



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: 22nd March 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 नॉग्रह , 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 11th Mar 2019 to 17th Mar 2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 11 मार्च 2019 से 17 मार्च 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 11th Mar 2019 to 17th March 2019, is available at the NLDC website.

Thanking You.

Yours faithfully,

GM (SO)

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (11 मार्च से 17 मार्च 2019 तक)

रिपोर्टिंग तिथि:- 22-Mar-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		पूर्वोत्तर 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)
11-03-2019	40949	1403	47862		46561	218	17516		2454	69	155342	1690
12-03-2019	41737	1186	48609	99	45241		17917		2442	59	155946	1344
13-03-2019	42376	1197	47565		46415		17810		2443	30	156609	1227
14-03-2019	40886	811	47261		47162		17886		2479	22	155674	833
15-03-2019	41330	1001	47387		46148		17794		2455	64	155114	1065
16-03-2019	41852	990	48012		45912		20816		2317	208	158909	1198
17-03-2019	39952	467	44606		43170		17040		2382	54	147150	521

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर 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)
11-03-2019	897	140	1141	25	1093	73	394	35	43	4	3568	277
12-03-2019	918	143	1160	27	1101	71	407	33	43	3	3628	276
13-03-2019	925	145	1150	24	1095	72	410	39	42	4	3622	283
14-03-2019	890	141	1136	24	1104	71	409	36	43	3	3582	276
15-03-2019	904	146	1134	30	1107	70	392	40	43	3	3580	290
16-03-2019	923	145	1140	25	1095	69	393	35	42	4	3593	279
17-03-2019	898	139	1104	22	1041	60	379	36	42	3	3465	260

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
11-03-2019	11.26	14.40	74.88	10.72	49.97	0.062
12-03-2019	11.69	12.57	72.65	14.78	49.98	0.052
13-03-2019	6.94	7.60	76.98	15.42	49.99	0.042
14-03-2019	6.28	6.30	80.54	13.16	49.99	0.035
15-03-2019	2.06	2.06	82.95	14.99	50.01	0.021
16-03-2019	4.55	4.55	69.63	25.82	50.01	0.036
17-03-2019	8.01	8.36	69.86	21.78	50.00	0.045

*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	11-03-2019		12-03-2019		13-03-2019		14-03-2019		15-03-2019		16-03-2019		17-03-2019	
	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	5067	0	5548	0	5435	0	5151	0	5558	0	5701	0	5625	0
	Haryana	5944	0	6156	0	6206	0	5818	0	6102	0	6022	0	5650	0
	Rajasthan	10770	0	11161	0	11106	0	10942	0	10847	0	11010	0	10711	0
	Delhi	3529	0	3394	0	3557	0	3581	0	3745	0	3440	0	3378	0
	UP	13158	870	13570	750	13843	680	12975	260	13421	540	13906	310	14286	0
	Uttarakhand	1878	0	1821	0	1888	0	1901	0	1832	0	1849	0	1774	0
	HP	1543	0	1589	0	1648	0	1591	15	1662	0	1582	0	1412	0
	J&K	2239	560	2622	655	2555	639	2338	584	2194	548	2362	590	2251	563
Chandigarh	188	0	188	0	203	0	195	0	205	0	193	0	170	0	
WR	Chhattisgarh	4260	0	4131	99	4199	0	4239	0	4109	0	4191	0	4052	0
	Gujarat	15382	0	15106	0	15016	0	15141	0	15283	0	15306	0	15190	0
	MP	11452	0	11318	0	11353	0	11035	0	10912	0	10921	0	10261	0
	Maharashtra	21496	0	21662	0	21358	0	21232	0	20667	0	20592	0	19971	0
	Goa	440	0	440	0	440	0	440	0	440	0	515	0	516	0
	DD	323	0	335	0	331	0	329	0	328	0	321	0	310	0
	DNH	777	0	799	0	792	0	799	0	777	0	770	0	772	0
	Essar steel	368	0	315	0	379	0	384	0	310	0	529	0	516	0
SR	Andhra Pradesh	8838	0	8910	0	8880	0	8724	0	8714	0	8635	0	8465	0
	Telangana	10083	0	10294	0	10056	0	10121	0	10392	0	10132	0	9953	0
	Karnataka	12321	0	12448	0	12156	0	12181	0	12214	0	11909	0	11090	0
	Kerala	3851	0	3925	0	3933	0	3925	0	3980	0	3903	0	3737	0
	Tamil Nadu	15844	0	15689	0	15511	0	15745	0	15218	0	15364	0	13879	0
	Pondy	387	20	394	0	395	0	390	0	398	0	389	0	343	0
ER	Bihar	4123	0	4337	0	4241	0	4338	0	4350	0	4453	0	4232	0
	DVC	3122	0	3191	0	3110	0	3200	0	3020	0	3100	0	3054	0
	Jharkhand	1000	0	1056	0	1067	0	1000	0	1000	0	1163	0	999	0
	Odisha	4526	0	4424	0	4363	0	4129	0	4005	0	4474	0	3799	0
	West Bengal	7603	0	7830	0	8132	0	8136	0	6660	0	7832	0	6335	0
Sikkim	100	0	100	0	99	0	98	0	96	0	98	0	82	0	
NER	Arunachal Pradesh	126	1	122	3	126	1	129	1	131	2	122	1	107	2
	Assam	1396	42	1388	45	1438	14	1451	7	1446	57	1338	160	1404	46
	Manipur	195	2	196	2	195	2	185	2	177	3	179	1	177	3
	Meghalaya	366	0	360	0	368	0	366	0	362	0	333	0	320	0
	Mizoram	97	1	96	1	92	0	94	0	89	2	94	0	80	1
	Nagaland	126	3	118	2	117	2	117	2	111	1	125	1	106	2
	Tripura	241	0	228	0	241	2	262	1	237	1	250	0	247	5

6. Energy Consumption in States (MUs)

Region	States	11-03-2019	12-03-2019	13-03-2019	14-03-2019	15-03-2019	16-03-2019	17-03-2019
NR	Punjab	106.3	110.6	111.8	107.5	111.0	116.5	116.9
	Haryana	118.8	122.5	125.2	115.7	118.4	122.6	114.9
	Rajasthan	222.7	230.4	225.0	219.4	218.2	220.9	215.3
	Delhi	61.2	61.4	62.2	61.4	64.2	59.4	57.5
	UP	276.5	280.6	283.1	271.5	278.8	289.1	288.7
	Uttarakhand	34.7	35.7	36.9	35.5	35.7	36.0	33.7
	HP	28.1	28.1	29.9	29.2	29.1	28.0	25.2
	J&K	45.8	45.5	47.3	46.9	45.8	47.1	43.2
	Chandigarh	3.2	3.2	3.3	3.3	3.2	3.1	2.8
WR	Chhattisgarh	96.9	95.5	96.3	94.5	97.5	94.2	91.9
	Gujarat	333.7	334.4	330.9	332.3	334.5	334.3	327.0
	MP	218.8	222.0	219.1	212.2	210.7	212.6	199.5
	Maharashtra	449.1	463.7	459.1	452.8	448.9	451.2	439.0
	Goa	11.6	11.6	11.6	11.6	11.6	10.7	10.7
	DD	7.2	7.5	7.5	7.5	7.4	7.3	7.2
	DNH	18.1	18.6	18.6	18.7	18.2	18.1	18.2
	Essar steel	6.0	6.3	7.0	6.4	5.7	11.3	11.1
SR	Andhra Pradesh	196.6	199.2	198.1	197.4	197.4	196.6	192.0
	Telangana	223.7	220.4	220.9	228.0	229.3	229.4	224.4
	Karnataka	244.2	248.9	247.0	247.8	249.9	242.1	230.0
	Kerala	79.9	80.8	80.7	81.2	80.9	79.8	73.9
	Tamil Nadu	340.7	343.0	340.0	341.4	340.8	339.5	313.3
	Pondy	8.1	8.3	8.2	8.2	8.7	8.1	7.5
ER	Bihar	75.2	75.2	77.2	76.4	78.0	79.4	78.2
	DVC	66.9	68.2	67.6	66.4	63.4	64.6	64.5
	Jharkhand	23.9	24.7	24.1	22.1	20.0	20.8	20.1
	Odisha	88.4	88.8	86.2	86.0	85.5	84.3	81.3
	West Bengal	137.9	148.7	153.4	156.5	143.7	142.6	133.5
	Sikkim	1.5	1.4	1.3	1.3	1.1	1.2	1.1
NER	Arunachal Pradesh	2.2	2.3	2.4	2.3	2.1	2.1	2.1
	Assam	24.3	24.2	24.1	24.6	24.7	24.0	23.4
	Manipur	2.5	2.4	2.2	2.4	2.3	2.3	2.6
	Meghalaya	6.3	6.3	6.2	6.1	6.2	6.1	6.1
	Mizoram	1.6	1.7	1.6	1.7	1.6	1.5	1.9
	Nagaland	2.2	1.9	2.1	2.1	2.1	2.0	2.2
	Tripura	3.6	4.0	3.8	3.9	3.9	4.3	4.0
ALL INDIA TOTAL		3568.0	3628.1	3621.6	3582.1	3580.4	3593.2	3464.6

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

साप्ताहिक रिपोर्ट (11 मार्च से 17 मार्च 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	11-03-2019	12-03-2019	13-03-2019	14-03-2019	15-03-2019	16-03-2019	17-03-2019
East to North	-67.0	-69.2	-70.8	-62.0	-61.2	-63.0	-59.5
East to West	38.3	42.6	42.4	41.0	45.2	52.7	59.1
East to South	-113.5	-109.9	-103.9	-103.1	-103.9	-105.8	-100.6
East to North-East	9.9	11.0	13.7	10.9	8.2	6.4	5.9
North-East to North	15.1	14.8	16.2	13.1	10.8	8.7	8.6
West to North	-106.9	-109.2	-112.3	-105.8	-109.9	-113.8	-119.9
West to South	-105.6	-96.7	-101.2	-103.6	-108.1	-104.6	-98.0

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

साप्ताहिक रिपोर्ट (11 मार्च से 17 मार्च 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)
11-03-2019	0.4	16	-6.8	-297	-282	-20.0	-1019	-834
12-03-2019	0.6	23	-11.7	-611	-489	-20.0	-1024	-835
13-03-2019	3.8	157	-12.4	-635	-518	-20.4	-1033	-849
14-03-2019	0.5	20	-15.1	-693	-631	-20.2	-1022	-840
15-03-2019	1.7	71	-11.9	-572	-496	-19.4	-912	-810
16-03-2019	2.5	106	-10.3	-551	-429	-18.9	-1026	-788
17-03-2019	2.6	108	-11.9	-542	-497	-17.9	-919	-744
कुल Total	12.0		-80.2			-136.8		

8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration Time	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time					
1	ER/SR	1) HVDC Talchar-Kolar Pole-2	PG	12.03.2019	13:02	12.03.2019	13:45	0:43	On 12th March 2019, at 13:02 Hrs HVDC Talcher-Kolar Pole-II had tripped due to DC line fault. After tripping of Pole-II, flow on Pole-I jumped to 1250 MW in metallic return to ground return sequence start and after 1.5 minutes' flow on Pole-I reduced to 150 MW as there is electrode current limitation of 300 A. At Kolar end, both SPS TS-1 & TS-2 signals were generated and load relief in southern region was 1219 MW as per SCADA data. At Talcher end as per SPS 1000 scheme, SI Number 3 signal was generated and generation relief was 887 MW.	887	1219	GD-1
2	SR	1) SINGARENE UNIT 1&2 2) 400KV-SINGARENI-SUNDILA-1 & 2 3) 400KV-MEDARAM-RAMADUGU-1&2 4) 400KV-RAMADUGU-SINGARENI-1&2 5) 400KV-RAMADUGU-GAJWEL-1	TSTRANS CO/TELA NGANA	12.03.2019	17:03	12.03.2019	17:19	0:16	Both units of Singarene tripped at 17:03 hrs due to Bus Bar protection operation at 400 KV Ramadugu Substation, generation loss of around 1100 MW reported by SR	1100	Nil	GD-1
3	WR	1) 400kv Veloda Bus-I 2) 400kv Veloda-Charnaka-I 3) 400kv Veloda-Banaskantha-I 4) 400kv Veloda-Vadavi S/C 5) 400/220kv Veloda ICT-1	GETCO	12.03.2019	18:04	13.03.2019	14:35	20:31	At 18:04, 400kv Veloda Bus-1 tripped due to bus fault and resulted in tripping of multiple elements as mentioned.	Nil	Nil	GI-2
4	NR	1) Salal Unit – 1& 2 (115MW each) 2) 220kv Salal - Kishenpur 1,2,3 & 4 3) 220kv Salal - Gladni 1 & 2 4) 220kv Salal Bus 1 & 2	NHPC/PG /JKPDD	14.03.2019	15:11	14.03.2019	15:28	0:17	As reported by Salal (NHPC), due to Bus bar protection operation of Bus-2, all the lines emanating from Salal tripped from Salal end only along with units 1 & 2. At the time of tripping, all the lines and units were connected with Bus-2 only and Bus-1 was free and was charged through bus coupler. This arrangement was done by Salal (NHPC) for some testing purpose of Unit-5 as reported by Salal	120	Nil	GD-1
5	NR	1) 220 kv Akal-Bhu-I 2) 220 kv Akal- Amarsagar 3) 220 kv Akal- Barmer 4) 220 kv Akal- Dangari 5) 220 kv Akal- Bhensada 6) 220 kv Akal- Jajiya 7) 400 KV Akal-Ramgarh-II 8) 400/220 kv ICT-I 9) 220 KV Bus Coupler	RRVPNL	15.03.2019	0:13	15.03.2019	0:45	0:32	As reported by Rajasthan SLDC, Metering CT of 220 KV Bhu-I line blast and caught fire at Akal and same time ICT-I tripped with relay indication and complete LT supply got out.	Nil	300	GD-1
6	WR	1) 220kv Sagar-Damoh(PG)-1 2) 220kv Bina-Sagar-1 3) 220kv Traction feeder 4) 220/33kv, 100 MVA transformer at Sagar	MPPTCL	15.03.2019	7:01	15.03.2019	7:49	0:48	At 07:01hrs, LBB operated on 220kv Sagar Bus-1 and resulted in tripping of multiple elements.	Nil	80	GD-1