



National Load Despatch Centre
POWER SYSTEM OPERATION CORPORATION LIMITED
(A wholly owned subsidiary of POWERGRID)
CIN No.: U40105DL2009GOI188682
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Weekly Report

Date: 18th April 2019

To,

1. कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. कार्यपालक निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. कार्यपालक निदेशक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र , अंधेरी, मुंबई - 400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यपालक निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यपालक निदेशक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Weekly Status Report 08th April 2019 to 14th April 2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 08 अप्रैल 2019 से 14 अप्रैल 2019, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट राभाप्रेके की वेबसाइट पर निम्न लिंक पर उपलब्ध है :-

As per article 5.5.1 of the Indian Electricity Grid Code, the weekly status report pertaining power supply position report of All India Power System for the week 08th April 2019 to 14th April 2019, is available at the NLDC website.

Thanking You.

Yours faithfully,


DGM (SO)

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (08 अप्रैल से 14 अप्रैल 2019 तक)

रिपोर्टिंग तिथि:-

18-Apr-19

(आई० ई० जी० सी० की धारा सख्या-5.5.1 के अंतर्गत)

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वांतर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
08-04-2019	46336	594	50742		44644		18850		2230	199	162802	793
09-04-2019	48028	521	50508		45307		14823		2269	247	160935	768
10-04-2019	48004	666	50898		45481		20142	107	2460	89	166985	862
11-04-2019	47675	774	50588		44531		20208		2514	42	165516	816
12-04-2019	48356	653	50439	12	45280		20635		2593	32	167303	697
13-04-2019	48189	701	49425		45732		19450		2620	44	165416	745
14-04-2019	46535	538	46848		42470		20432		2385	99	158670	637

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वांतर क्षेत्र		कुल	
	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन
	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)
08-04-2019	940	199	1219	29	1074	71	388	43	39	4	3660	346
09-04-2019	994	189	1236	32	1083	72	379	47	39	3	3731	342
10-04-2019	1010	194	1239	35	1091	81	393	56	41	4	3773	370
11-04-2019	1020	254	1246	42	1060	76	431	50	44	4	3800	427
12-04-2019	1017	197	1246	51	1083	78	446	57	46	4	3837	388
13-04-2019	1015	199	1231	39	1075	81	440	54	47	3	3809	375
14-04-2019	978	195	1193	27	1038	74	438	63	41	3	3688	362

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड
08-04-2019	5.31	5.31	79.34	15.35	50.00	0.032
09-04-2019	6.61	6.99	79.73	13.28	49.99	0.034
10-04-2019	12.84	16.37	74.06	9.57	49.97	0.062
11-04-2019	10.95	11.03	80.45	8.52	49.98	0.039
12-04-2019	11.61	13.18	73.62	13.19	49.98	0.055
13-04-2019	5.27	6.62	77.08	16.30	50.00	0.043
14-04-2019	5.10	5.51	75.25	19.24	50.01	0.033

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

5. Maximum Demand Met during the day & Peak Hour Shortage in States (in MW)

Region	Date	08-04-2019		09-04-2019		10-04-2019		11-04-2019		12-04-2019		13-04-2019		14-04-2019	
	States	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage
NR	Punjab	5591	0	5770	0	5906	0	5774	0	5584	0	5636	0	6708	0
	Haryana	6388	143	6645	19	6775	175	6764	0	6947	156	6686	200	6312	0
	Rajasthan	9395	0	9627	0	9879	0	9804	0	9800	0	9726	0	9432	0
	Delhi	4119	0	4229	0	4304	0	4613	0	4507	0	4134	0	4163	0
	UP	16968	0	17607	0	17298	0	17567	0	17910	0	18119	0	17898	0
	Uttarakhand	1673	0	1789	0	1791	0	1552	0	1810	0	1809	0	1719	0
	HP	1313	0	1379	0	1387	0	1341	0	1343	0	1379	0	1216	1
	J&K	1931	483	2071	518	2070	518	2166	541	1990	497	2006	501	2153	538
Chandigarh	182	0	189	0	189	0	199	0	195	0	182	0	175	0	
WR	Chhattisgarh	4499	0	4399	0	4491	0	4475	0	4481	0	4502	0	4444	0
	Gujarat	16877	0	16585	0	16552	0	16936	0	17262	0	16838	0	16409	0
	MP	9134	0	9705	0	9811	0	9822	0	9496	0	9727	0	9714	0
	Maharashtra	22436	0	22347	0	22279	0	22336	0	22423	12	22564	0	21170	0
	Goa	479	0	521	0	521	0	521	0	521	0	521	0	513	0
	DD	330	0	310	0	340	0	336	0	335	0	330	0	318	0
	DNH	808	0	800	0	808	0	808	0	812	0	807	0	780	0
	Essar steel	263	0	249	0	248	0	271	0	270	0	299	0	255	0
SR	Andhra Pradesh	8760	0	8834	0	8943	0	8552	0	8918	0	8946	0	8572	0
	Telangana	9172	0	9171	0	9242	0	8446	0	8987	0	8922	0	8692	0
	Karnataka	12412	0	11905	0	11773	0	11944	0	12301	0	12053	0	11174	0
	Kerala	4117	0	3988	0	4101	0	4183	0	4266	0	4316	0	4204	0
	Tamil Nadu	15401	0	15655	0	16047	0	15886	0	16040	0	15750	0	14250	0
	Pondy	417	0	419	0	429	0	431	0	425	0	417	0	383	0
ER	Bihar	4601	0	4048	0	4506	0	4819	0	4799	0	4603	0	4570	0
	DVC	3028	0	3029	0	3022	0	3212	0	3154	0	3062	0	3139	0
	Jharkhand	940	0	970	0	974	107	1083	0	1000	0	999	0	1027	0
	Odisha	4159	0	3960	0	4517	0	4258	0	4290	0	4570	0	4548	0
	West Bengal	7742	0	6977	0	7871	0	8464	0	8521	0	7962	0	8196	0
Sikkim	100	0	91	0	96	0	78	0	99	0	99	0	84	0	
NER	Arunachal Pradesh	102	4	120	4	136	2	120	1	123	1	120	2	117	2
	Assam	1302	50	1322	52	1466	7	1502	32	1562	8	1586	12	1374	42
	Manipur	160	6	167	3	181	3	180	2	181	2	177	1	170	3
	Meghalaya	338	0	317	1	337	0	340	0	346	0	337	0	297	24
	Mizoram	95	3	85	2	86	2	90	1	97	1	98	3	82	1
	Nagaland	138	3	127	4	138	3	121	3	132	2	131	2	120	2
	Tripura	212	12	215	14	222	12	242	3	253	3	255	14	277	4

6. Energy Consumption in States (MUs)

Region	States	08-04-2019	09-04-2019	10-04-2019	11-04-2019	12-04-2019	13-04-2019	14-04-2019
NR	Punjab	119.0	126.8	125.9	126.3	126.1	123.5	114.7
	Haryana	116.7	126.8	129.4	131.2	127.1	126.3	116.6
	Rajasthan	197.5	211.3	215.1	215.6	210.6	216.6	213.0
	Delhi	85.6	86.9	91.0	94.4	94.8	90.0	85.5
	UP	316.2	331.6	340.6	345.6	347.0	347.1	340.1
	Uttarakhand	34.6	37.0	37.9	31.3	37.8	38.9	35.7
	HP	25.4	26.2	25.3	25.2	26.7	26.8	24.8
	J&K	41.3	43.9	41.0	45.9	42.8	42.2	44.2
	Chandigarh	3.7	3.7	4.0	4.0	4.0	3.7	3.4
WR	Chhattisgarh	102.8	101.7	100.4	100.5	100.5	101.6	102.5
	Gujarat	378.0	379.7	379.9	386.5	389.4	383.1	369.0
	MP	197.6	210.4	212.3	212.8	211.5	213.7	211.1
	Maharashtra	497.4	499.9	500.8	502.7	501.4	489.9	468.4
	Goa	12.0	13.7	13.7	11.8	11.8	11.8	11.8
	DD	7.5	6.2	7.5	7.7	7.7	7.6	7.3
	DNH	18.7	18.9	19.0	19.0	18.8	18.7	18.3
	Essar steel	5.3	5.2	5.3	5.3	5.2	5.0	4.8
SR	Andhra Pradesh	191.4	194.1	195.9	175.0	192.0	191.0	192.4
	Telangana	204.0	206.7	205.5	192.6	190.1	187.4	198.2
	Karnataka	235.1	228.9	233.5	234.8	239.3	237.8	223.6
	Kerala	85.7	84.8	84.0	86.4	87.3	88.6	83.3
	Tamil Nadu	349.6	359.6	362.8	362.1	365.4	361.5	332.8
	Pondy	8.6	8.8	8.9	8.9	8.9	8.9	8.1
ER	Bihar	79.5	70.9	75.0	85.6	89.7	90.8	85.3
	DVC	63.8	69.2	69.7	66.5	69.7	65.4	69.0
	Jharkhand	18.7	20.9	22.5	22.9	23.9	20.7	24.3
	Odisha	85.9	83.2	89.0	89.5	89.3	91.4	93.6
	West Bengal	138.4	133.3	135.1	165.8	171.8	171.0	164.5
	Sikkim	1.3	1.0	1.3	0.8	1.2	1.1	1.1
NER	Arunachal Pradesh	2.0	2.1	2.1	2.2	2.3	2.2	2.0
	Assam	21.3	22.3	24.3	24.8	25.4	27.8	23.6
	Manipur	2.6	2.6	2.1	2.7	2.6	2.6	2.5
	Meghalaya	5.9	5.7	6.1	6.3	6.4	5.5	5.4
	Mizoram	1.7	1.6	1.5	1.8	1.9	2.0	1.7
	Nagaland	2.0	2.0	2.0	2.2	2.3	2.2	2.1
	Tripura	3.2	3.0	3.0	3.6	4.7	4.7	3.9
ALL INDIA TOTAL		3659.8	3730.6	3773.2	3800.3	3837.4	3808.6	3688.3

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (08 अप्रैल से 14 अप्रैल 2019 तक)

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

7. अंतर्क्षेत्रीय विनिमय [प्रथम क्षेत्र से द्वितीय क्षेत्र को आयात (+) / निर्यात (-)]							
दिनांक	08-04-2019	09-04-2019	10-04-2019	11-04-2019	12-04-2019	13-04-2019	14-04-2019
East to North	-45.8	-74.3	-67.0	-51.2	-45.7	-47.7	-52.4
East to West	35.9	31.9	38.5	43.6	43.1	40.3	42.4
East to South	-105.9	-107.1	-102.1	-98.7	-98.4	-98.9	-93.5
East to North-East	9.6	14.9	14.6	13.4	13.8	8.7	13.3
North-East to North	15.8	16.8	14.7	13.6	13.7	14.3	13.8
West to North	-109.2	-119.2	-118.5	-119.3	-125.4	-126.7	-116.1
West to South	-100.1	-94.1	-88.9	-84.0	-85.1	-83.3	-87.0

**भूटान , नेपाल एव बाग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL
EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH**

साप्ताहिक रिपोर्ट (08 अप्रैल से 14 अप्रैल 2019 तक)

अंतरराष्ट्रीय विद्युत विनिमय [भारत से दूसरे देश को आयात (+) / निर्यात (-)] Transnational Exchange from India (Import=(+ve) /Export =(-ve))

दिनांक Date	भूटान BHUTAN		नेपाल NEPAL			बाग्लादेश BANGLADESH		
	Energy Exchange	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)
08-04-2019	7.5	312	-7.8	-462	-324	-22.6	-1072	-940
09-04-2019	7.2	301	-7.0	-449	-292	-19.8	-944	-824
10-04-2019	6.0	248	-8.6	-548	-359	-20.7	-1076	-864
11-04-2019	7.2	302	-9.0	-529	-376	-22.9	-1120	-954
12-04-2019	8.1	338	-9.4	-560	-391	-20.8	-1005	-867
13-04-2019	8.7	361	-7.1	-599	-297	-22.2	-1086	-924
14-04-2019	10.2	425	-6.1	-356	-256	-20.4	-1008	-851
कुल Total	54.9		-55.1			-149.4		

8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time	Time				
1	SR	1) 220 kV Areakode -Kozhikode I 2) 220 kV Areakode -Kozhikode II 3) 220 kV Areakode -Kozhikode III 4) 400 kV Mysore-Kozhikode II 5) 220KV Areakode - Nallalam 1 6) 220KV Areakode - Nallalam 2 7) 220KV Areakode - Kanjirode 8) 220KV Areakode - Orkatteri 9) 220KV Areakode - Shornur 10) 220KV Areakode - Madakathara 11) 220KV Areakode Malaparamba	KSEB	10-04-2019	23:05:00	10-04-2019	23:37:00	00:32:00	As reported by Kerala SLDC, 220KV Bus-1 at Areakode was feeding from 400/220kv PGCIL (Kohikode) and Bus 2 at Areakode was feeding from 220KV Madakkathara (Kerala).While changing 220/110KV, 160 MVA ICT at Areakode from Bus1 to Bus2 in S/off condition, both buses accidentally coupled through Bus isolators and R-Y phase isolators got touched. During that instant, Bus differential relays acted and all incoming feeders and outgoing feeders connected to 220KV Areakode tripped.	205	1050	GD-1
2	WR	1) 400 kV Aurangabad(Waluj) Bus-1 2) 400 kV Aurangabad(Waluj)-Deepnagar-1 3) 400 kV Aurangabad(Waluj)-Aurangabad(PG)-2 4) 400/220 kV Aurangabad(Waluj) ICT-1 5) 400/220 kV Aurangabad(Waluj) ICT-2	MSETCL	12-04-2019	12:50:00	12-04-2019	13:07:00	00:17:00	At 12:50 hrs, 400kV Bus-1 tripped at Aurangabad(Waluj) which lead to tripping of connected lines/ICTs to 400 KV Bus-1. Tripping occurred due to DC leakage resulting in operation of bus bar protection of Bus-1 at 400 KV Aurangabad (Waluj) Substation.	Nil	Nil	GI-II
3	WR	1) 400kV Bus-1 at Chandrapur-2 2) 400 kV Chandrapur-Bhadravati-4 3) Chandrapur-Unit-8 (500MW) 4) Chandrapur-Unit-9 (500MW) 5) Dhariwal(STU)-Unit-1 (300MW) 6) Dhariwal(CTU)-Unit-2 (300MW)	MSETCL	12-04-2019	15:25:00	12-04-2019	17:02:00	01:37:00	At 15:25 hrs, R-phase pole of Tie CB of 400/220KV ICT-2 (normally kept ideal charged from 400KV side) burst while charging, resulting in 400KV Bus-1 tripping at Chandrapur-2 of Maharashtra. Fault was cleared in 300msec as observed on Bhadrwati PMU. No feeders tripped at Chandrapur-II as all Bus-1 feeders connected to Bus-II through Tie CB except ICT-II .But Unit-8, unit-9, Dhariwal unit-1 (named as STU connected) and Dhariwal-2(named as Dhariwal CTU) tripped on zerk. 400kV Bhadrwati-Chandrapur-IV tripped at Bhadrwati only on D/T receipt.	1500	Nil	GD-1
4	ER	1) 400 KV Teesta III-Kishanganj 2) 400kV Dikchu – Rangpo 3) 400kV Rangpo – Kishanganj 4) 400KV Teesta-3 –Dikchu	PG/NHPC / TUL	12-04-2019	23:55:00	13-04-2019	00:51:00	00:56:00	At 23:55 hrs, 12/04/19 400 KV Teesta III-Kishanganj tripped on R-Y-B-N Fault. As a result around 1865 MW generation of the entire complex started to flow through 400 KV Rangpo-Kishanganj SC . As no SPS operated , the said line tripped on overload resulting black out of 400 KV Substations of Rangpo /Dikhchu / Teesta-3 , 220KV Substations of –TashdingHEP /Melli/Jorethang HEP & 132 KV Substations of –Gangtok / Chuzazen HEP	1865	17	GD-1
5	WR	1) 400kV Bus-1 at Nagothane 2) 400kV Bus-2 at Nagothane 3) 400kV Nagothane-Dabhol line-1 4) 400kV Dabhol-Padghe line-1 5) 400kV Dabhol-Padghe line-2 6) 400/220kV ICT-1 at Nagothane 7) 400/220kV ICT-2 at Nagothane 8) 400/220kV ICT-3 at Nagothane	MSETCL	13-04-2019	22:49:00	14-04-2019	00:26:00	01:37:00	At 22:49hrs, bus bar protection operated at Nagothane S/S Maharashtra, resulting in tripping of 400kV Bus-1 and 400kV Bus-2, due to which 400kV Dabhol Nagothane line-1, 400kV Nagothane-Padghe line-1, 400kV Nagothane-Padghe line-2 and 400/220kV ICT-1, ICT-2 and ICT-3 tripped at Nagothane. As per PMU data, B phase to Earth fault is observed in 400kV Nagothane-Dabhol line-1. As reported by Maharashtra, Ips tubes fault is observed in yard of Bus coupler B ph.	Nil	Nil	GD-1