



National Load Despatch Centre
पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
POWER SYSTEM OPERATION CORPORATION LIMITED

(A Govt. of India Enterprise)

CIN No.: U40105DL2009GOI188682

B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref:POSOCO/NLDC/SO/Weekly Report

Date:24th March 2017

To,

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

Sub: Weekly Status Report 13th March to 19th March 2017.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 13 मार्च से 19 मार्च 2017, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट 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 13th March to 19th March 2017, is available at the NLDC website.

Thanking You.

Yours faithfully,

DGM (SO)

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

साप्ताहिक रिपोर्ट (13 मार्च से 19 मार्च 2017 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 24-Mar-17

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

क्षेत्र	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)
13-03-2017	31030	467	34010		37687		16316		2154	28	121196	495
14-03-2017	35783	487	41205	42	35257		17597	106	2227	78	132070	713
15-03-2017	35953	552	43011	32	38233		17930	106	2208	38	137335	728
16-03-2017	35588	490	43901	33	38865		17819		2049	240	138222	763
17-03-2017	36853	688	43249	96	39002	265	17540		2219	104	138863	1153
18-03-2017	37306	477	43476	22	38361		17814		1833	388	138790	887
19-03-2017	36428	465	40957	61	35812		17096		2119	132	132412	658

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)
13-03-2017	701	108	858	31	910	50	302	26	34	7	2805	222
14-03-2017	751	115	948	31	931	59	315	34	37	8	2983	246
15-03-2017	795	111	1009	42	921	62	334	34	38	7	3097	257
16-03-2017	810	112	1027	43	914	72	344	29	38	6	3133	262
17-03-2017	838	114	1035	35	928	80	353	33	37	6	3190	267
18-03-2017	835	114	1040	29	935	73	354	35	31	7	3194	258
19-03-2017	802	116	1004	25	895	64	341	31	33	7	3075	242

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
13-03-2017	0.50	0.50	63.02	36.48	50.03	0.038
14-03-2017	5.81	5.98	67.03	26.99	50.01	0.043
15-03-2017	7.26	7.73	80.60	11.67	49.98	0.039
16-03-2017	14.00	14.70	72.58	12.72	49.97	0.053
17-03-2017	13.97	14.07	75.79	10.14	49.97	0.047
18-03-2017	3.98	3.98	77.05	18.97	50.00	0.032
19-03-2017	7.65	7.82	79.86	12.31	49.98	0.038

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. Converter transformer of HVDC Pole-3 at Alipurduar first time charged at 1729 hrs on 15.3.17
2. 765/400 kV ICT-2 at Srikakulam first time charged at 2032 hrs on 16.3.17
3. 160 MVAR filter bank at Alipurduar first time charged at 1820 hrs on 17.3.17
4. 400/220 kV ICT-3 at Kharagpur first time charged on no load from 400 kV side at 1126 hrs on 19.3.17

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

Region	Date	13-03-2017		14-03-2017		15-03-2017		16-03-2017		17-03-2017		18-03-2017		19-03-2017	
	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	3487	0	4514	0	4836	0	4774	0	5271	0	5470	0	5275	0
	Haryana	5120	0	5081	0	5772	0	5873	0	5825	0	5922	0	5791	0
	Rajasthan	7796	0	7983	0	8472	0	8974	0	8810	0	9012	0	7688	0
	Delhi	2339	0	3015	0	3309	0	3309	7	3413	0	3173	0	3084	0
	UP	13202	0	13958	0	12022	0	12219	0	12847	0	12641	0	12388	0
	Uttarakhand	1254	0	1606	0	1749	0	1700	0	1777	0	1755	0	1668	0
	HP	1046	0	1244	0	1456	0	1393	0	1439	0	1428	3	1274	0
	J&K	1979	495	1949	487	1952	488	2021	505	1942	485	1909	477	1973	493
Chandigarh	146	0	146	0	192	0	192	0	190	0	180	0	165	0	
WR	Chhattisgarh	2921	0	3186	0	3415	0	3723	0	3546	0	3673	0	3420	0
	Gujarat	9624	0	11946	0	12856	0	13511	0	13488	0	13757	10	13446	0
	MP	8150	0	8506	0	8518	0	8477	0	8494	0	8444	0	7701	0
	Maharashtra	17878	0	20530	0	21190	0	20625	0	20475	0	20737	0	20133	0
	Goa	365	0	457	0	469	0	480	0	463	0	454	0	520	0
	DD	241	0	271	0	315	0	312	0	315	0	317	0	294	0
	DNH	661	0	628	0	682	0	727	0	714	0	714	0	713	0
	Essar steel	355	0	347	0	672	0	676	0	398	0	402	0	427	0
SR	Andhra Pradesh	7194	0	7103	0	7289	0	7193	0	7196	0	7339	0	6957	0
	Telangana	8474	0	8887	0	8741	0	8427	0	8381	0	8358	0	8125	0
	Karnataka	9672	0	9541	0	9600	0	9482	0	9623	0	9651	0	9210	0
	Kerala	3568	0	3514	0	3212	0	3461	0	3593	0	3460	0	3402	0
	Tamil Nadu	13252	0	13535	0	13624	0	13878	0	14135	0	13976	0	12672	0
	Pondy	332	0	335	0	333	0	318	0	331	0	335	0	300	0
ER	Bihar	3267	0	3400	0	3506	0	3451	0	3564	0	3490	0	3533	0
	DVC	2658	0	2818	0	2867	0	2923	0	2993	0	2938	0	3016	0
	Jharkhand	1060	0	1140	0	1177	0	1104	0	1170	0	1122	0	1128	0
	Odisha	3723	0	4294	0	3951	0	3893	0	3685	0	3991	0	3888	0
	West Bengal	5911	0	6634	0	6892	0	6963	0	6827	0	7073	0	6181	0
	Sikkim	90	0	90	0	93	0	90	0	84	0	96	0	84	0
NER	Arunachal Pradesh	120	2	115	2	112	3	101	4	99	4	108	1	110	2
	Assam	1254	7	1336	55	1310	12	1314	55	1333	50	1059	324	1247	78
	Manipur	151	1	154	1	154	2	141	4	137	2	137	2	152	3
	Meghalaya	285	0	277	0	270	0	264	0	319	0	255	0	293	0
	Mizoram	86	1	83	1	83	2	83	1	85	2	85	1	75	5
	Nagaland	90	1	77	1	94	1	89	2	95	0	91	1	110	2
	Tripura	184	0	202	1	201	1	230	0	196	0	146	12	156	16

6. Energy Consumption in States (MUs)

Region	States	13-03-2017	14-03-2017	15-03-2017	16-03-2017	17-03-2017	18-03-2017	19-03-2017
NR	Punjab	65.6	76.1	92.5	95.1	100.8	105.7	106.0
	Haryana	87.2	94.5	107.3	109.6	112.4	115.0	107.9
	Rajasthan	153.7	169.0	179.9	180.4	186.9	174.4	159.3
	Delhi	43.4	50.8	57.8	59.1	60.9	57.8	56.3
	UP	264.9	266.8	253.9	258.8	270.1	275.0	272.0
	Uttarakhand	22.4	27.4	31.8	32.3	32.9	33.0	31.2
	HP	19.3	22.3	25.8	27.9	27.9	28.1	24.9
	J&K	41.9	41.5	43.0	43.2	42.8	43.0	41.9
	Chandigarh	2.7	2.7	3.3	3.3	3.3	3.2	2.9
WR	Chhattisgarh	68.2	72.3	75.2	82.9	83.4	85.7	79.9
	Gujarat	211.7	251.2	282.5	295.7	301.3	300.8	293.8
	MP	160.2	163.4	163.9	165.9	167.7	165.8	153.2
	Maharashtra	388.1	428.8	447.8	442.4	442.0	446.5	436.9
	Goa	8.9	8.9	9.5	9.1	9.5	9.6	8.6
	DD	3.5	5.1	6.8	7.1	7.1	7.2	6.8
	DNH	10.6	12.4	15.4	16.2	16.2	16.1	16.4
		Essar steel	7.0	6.4	7.9	7.7	7.5	8.1
SR	Andhra Pradesh	161.4	160.2	162.0	165.0	158.6	163.1	159.1
	Telangana	168.4	177.4	179.5	170.6	171.5	173.6	169.9
	Karnataka	215.3	217.0	210.7	205.0	215.3	215.1	206.4
	Kerala	68.4	69.9	67.2	66.3	68.1	69.0	64.0
	Tamil Nadu	290.4	299.2	294.9	299.8	307.8	307.0	288.8
		Pondy	6.3	6.8	7.1	6.8	7.0	7.0
ER	Bihar	61.6	60.7	60.0	59.4	62.0	60.3	61.6
	DVC	54.2	57.9	59.8	68.5	70.7	71.8	68.4
	Jharkhand	21.9	22.3	23.0	23.7	23.9	22.5	22.8
	Odisha	69.4	70.8	75.7	75.3	75.7	74.6	75.9
	West Bengal	92.9	102.2	113.7	115.6	119.4	123.5	111.5
		Sikkim	1.9	1.4	1.9	1.9	1.5	1.2
NER	Arunachal Pradesh	2.0	2.0	2.3	2.1	1.9	1.7	1.7
	Assam	19.7	21.4	21.4	21.7	21.1	15.2	18.8
	Manipur	2.1	2.2	2.1	2.1	2.1	2.3	2.1
	Meghalaya	4.7	5.5	5.6	5.1	5.3	5.6	4.6
	Mizoram	1.4	1.4	1.4	1.4	1.5	1.4	1.3
	Nagaland	1.8	1.8	2.0	1.6	1.6	1.8	1.6
		Tripura	2.7	2.8	3.0	3.9	3.0	2.7
ALL INDIA TOTAL		2805.7	2982.6	3097.5	3132.5	3190.6	3194.4	3075.1

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

साप्ताहिक रिपोर्ट (13 मार्च से 19 मार्च 2017 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	13-03-2017	14-03-2017	15-03-2017	16-03-2017	17-03-2017	18-03-2017	19-03-2017
East to North	-48.2	-52.8	-53.5	-58.7	-66.6	-76.0	-63.0
East to West	18.2	18.2	16.0	30.3	21.8	16.0	11.0
East to South	-71.2	-74.0	-70.6	-67.9	-65.2	-70.0	-72.0
East to North-East	2.1	0.4	-1.5	-3.4	0.2	8.0	13.0
North to North-East	0.0	0.0	0.0	0.0	-2.1	-1.3	-12.0
West to North	-124.5	-121.1	-139.7	-137.1	-137.7	-145.2	-157.0
West to South	-50.7	-67.9	-62.3	-54.2	-54.3	-58.8	-52.5

भूटान , नेपाल एव बाग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH								
साप्ताहिक रिपोर्ट (13 मार्च से 19 मार्च 2017 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 (In MU)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)
13-03-2017	2.5	103	-5.5	-319	-227	-13.7	-624	-572
14-03-2017	3.2	133	-6.9	-378	-289	-14.0	-613	-582
15-03-2017	2.7	112	-7.4	-343	-309	-13.7	-608	-572
16-03-2017	1.9	77	-8.2	-398	-341	-14.0	-613	-584
17-03-2017	3.1	128	-8.4	-394	-350	-13.4	-622	-558
18-03-2017	3.2	132	-7.1	-333	-295	-12.8	-616	-531
19-03-2017	3.2	132	-7.4	-325	-309	-13.8	-616	-577
कुल Total	19.6		-50.9			-95.4		

8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid
				Date	Time	Date	Time					
1	NR	1) 400 kV Alaknanda HEP - Muzaffarnagar - 2 2) 400 kV Alaknanda HEP - Srinagar(UTT) 1 3)	UPCL	14.03.17	15:53	14.03.17	17:52	01:59	400 kV Alaknanda- Vishnuprayag tripped at 23:29 on 13/03/2017 on R-N fault.Charging attempt of which failed at 5:46 AM on 14/03/2017. When tried to open breaker of same line at 15:53 hrs on 14/03/2017 it resulted in tripping of all the line emitting from Alaknanda on 3 phase fault .			GI-II
2	NR	1) 400kV Ballabgarh-Kanpur 1& 3 2) FSC of Kanpur ckt 2 at Ballabgarh	PG	14.03.17	10:58	14.03.17	11:36	00:38	As per PMU max dip was observed in B phase and later second max dip observed in Y-phase.Probable distance protection operated by the blasts of FSC led to tripping of lines and also FSC of Kanpur ckt 2 B-phase signal column failure at Ballabgarh.			GI-II
3	WR	1)400 kV Bus 2@Vadodra 2)400 kV Vadodra Pirana 1 3)400 kV Vadodra Pirana 2 4)400 kV Vadodra Asoj 1 5)400 kV Vadodra Asoj 2 6)765/400 ICT 1@Vadodra 7) 765/400 ICT 2@Vadodra	PG	14.03.17	18:19	14.03.17	19:33	01:14	400 kV Vadodra Bus 1 was already under shut-down since 10:37 hrs for interconnection of new 400kV Bus with existing 400kV Bus # 1&2 at Vadodara GIS. At 18:19 hrs, Vadodra Bus-2 also tripped due to configuration issue in Busbar Bay units of Extension bays leading to tripping of all feeders at 400 kV Vadodra as intimated by RTAMC Vadodra.			GI-II
4	NR	1)400kV Kurukshetra(PG) —Abdullapur 1 2)Kurukshetra(PG)-Malerkotla(PG) 3)Kurukshetra(PG)-Sonipat-1 4)Kurukshetra(PG) —Abdullapur-2. 5) HVDC Champa-Kurushetra Pole-I	PG	14.03.17	00:19	14.03.17	01:16	00:57	While ramping down power at HVDC Pole-I, Non-tripping of AC Filter banks by RPC led to rise in Voltage.			GI-II
5	SR	1) 220 kV Hoody-HAL-I & II 2) 500 MVA ICT-I at Hoody	KPTCL	16.03.17	11:14	16.03.17	12:25	01:11	The given lines tripped on distance protection and ICT tripped later due to 400kV breaker control circuit DC ground problem.		330	GD-I
6	ER	1) 400 kV Sterlite-Meramundali 2) 400 kV Sterlite-Rourkela 3) Smelter Lines 4) Vedanta Unit-I II & III	Sterlite	17.03.17	10:22	17.03.17	10:39	00:17	Due to Y-phase Jumper snapping at Sterlite end of 400 kV Sterlite-Rourkela line the lines got tripped and load loss occurred at smelter plants.		800	GD-I
7	NR	1) 400kV Patiala-Ludhiana1 2) 400kV Patiala-Panchkula 2 3)400kV Patiala-Nallagarh 4)315MVA ICT-2 and 500MVA ICT-3 at Patiala	PG/Punjab	18.03.17	13:49	18.03.17	13:54	00:05	Probable mal-operation of relay led to tripping lines on Bus-bar protection.Bus-1 was already under shutdown, all lines were connected to Bus-2.			GI-II
8	WR	1)400 kV Bableswhar Bu -1 2)400 kV Bableswhar - Dhule-2 3)400 kV Bableswhar - Ektuni-2 4)400 kV Bableswhar - Padge-2 5)400 kV Bableswhar - Aurangabad S/C 6)400/220 kV Bableswhar ICT-2 7)400/220 kV Bableswhar ICT-3	MSETCL	18.03.17	16:30	18.03.17	17:33	01:03	Bus 1 tripped at Bableswhar 400 kV Substation on Busbar Protection due to conductor snapping of 400 kV Bableswhar-Ektuni-2 which fell on Bableswhar Bus-1. Elements connected to Bus-2 remained in service.		350	GD-I