



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: 15th May 2018

To,

- कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, 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, शिलोंग - 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 7th May to 13th May 2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 7 मई से 13 मई 2018, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 7th May to 13th May 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 (07 मई से 13 मई 2018 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 15-May-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)
07-05-2018	45951	807	48159	71	41198		20971		2189	198	158468	1076
08-05-2018	45787	567	48150	96	40250		20222	130	2166	249	156576	1042
09-05-2018	44172	655	48015	143	39617		20062	500	1927	381	153793	1679
10-05-2018	46880	1413	48222	226	38069	45	19440	130	2007	232	154619	2046
11-05-2018	49527	623	47930	106	38518		17874		2212	180	156060	910
12-05-2018	47196	494	47190		38463		20658		2320	90	155827	584
13-05-2018	32182	476	45340	22	34628		17156		2208	118	131514	616

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)
07-05-2018	1042	167	1166	49	937	56	448	63	35	13	3628	348
08-05-2018	976	179	1177	52	942	46	453	76	35	13	3583	366
09-05-2018	1012	169	1177	53	920	49	440	68	30	14	3579	354
10-05-2018	1049	161	1188	60	910	52	427	71	33	15	3606	359
11-05-2018	1110	160	1175	24	908	48	426	56	34	16	3653	303
12-05-2018	1113	180	1159	29	884	33	427	50	38	16	3620	308
13-05-2018	992	179	1132	31	832	28	403	43	37	15	3397	296

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
07-05-2018	21.52	26.09	67.13	6.78	49.95	0.087
08-05-2018	12.86	13.56	79.97	6.47	49.97	0.048
09-05-2018	22.82	27.95	68.25	3.80	49.94	0.093
10-05-2018	42.65	54.27	44.38	1.35	49.89	0.174
11-05-2018	25.50	28.17	67.22	4.61	49.94	0.088
12-05-2018	16.66	17.75	74.79	7.45	49.97	0.058
13-05-2018	7.50	7.53	77.60	14.86	49.99	0.040

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

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

Region	Date	07-05-2018		08-05-2018		09-05-2018		10-05-2018		11-05-2018		12-05-2018		13-05-2018	
	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	5972	0	6420	0	6420	0	6678	0	7074	0	7250	0	6117	0
	Haryana	6899	96	5986	0	6370	133	6549	200	7123	50	6725	975	6749	13
	Rajasthan	9588	0	8816	251	9571	0	9516	188	10272	0	10246	0	10175	0
	Delhi	4968	0	4687	0	4730	0	4881	0	5272	0	5364	0	5338	0
	UP	16708	260	16002	0	15463	0	16408	0	17349	0	17717	0	17160	10
	Uttarakhand	1931	0	1732	0	1947	0	1846	75	1846	75	2097	0	1759	0
	HP	1284	0	1219	0	1307	5	1377	0	1221	0	1346	0	1152	0
	J&K	2085	521	2269	567	2032	508	2041	510	2176	544	2060	515	2135	534
Chandigarh	225	0	480	0	212	0	229	0	258	0	251	0	207	0	
WR	Chhattisgarh	3879	0	3803	0	3749	0	3850	0	3770	0	3610	0	3486	0
	Gujarat	15515	0	15458	0	15459	0	15757	0	15918	0	15705	0	14975	0
	MP	8590	0	8723	0	8754	0	8866	0	8743	0	8718	0	8497	0
	Maharashtra	23030	0	22969	0	23042	0	23327	0	22394	0	22288	0	21832	0
	Goa	512	0	512	0	512	0	476	0	507	0	505	0	477	0
	DD	312	0	309	0	321	0	339	0	331	0	331	0	303	0
	DNH	731	0	746	0	755	0	761	0	743	0	728	0	729	0
	Essar steel	231	0	223	0	89	0	348	0	271	0	290	0	270	0
SR	Andhra Pradesh	8266	0	8592	0	8640	0	8435	0	8710	0	8820	0	8095	0
	Telangana	7068	0	7129	0	7058	0	6792	0	6936	0	6732	0	6431	0
	Karnataka	9571	0	9590	0	8996	0	9049	0	8975	0	7400	0	7161	0
	Kerala	3774	0	3327	0	3600	0	3482	0	3109	0	3271	0	2802	0
	Tamil Nadu	14480	0	14180	0	13998	0	14048	0	14608	0	14791	0	13209	0
	Pondy	387	0	371	0	380	0	370	45	384	0	387	0	355	0
ER	Bihar	4665	0	4814	0	4656	0	4509	0	4672	0	4664	0	4691	0
	DVC	3035	0	3082	0	2981	0	2845	0	3060	0	3003	0	2959	0
	Jharkhand	1269	0	1335	0	1291	0	1266	0	1252	0	1318	0	1205	0
	Odisha	4650	0	4518	0	4245	0	4105	0	3948	0	4493	0	4128	0
	West Bengal	8204	0	7957	0	8590	0	8378	0	7497	0	8051	0	7639	0
	Sikkim	98	0	96	0	89	0	87	0	90	0	86	0	79	0
NER	Arunachal Pradesh	122	4	119	7	109	9	115	2	110	2	104	0	95	2
	Assam	1369	32	1328	190	1185	305	1270	160	1428	79	1412	71	1422	108
	Manipur	135	14	160	3	126	9	142	3	146	0	150	2	161	4
	Meghalaya	269	6	251	0	255	0	270	0	279	0	292	0	280	5
	Mizoram	74	1	77	2	71	5	73	4	73	1	78	1	73	3
	Nagaland	101	10	115	3	95	10	113	3	114	2	115	3	109	5
	Tripura	212	26	227	18	145	38	145	53	162	23	215	3	179	7

6. Energy Consumption in States (MUs)

Region	States	07-05-2018	08-05-2018	09-05-2018	10-05-2018	11-05-2018	12-05-2018	13-05-2018
NR	Punjab	128.3	135.3	141.1	151.1	158.0	149.1	130.9
	Haryana	138.5	112.1	130.6	139.8	145.5	149.2	122.6
	Rajasthan	203.8	191.2	204.7	208.1	227.2	222.7	217.5
	Delhi	102.7	97.1	95.5	97.2	105.5	108.7	100.3
	UP	363.8	334.9	331.4	340.1	365.6	373.9	327.6
	Uttarakhand	39.2	35.3	38.0	36.6	36.3	42.7	33.4
	HP	23.5	22.6	24.7	30.6	24.0	24.3	21.0
	J&K	37.5	41.7	41.8	40.8	43.1	37.4	34.6
Chandigarh	4.4	5.7	4.2	4.6	5.0	4.9	4.4	
WR	Chhattisgarh	88.7	90.5	88.5	89.1	86.9	81.9	82.6
	Gujarat	345.1	347.0	346.7	350.9	354.3	350.2	338.8
	MP	190.6	190.8	194.0	195.3	195.4	193.0	186.0
	Maharashtra	502.0	508.5	509.1	513.0	498.1	493.3	484.7
	Goa	11.2	11.2	11.2	8.6	10.3	10.9	10.0
	DD	7.1	7.1	7.0	7.5	7.5	7.5	7.0
	DNH	17.2	17.7	17.7	17.8	17.3	17.2	17.3
	Essar steel	4.0	3.7	3.0	5.4	5.0	4.8	5.4
SR	Andhra Pradesh	172.7	178.4	179.3	178.1	176.7	172.4	164.0
	Telangana	148.9	154.1	149.4	146.8	150.5	146.2	136.1
	Karnataka	206.4	208.3	197.0	190.4	175.8	157.5	153.3
	Kerala	75.1	72.7	69.8	69.6	70.2	68.9	62.2
	Tamil Nadu	325.3	321.0	316.9	317.2	327.0	330.1	309.1
	Pondy	8.1	7.9	8.1	8.1	8.3	8.4	7.7
ER	Bihar	89.7	92.5	82.9	88.9	87.6	88.6	88.1
	DVC	70.3	70.4	69.9	66.1	72.5	70.9	68.2
	Jharkhand	25.0	26.7	25.8	25.0	25.4	25.7	23.2
	Odisha	92.7	92.3	91.1	83.1	83.6	88.5	81.8
	West Bengal	169.4	170.2	168.9	162.5	155.2	152.0	140.4
	Sikkim	1.3	1.4	1.3	1.1	1.4	1.3	1.2
NER	Arunachal Pradesh	2.1	2.1	2.0	2.0	1.8	1.9	1.9
	Assam	19.5	20.6	17.3	20.4	20.2	21.9	22.0
	Manipur	2.2	2.1	1.7	1.7	1.8	2.0	1.9
	Meghalaya	4.6	3.9	3.1	4.3	4.6	4.9	4.7
	Mizoram	1.7	1.5	1.4	1.2	1.3	1.6	1.4
	Nagaland	2.0	1.9	1.6	1.6	1.8	1.7	1.6
	Tripura	3.2	2.7	2.6	1.9	2.6	3.7	3.6
ALL INDIA TOTAL		3627.8	3582.8	3579.3	3606.3	3653.0	3620.2	3396.6

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

साप्ताहिक रिपोर्ट (07 मई से 13 मई 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	07-05-2018	08-05-2018	09-05-2018	10-05-2018	11-05-2018	12-05-2018	13-05-2018
East to North	-66.3	-53.8	-63.1	-75.3	-72.2	-56.3	-49.4
East to West	33.4	40.0	36.5	25.8	28.7	40.9	38.3
East to South	-76.6	-75.8	-72.1	-73.8	-73.3	-73.7	-71.0
East to North-East	6.8	6.6	11.4	11.1	10.1	8.2	6.5
North-East to North	0.0	0.0	0.0	0.0	0.0	0.0	0.0
West to North	-132.3	-119.5	-125.0	-138.0	-179.7	-160.9	-129.7
West to South	-25.1	-42.8	-33.9	-34.5	-14.5	18.0	-13.7

भूटान , नेपाल एव बाग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH								
साप्ताहिक रिपोर्ट (07 मई से 13 मई 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)
07-05-2018	11.9	496	-10.3	-490	-430	-14.5	-667	-603
08-05-2018	15.7	656	-9.8	-434	-409	-14.9	-669	-622
09-05-2018	10.9	456	-7.6	-279	-318	-14.8	-642	-618
10-05-2018	8.7	362	-9.4	-445	-393	-14.2	-636	-590
11-05-2018	8.1	339	-9.3	-416	-388	-14.4	-612	-601
12-05-2018	6.6	277	-9.7	-506	-405	-14.6	-667	-609
13-05-2018	5.7	237	-9.5	-494	-397	-14.9	-656	-620
कुल Total	67.7		-65.8			-102.3		

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) 220kV Gaya-BodhGaya Ckt-I & II	BSPHCL/PG	08-05-2018	20:38	08-05-2018	21:01	0:23	At 20:38 hrs, HV side B Ph- CT of 150 MVA ICT-II blasted, leading to bus bar protection operation at 220 KV Main bus at Bodhgaya. Total load loss was 310 MW, including 30 MW traction loss at Rafiganj and Paharpur Rly.Gaya(PG) detected B-N fault with 5.155KA with 100% line distance.	0	310	GD-1
2	ER	1) 400 kv Andal-Raghuathpur d/c 2) 400 kv Andal-Jamsedpur d/c	DVC	10-05-2018	06:11	10-05-2018	07:42	1:31	At 06:11 hrs, 400 kv Andal-Raghuathpur d/c and 400 kv Andal-Jamsedpur d/c tripped. RTPS-DSTPS-I (main-i): Z-1,R-N,FD-70.5 KM,FC-1.2 KA.(main-ii): Z-I,R-N,FD:244.3 KM.at RTPS end.RTPS-DSTPS-II(main-i)Z-I,B-N,FD:53.1 KM,FC:5.32 KA.(main-ii)Z-I,B-N,FD-51.9KM,FC-5.31KA.ANDAL generation loss 900 mw due to loss of evacuation path. JSR-ANDAL-D/C: JSR END:TRIPPED DUE TO POWER SWING	900	0	GD-1
3	ER	1) 132kV Melli-Rangpo 2) 132kV Melli-Siliguri	Sikkim	10-05-2018	16:58	10-05-2018	17:49	0:51	At 16:58 Hrs, 132kV Melli-Rangpo & 132kV Melli-Siliguri tripped on R_Y_N Fault causing power failure at melli and kalingpong, total load loss . Inclement weather reported in and around melli.	0	30	GD-1
4	NER	1) 400 kV Silchar-Palatana-I & II 2) 132 kV Silchar – Srikona Line-I & II 3) 132 kV Silchar – Srikona Line-I	PG/Neepco/ Tsecl	11-05-2018	08:49	11-05-2018	09:03	0:14	At around 08:49 Hrs , 400 kV Bus dead occurred at Palatana Sub station. The sequence of Events is as follows: (a) 400 kV Silchar-Palatana-I line tripped at 08:49 Hrs, Silchar- Z1, Yph, 44.3 km; Palatana- Z-2, Yph, 220km. (b) 400 kV Silchar-Palatana-II line tripped at 08:49 Hrs, Silchar- Z1, Rph, 41.4 km, Auto reclose successful at Silchar end ; Palatana- Z-2, Rph, 225km. The line tripped finally from Silchar end at 08:55 Hrs due to DT received. Due to the above incident, Palatana generation tripped immediately with 400 kV Bus dead at Palatana. Also SPS operation took place at Silchar S/S and consequently following lines tripped. (c) 132 kV Silchar – Srikona Line-I (d) 132 kV Silchar – Srikona Line-II (e) 132 kV Silchar – Srikona Line-I As reported by SLDC Tripura, Monarchak generation also tripped on high frequency oscillation due to above incident. Due to the above incident, Total Generation loss was about 595 MW (Palatana-517 MW and Monarchak-78 MW) & there is no load loss reported by the constituents	595	0	GD-3
5	ER	1)220 KV Muzaffarpur-Hajipur I 2)220 KV Muzaffarpur-Muzaffarpur(Kanti) I 3)400/220 ICT 1 & 2 (315 MVA each) 4)2*100 MVA 220/132 KV ICTs 5)132kV Muzaffarpur-Dhalkebar	DVC	11-05-2018	06:11	10-05-2018	07:42	1:31	At 18:38 hrs, 220 KV Bus I at Muzaffarpur tripped due to Bus fault. Consequently following elements on Bus I tripped: • 220 KV Muzaffarpur-Hajipur I • 220 KV Muzaffarpur-Muzaffarpur(Kanti) I • 400/220 ICT 1 & 2 (315 MVA each) • 2*100 MVA 220/132 KV ICTs (Flow of Muzffarpur-Dhalkebar became zero) 6. At 18:38hrs 132kV Muzaferpur-Dhalkebar line tripped resulting 240MW load loss. There is no generation loss reported. The CB was closed at Dhalkebar end	0	240	GD-1