



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: 29th March 2018

To,

- कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यपालक निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नॉग्रह , लापलंग, शिलॉंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 19th March to 25th March 2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 19 मार्च से 25 मार्च 2018, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 19th March to 25th March 2018, 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 (19 मार्च से 25 मार्च 2018 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 29-Mar-18

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)
19-03-2018	41630	573	45323	89	41413		20375		2268	75	151009	737
20-03-2018	41895	836	45875	23	43354	50	19483		2410	55	153017	963
21-03-2018	39635	900	44493	76	43947		20413	43	2391	41	150880	1060
22-03-2018	40332	835	45330	44	44780	215	20660		2411	68	153513	1162
23-03-2018	41923	839	44728	22	45444		20642		2294	107	155031	968
24-03-2018	40034	976	45577	44	44772		20783	77	2321	100	153487	1198
25-03-2018	38077	744	42743	31	42101	116	18161		2285	66	143366	957

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)
19-03-2018	916	101	1087	29	960	51	391	31	39	8	3393	220
20-03-2018	920	101	1103	24	989	63	396	33	42	8	3450	229
21-03-2018	876	99	1095	24	1024	62	414	35	40	7	3449	227
22-03-2018	883	104	1100	22	1039	62	417	34	40	6	3480	228
23-03-2018	912	103	1096	22	1059	67	418	35	38	6	3523	232
24-03-2018	901	103	1098	28	1057	67	424	38	39	7	3520	244
25-03-2018	868	101	1070	20	1008	53	407	22	39	6	3391	203

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
19-03-2018	8.73	8.73	79.91	11.37	49.98	0.037
20-03-2018	7.79	7.79	83.50	8.72	49.98	0.034
21-03-2018	6.19	6.33	86.17	7.50	49.98	0.031
22-03-2018	14.90	15.08	79.36	5.56	49.96	0.049
23-03-2018	7.28	7.28	81.82	10.90	49.98	0.034
24-03-2018	7.28	7.28	81.82	10.90	49.96	0.034
25-03-2018	5.13	5.13	83.32	11.55	49.99	0.029

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. 765 kV Bus-I and 765 kV 330 MVAR Bus Reactor at Gadarwara first time charged on 23.03.18 at 1240 hrs & 1804 hrs respectively
2. 765 kV Jabalpur-Orai-I first time charged on 25.03.18 at 1931 hrs
3. 765 kV Bus-II & 765 kV Bus Reactor-I at Orai first time charged on 25.03.18 at 2148 hrs & 2243 hrs respectively

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

Region	Date	19-03-2018		20-03-2018		21-03-2018		22-03-2018		23-03-2018		24-03-2018		25-03-2018	
	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	6121	0	5754	0	5017	0	4886	0	5846	0	5733	0	5493	0
	Haryana	6378	0	6456	104	6280	158	5745	475	6281	188	5993	0	5907	0
	Rajasthan	9630	0	9327	0	9453	0	9510	0	9513	0	9534	0	8918	0
	Delhi	3446	0	3506	0	3541	0	3523	0	3576	0	3295	0	3045	0
	UP	14957	0	15223	335	14413	375	14804	255	14974	275	14592	505	14152	255
	Uttarakhand	1769	0	1834	0	1819	0	1783	0	1914	0	1818	0	1737	0
	HP	1417	3	1452	0	1421	0	1446	0	1434	0	1472	0	1349	0
	J&K	2105	526	2094	524	1994	499	2019	505	2255	564	2099	525	2137	534
	Chandigarh	171	0	174	0	187	0	167	0	169	0	169	0	150	0
WR	Chhattisgarh	3761	0	3775	0	3710	0	3848	0	3824	0	3837	0	3589	0
	Gujarat	14763	0	14889	0	14424	0	14966	0	15029	0	15190	0	14233	0
	MP	8636	0	8710	0	8637	0	8684	0	8684	0	8748	0	8646	0
	Maharashtra	21629	0	21572	0	21576	0	21488	0	21163	0	20961	0	20215	0
	Goa	512	0	484	0	484	0	484	0	484	0	473	0	425	0
	DD	330	0	335	0	334	0	332	0	335	0	331	0	296	0
	DNH	758	0	770	0	751	0	773	0	739	0	761	0	749	0
	Essar steel	635	0	640	0	619	0	622	0	618	0	595	0	556	0
SR	Andhra Pradesh	7734	0	8232	0	8383	0	8424	0	8741	0	8730	0	8472	0
	Telangana	9631	0	9805	0	9919	0	10034	0	10211	0	10118	0	9670	0
	Karnataka	8738	0	9460	0	9568	0	10085	0	10462	0	10294	0	9988	0
	Kerala	3626	0	3745	0	3681	0	3660	0	3697	0	3802	0	3674	0
	Tamil Nadu	14195	0	14595	0	14500	0	14442	0	14930	0	14288	0	13423	0
	Pondy	345	0	348	0	346	0	359	0	356	0	352	0	315	0
	Bihar	4296	0	4293	0	4381	0	4459	0	4479	0	4464	0	4345	0
ER	DVC	3014	0	2875	0	2963	0	2961	0	3106	0	3323	0	2949	0
	Jharkhand	1192	0	1116	0	1177	0	1270	0	1165	0	1207	0	1140	0
	Odisha	4430	0	4283	0	4500	0	4365	0	4161	0	4257	0	4147	0
	West Bengal	8002	0	8060	0	8076	0	8303	0	8425	0	8898	0	7367	0
	Sikkim	101	0	101	0	101	0	99	0	86	0	89	0	81	0
	Arunachal Pradesh	109	6	117	2	94	15	96	5	96	2	95	2	103	6
NER	Assam	1297	25	1429	27	1437	22	1465	33	1365	55	1365	66	1369	33
	Manipur	172	5	175	2	169	8	161	2	167	3	176	1	174	3
	Meghalaya	308	9	319	0	289	23	285	1	294	2	302	2	279	1
	Mizoram	84	2	87	1	85	2	86	4	84	5	83	5	88	5
	Nagaland	117	1	116	4	121	8	125	3	132	2	132	2	130	4
	Tripura	244	1	242	0	240	2	251	2	256	1	233	2	258	0

6. Energy Consumption in States (MUs)

Region	States	19-03-2018	20-03-2018	21-03-2018	22-03-2018	23-03-2018	24-03-2018	25-03-2018
NR	Punjab	126.1	122.5	102.6	103.5	116.5	116.9	114.4
	Haryana	128.2	130.4	117.7	119.0	124.0	124.8	118.5
	Rajasthan	187.4	182.9	181.5	185.6	184.9	183.5	175.6
	Delhi	67.6	69.7	70.3	69.8	76.1	66.7	62.9
	UP	300.1	306.0	299.2	297.4	303.2	300.0	292.3
	Uttarakhand	34.6	35.2	33.8	36.3	36.0	35.8	33.1
	HP	24.9	26.5	26.1	26.1	25.5	26.5	24.3
	J&K	43.9	44.0	41.9	42.6	42.8	43.4	43.8
Chandigarh	3.1	3.2	3.3	3.1	3.2	3.1	2.8	
WR	Chhattisgarh	85.0	85.9	84.3	86.3	86.4	87.6	84.9
	Gujarat	322.0	326.2	322.4	326.1	328.2	327.3	315.7
	MP	177.4	177.6	176.2	177.3	177.3	177.3	173.4
	Maharashtra	455.1	463.4	462.1	460.1	455.9	458.3	451.0
	Goa	10.3	11.0	11.0	11.0	11.0	9.6	9.2
	DD	7.3	7.5	7.6	7.5	7.5	7.5	6.9
	DNH	16.9	17.9	17.8	18.0	17.2	17.8	17.4
	Essar steel	13.5	13.5	13.6	13.3	12.7	12.9	11.2
SR	Andhra Pradesh	164.5	172.5	178.1	181.3	184.2	184.9	182.6
	Telangana	210.4	218.7	222.2	223.3	228.1	226.2	219.6
	Karnataka	193.1	200.5	214.4	219.8	229.7	228.0	218.8
	Kerala	70.8	74.9	76.7	76.5	75.9	75.7	71.4
	Tamil Nadu	314.0	314.6	325.0	330.7	333.1	334.9	308.7
	Pondy	7.2	7.5	7.4	7.6	7.6	7.7	7.1
ER	Bihar	74.5	76.2	79.6	81.5	82.1	82.3	81.2
	DVC	67.8	65.3	67.1	67.4	68.6	69.6	65.5
	Jharkhand	24.2	22.9	24.8	24.3	25.3	24.8	20.6
	Odisha	80.4	83.9	90.5	86.8	82.5	84.9	84.5
	West Bengal	143.4	146.3	150.3	155.9	158.4	161.6	154.0
	Sikkim	1.2	1.4	1.5	1.4	1.2	1.3	1.1
NER	Arunachal Pradesh	2.2	2.2	2.1	2.0	2.2	2.2	2.3
	Assam	20.9	23.7	22.6	23.0	21.1	22.2	21.7
	Manipur	2.2	2.4	2.3	2.3	2.2	2.3	2.2
	Meghalaya	5.0	5.8	5.5	5.4	5.0	5.1	5.1
	Mizoram	1.4	1.5	1.5	1.5	1.5	1.5	1.4
	Nagaland	2.6	2.1	2.1	2.1	2.0	2.0	2.0
	Tripura	4.1	4.0	3.9	3.8	4.0	4.0	4.0
ALL INDIA TOTAL		3393.3	3449.8	3448.9	3479.7	3523.0	3519.8	3391.3

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

साप्ताहिक रिपोर्ट (19 मार्च से 25 मार्च 2018 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	19-03-2018	20-03-2018	21-03-2018	22-03-2018	23-03-2018	24-03-2018	25-03-2018
East to North	-50.5	-43.7	-36.8	-40.8	-45.8	-46.0	-48.7
East to West	12.3	21.3	42.0	43.1	27.0	31.4	36.0
East to South	-79.6	-84.0	-88.2	-85.1	-87.3	-90.6	-91.1
East to North-East	-1.8	-2.5	-2.1	-3.0	-1.2	-2.2	-2.4
North-East to North	0.0	0.0	0.0	0.0	0.0	0.0	0.0
West to North	-88.1	-85.9	-86.1	-89.9	-91.6	-101.2	-95.6
West to South	-47.5	-57.1	-60.5	-52.6	-66.5	-68.9	-67.9

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

साप्ताहिक रिपोर्ट (19 मार्च से 25 मार्च 2018 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)
19-03-2018	2.7	111	-10.3	-487	-430	-14.7	-643	-612
20-03-2018	2.3	96	-10.3	-486	-427	-15.0	-648	-623
21-03-2018	1.8	76	-10.0	-276	-415	-14.6	-776	-607
22-03-2018	2.5	104	-10.6	-301	-441	-14.6	-645	-609
23-03-2018	1.4	58	-10.9	-521	-456	-14.5	-640	-603
24-03-2018	1.9	79	-10.3	-477	-428	-14.8	-652	-619
25-03-2018	0.8	34	-8.9	-452	-369	-14.8	-647	-617
कुल Total	13.4		-71.2			-103.0		

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	ER	1) 400/220 kV Biharshariff ICT-I,II & III	PGCIL/Bseb	19.03.2018	02:02	19.03.2018	03:09	1:07	At 02:02 Hrs, All 3 ICT's at Biharshariff tripped on backup over current protection.it was later informed that conductor of 400kV Biharshariff-fatua-1 line snapped. subsequently, a Y_B fault occurred and persisted for 1300 msec.after tripping 220kV Tenughat-Biharshariff was getting overloaded.Hence local load of Biharshariff and other out going 132kV lines were manually tripped.	0	135	GD-I
2	ER	1. 132kV Lakhisharai(PG)-Lakhisarai(BH) D/C	PGCIL/Bseb	19.03.2018	05:35	19.03.2018	06:14	0:39	At 05:35 hrs, 132kV Lakhisharai(PG)-Lakhisarai D/C tripped on R-N fault distance protection from lakhisarai(PG) end.Total Voltage loss occurred at Lakhisharai(BH) and resulted in load loss 110MW.	0	110	GD-I
3	ER	1) 220 KV Muzaffarpur-Hazipur-II	BSPTCL	21.03.2018	13:03	21.03.2018	13:25	0:22	At 12:57 hrs, 220 KV Muzaffarpur-Hazipur-I tripped due to B-N fault and at 13:03hrs 220 KV Muzaffarpur-Hazipur-II tripped due to Y-B. As Hazipur was radially fed from Muzaffarpur through 220 KV Muzaffarpur-Hazipur-D/C lines, total 175 MW including 45 MW traction load loss occurred	0	175	GD-I
4	NER	1) 132 kV Agartala – AGTCCPP I & II 2) 132 kV Agartala – Budhjungnagar 3) 132 kV Agartala – Rokhia I 4) 132 kV Agartala – Surajmaninagar I & II 5) 132 kV Agartala – Dhalabil 6) 132 kV Monarchak – Rokhia	AGTCCPP	22.03.2018	09:55	22.03.2018	10:05	0:10	At around 09:55 Hrs, all lines connected to 132 kV Agartala Grid Substation got tripped on Earth fault. Details of Lines Tripping are as below: (a) 132 kV Agartala – AGTCCPP I & II: E/F at AGTCCPP end (b) 132 kV Agartala – Rokhia I : E/F at Rokhia ends (c) 132 kV Agartala – Budhjungnagar : E/F at Budhjungnagar end (d) 132 kV Agartala – Surajmaninagar I & II : E/F at Surajmaninagar end (e) 132 kV Agartala – Dhalabil : E/F at Dhalabil end (f) 132 kV Monarchak – Rokhia : E/F at Rokhia end As reported the fault was in 132 kV Agartala – Rokhia Line I and the breaker at Agartala end did not open. As a result all connected lines to Agartala bus got tripped on Back up E/F.	81	55	GD-I
5	SR	1) 400kV Sriperumbudur-chatram 2) 400kV Sriperumbudur-thiruvalem 3) 400kV Sriperumbudur-Nellore D/C 4) 400kV Sriperumbudur-chittoor 5) 400/220kV Sriperumbudur ICT-I,II & III	TNEB	24.03.2018	18:02	24.03.2018	18:25	0:23	At 18:02Hrs, Bus-bar protection operated at 400kV Sriperumbudur S/s due to Y-ph CT blast of 400/220kV ICT-2 occurred resulted in tripping of all lines emanating from 400kV and all three 400/220kV ICTs at Sriperumbudur. Load loss of 300MW was reported.	0	300	GD-I
6	ER	1) 150 MVA ATR-I at Patratu (JSEB)	DVC/ JSEB	25.03.2018	14:25	25.03.2018	14:47	00:22	220/132 kV, 150 MVA ATR-II at Patratu (JSEB) was already under shutdown.132 KV Bus at Patratu become dead when 220/132 kV, 150 MVA ATR-I at Patratu (JSEB) tripped on E/fault at 14:25 hrs. 30 MW load loss at Patratu in DVC system occurred since 132 KV Patratu (DVC) is radially connected through 132 KV Patratu (JSEB) - Patratu (DVC).	0	30	GD-I