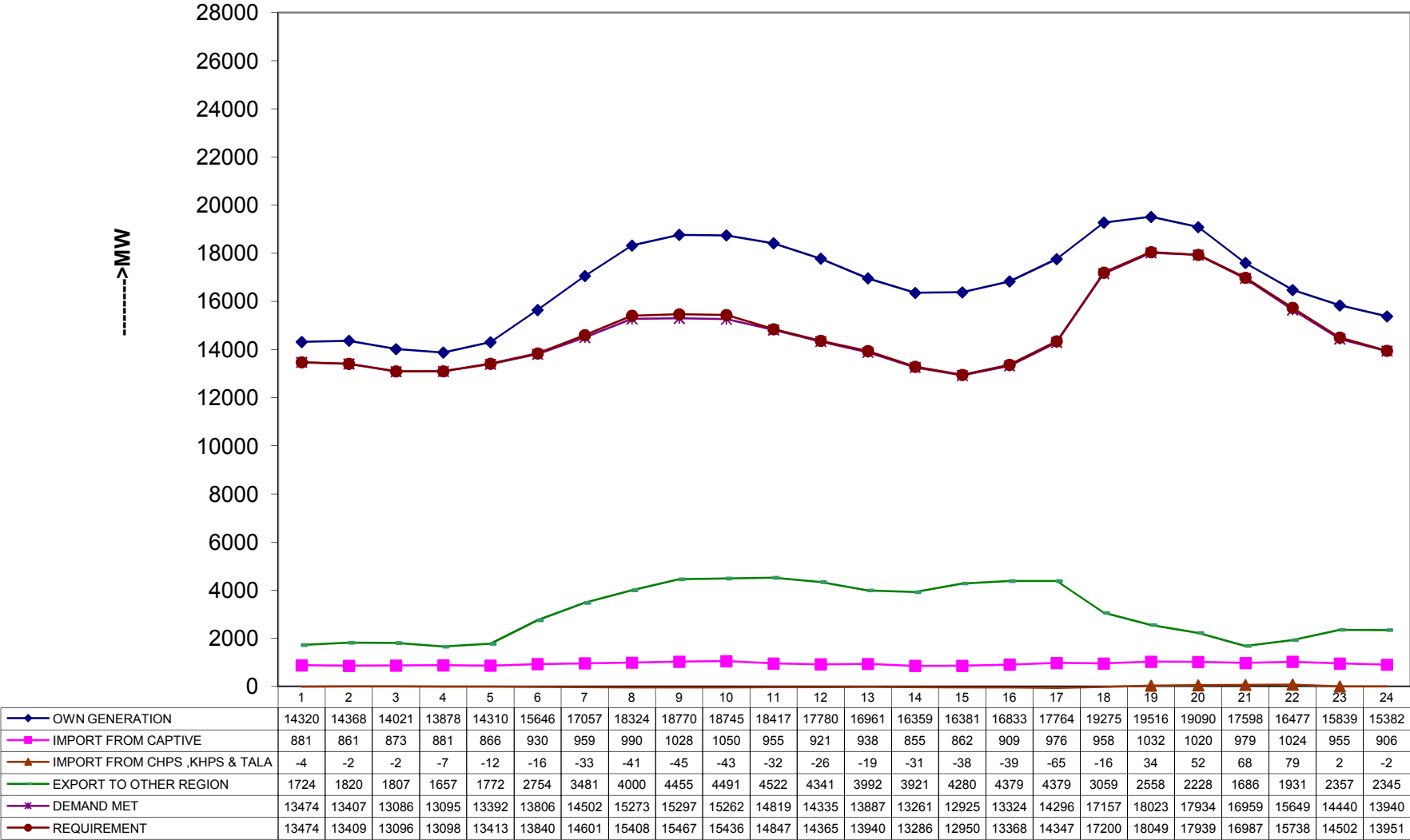


(*)--Includes contribution from HEP of Bhutan (Chukka, Kurichhu & Tala)

Peak Demand Met / Shortage of Eastern Region For The Month Of DECEMBER'2018

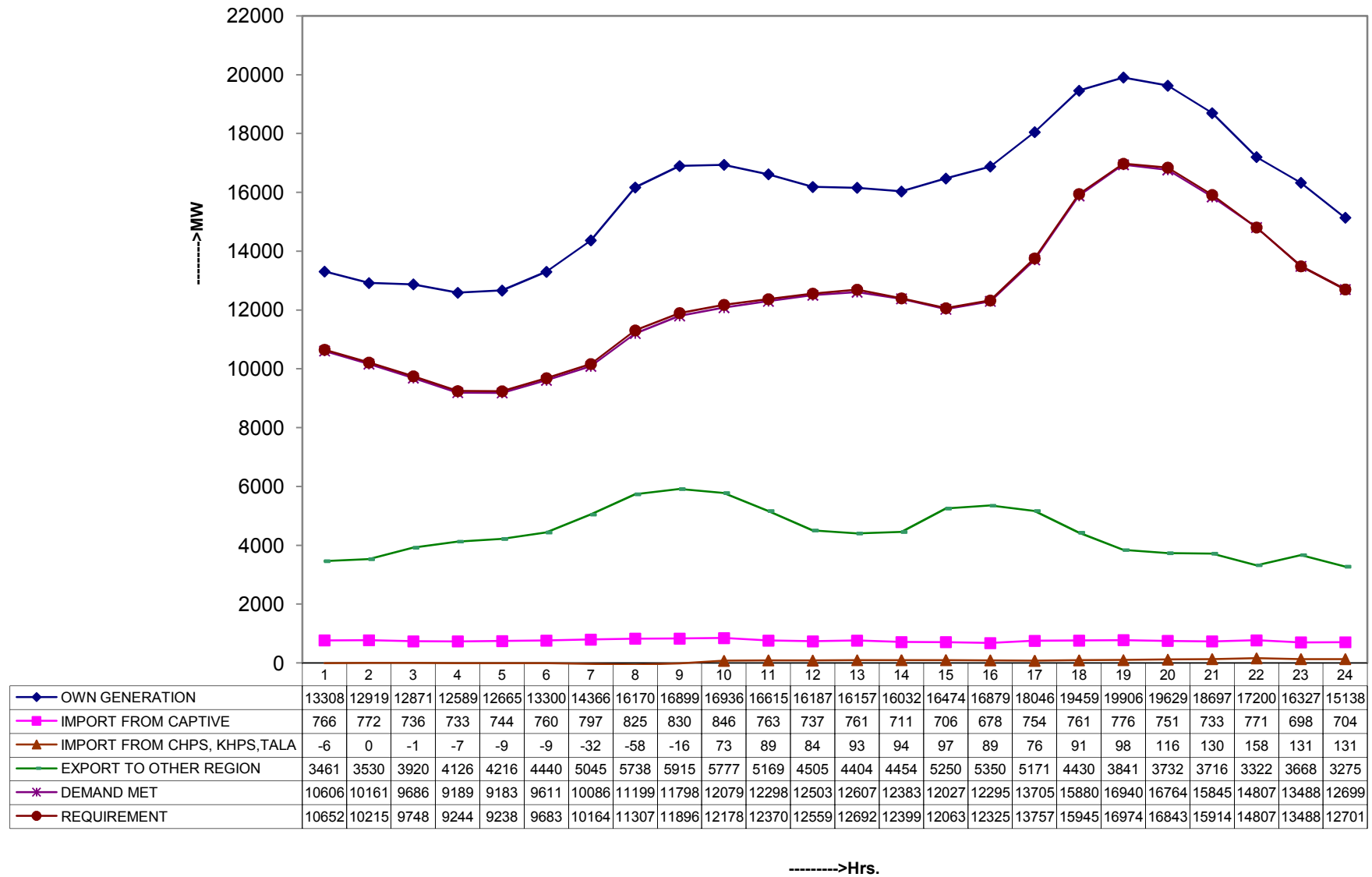


Hourly Load Generation Data OF ER On Regional Peak Day During The Month of DECEMBER'2018 (15-12-2018)



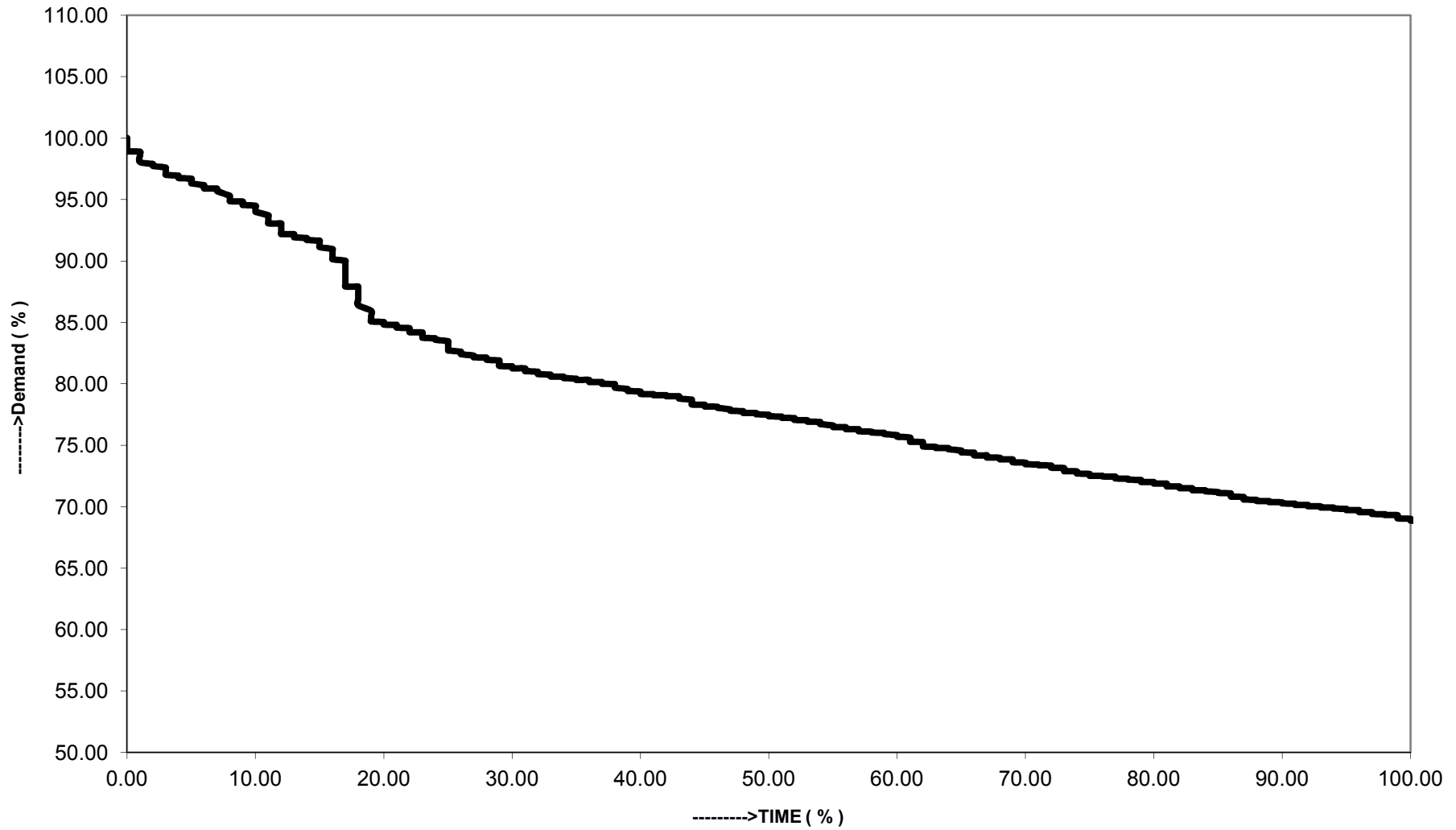
----->Hrs.

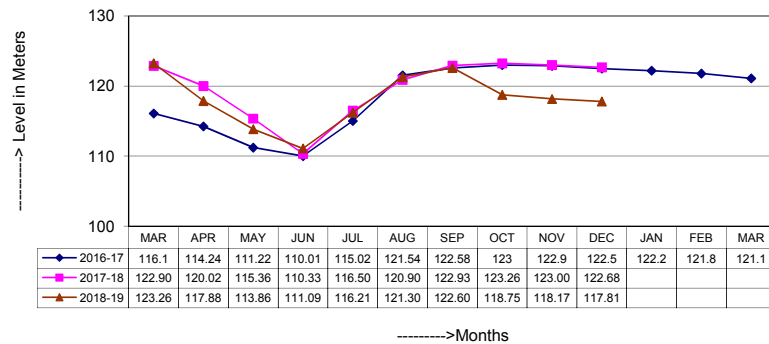
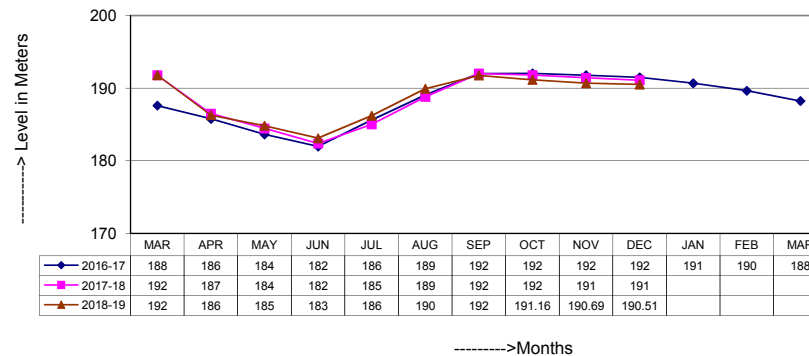
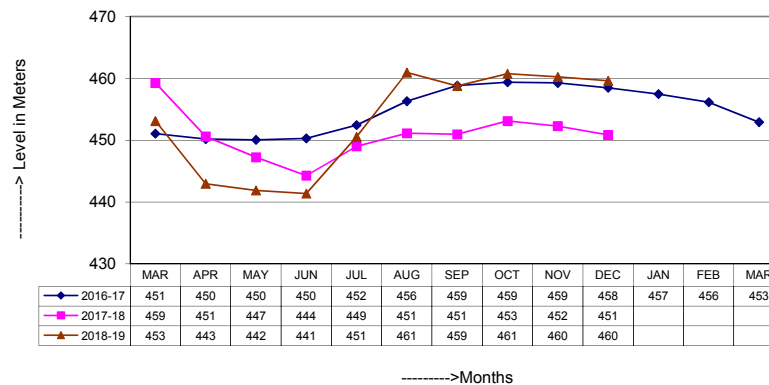
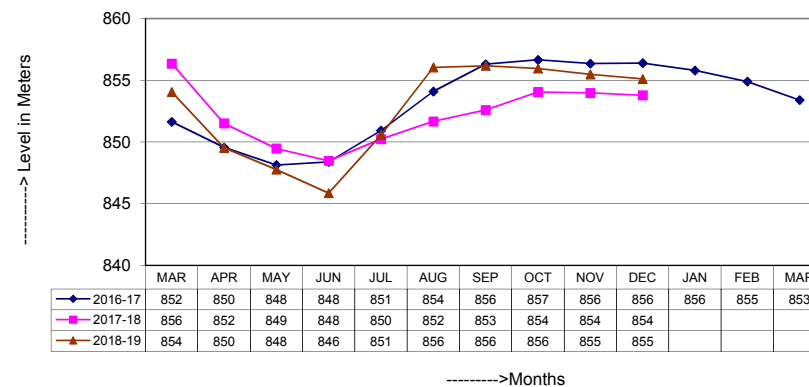
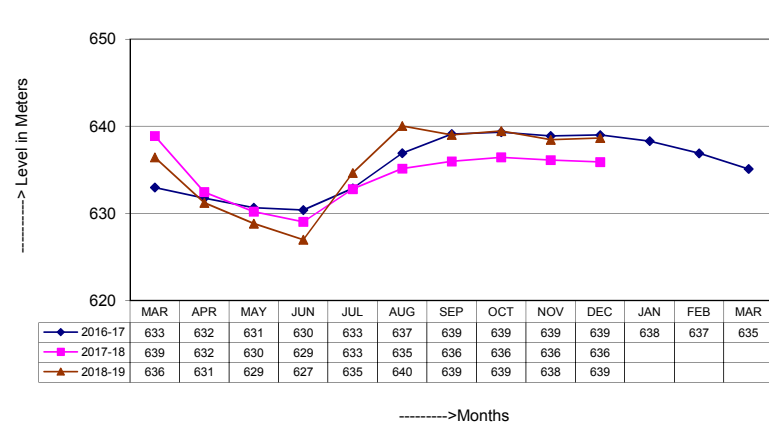
Hourly Load Generation Data of ER On Regional Lean Day During The Month of DECEMBER'2018 (18-12-2018)



Monthly Load Duration Curve of Eastern Region for DEC-18

Maximum Demand met : 18023 MW
Minimum Demand met: 9183 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**