



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 22nd Apr 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, 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. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, 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: Daily PSP Report for the date 21.04.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-अप्रैल-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उपलब्ध है।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 21st Apr 2018, is available at the NLDC website.

धन्यवाद,

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

Report for previous day

Date of Reporting

22-Apr-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	45163	47055	43374	19238	2256	157087
Peak Shortage (MW)	478	0	0	0	131	609
Energy Met (MU)	957	1166	999	436	35	3593
Hydro Gen(MU)	118	35	71	48	8	280
Wind Gen(MU)	8	41	35	-----	-----	84
Solar Gen (MU)*	17.85	22.65	60.18	0.88	0.00	102
Energy Shortage (MU)	10.0	0.0	0.0	0.0	1.8	11.8
Maximum Demand Met during the day (MW) (from NLDC SCADA)	46364	50880	44570	20049	2223	159952

B. Frequency Profile (%)

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.055	0.00	1.01	14.58	15.59	79.29	5.12

C. Power Supply Position in States

Region/Region	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	5643	0	109.5	43.8	-0.4	123	0.0
	Haryana	6739	0	125.4	60.0	2.0	238	0.1
	Rajasthan	8967	0	194.6	65.9	0.7	502	0.0
	Delhi	4195	0	88.3	71.6	-1.4	195	0.2
	UP	16181	0	333.7	113.3	2.0	753	0.0
	Uttarakhand	1800	0	37.1	21.1	1.2	226	0.1
	HP	1289	0	24.0	15.6	0.8	106	0.0
	J&K	1920	480	40.6	30.3	-2.0	331	9.6
WR	Chandigarh	187	0	3.9	4.0	-0.1	37	0.0
	Chhattisgarh	3842	0	88.5	29.3	-2.0	105	0.0
	Gujarat	15427	0	348.9	180.5	3.9	337	0.0
	MP	8848	0	190.3	96.1	-2.0	240	0.0
	Maharashtra	22835	0	498.0	131.5	-1.8	314	0.0
	Goa	533	0	12.0	11.4	-0.1	39	0.0
	DD	328	0	7.4	6.5	0.9	106	0.0
	DNH	756	0	17.7	16.8	0.8	98	0.0
SR	Essar steel	157	0	2.8	2.3	0.5	163	0.0
	Andhra Pradesh	8890	0	185.0	62.9	1.9	420	0.0
	Telangana	8173	0	176.2	66.5	-1.9	279	0.0
	Karnataka	9900	0	212.9	65.4	-0.8	350	0.0
	Kerala	3595	0	77.6	51.3	1.2	190	0.0
	Tamil Nadu	14807	0	339.4	168.5	2.8	430	0.0
ER	Pondy	376	0	8.3	8.2	0.1	30	0.0
	Bihar	4698	0	89.4	86.9	-0.3	350	0.0
	DVC	3089	0	68.6	-54.4	3.8	450	0.0
	Jharkhand	1131	0	22.7	15.9	0.7	350	0.0
	Odisha	4297	0	85.5	30.7	-1.3	220	0.0
	West Bengal	8050	0	168.6	54.5	1.3	300	0.0
NER	Sikkim	89	0	1.2	1.5	-0.3	10	0.0
	Arunachal Pradesh	110	3	2.1	2.0	0.2	45	0.0
	Assam	1371	93	19.3	16.7	-0.1	75	1.6
	Manipur	151	4	2.1	2.4	-0.4	33	0.0
	Meghalaya	297	0	4.9	3.1	-0.1	44	0.0
	Mizoram	84	1	1.3	1.3	-0.1	32	0.0
NER	Nagaland	125	3	1.9	1.9	-0.1	25	0.0
	Tripura	152	6	3.3	2.8	-0.2	53	0.1

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual(MU)	6.5	-10.3	-13.9
Day peak (MW)	357.4	-495.7	-613.8

E. Import/export By Regions(in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	177.7	-204.5	88.5	-63.9	3.7	1.5
Actual(MU)	183.8	-218.4	90.8	-57.4	0.1	-1.2
O/D/U/D(MU)	6.0	-14.0	2.3	6.5	-3.6	-2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6738	12006	7252	1540	155	27690
State Sector	8890	15769	4600	5245	50	34554
Total	15628	27775	11852	6785	204	62244

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	566	1206	649	472	7	2900
Hydro	118	35	72	48	8	281
Nuclear	23	31	46	0	0	100
Gas, Naptha & Diesel	34	59	21	0	23	136
RES (Wind, Solar, Biomass & Others)	54	64	135	2	0	255
Total	795	1395	923	522	38	3673

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रिड)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 22-Apr-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
								Import=(+ve) /Export =(-ve) for NET (MU)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	0	0	0.0	4.9	-4.9
2		SASARAM-FATEHPUR	S/C	120	107	0.1	0.0	0.1
3		GAYA-BALIA	S/C	0	457	0.0	7.4	-7.4
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	3	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	88	0	1.2	0.0	1.2
7		PUSAULI -ALLAHABAD	S/C	103	36	1.6	0.0	1.6
8		MUZAFFARPUR-GORAKHPUR	D/C	81	503	0.0	4.8	-4.8
9		PATNA-BALIA	Q/C	0	978	0.0	15.8	-15.8
10		BIHARSHARIFF-BALIA	D/C	0	283	0.0	3.9	-3.9
11		MOTIHARI-GORAKHPUR	D/C	0	260	0.0	4.7	-4.7
12		BIHARSHARIFF-VARANASI	D/C	322	331	0.0	1.4	-1.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	206	0.0	4.0	-4.0
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	36	0	0.4	0.0	0.4
16		KARMANASA-SAHUPURI	S/C	3	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						3.2	46.9	-43.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1027	0	14.7	0.0	14.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	576	58	8.9	0.0	8.9
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	659	55	6.4	0.0	6.4
21		RANCHI-SIPAT	D/C	288	0	4.6	0.0	4.6
22	220 kV	BUDHIPADAR-RAIGARH	S/C	20	115	0.0	0.4	-0.4
23		BUDHIPADAR-KORBA	D/C	265	0	4.7	0.0	4.7
ER-WR						39.3	0.4	38.9
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2077.8	0.0	22.4	-22.4
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	340.2	0.0	14.7	-14.7
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1931.0	0.0	47.9	-47.9
27	400 kV	TALCHER-I/C	D/C	430.7	1030.1	0.0	5.7	-5.7
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	84.9	-84.9
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	370	1019	0.0	2.7	-3
30		ALIPURDUAR-BONGAIGAON	D/C	274	822	0.0	1.1	-1
31	220 kV	ALIPURDUAR-SALAKATI	D/C	18	151	0.0	1.2	-1
ER-NER						0.0	5.1	-5.1
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	501	0.0	5.3	-5.3
NER-NR						0.0	5.3	-5.3
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1149	0.0	47.7	-47.7
34		V'CHAL B/B	D/C	50	150	1.3	0.7	0.6
35		APL -MHG	D/C	0	307	0.0	7.4	-7.4
36	765 kV	GWALIOR-AGRA	D/C	0	1684	0.0	35.3	-35.3
37		PHAGI-GWALIOR	D/C	0	1882	0.0	40.2	-40.2
38		JABALPUR-ORAI	D/C	0	764	0.0	12.5	-12.5
39		GWALIOR-ORAI	S/C	502	0	11.5	0.0	11.5
40		SATNA-ORAI	S/C	0	1782	0.0	40.2	-40.2
41	400 kV	ZERDA-KANKROLI	S/C	412	0	7.8	0.0	7.8
42		ZERDA -BHINMAL	S/C	348	0	6.1	0.0	6.1
43		V'CHAL -RIHAND	S/C	968	0	21.0	0.0	21.0
44		RAPP-SHUALPUR	D/C	0	297	0	2	-2
45	220 kV	BADOD-KOTA	S/C	88	13	1.0	0.0	1.0
46		BADOD-MORAK	S/C	40	36	0.2	0.2	0.0
47		MEHGAON-AURAIYA	S/C	168	0	3.2	0.0	3.2
48		MALANPUR-AURAIYA	S/C	32	40	0.0	0.5	-0.5
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						51.9	187.1	-135.2
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	0.0	0.0
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	486	1187	0.0	7.1	-7.1
53		WARDHA-NIZAMABAD	D/C	0	1814	0.0	25.0	-25.0
54	400 kV	KOLHAPUR-KUDGI	D/C	722	0	7.6	0.0	7.6
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	100	0	2.2	0.0	2.2
WR-SR						9.8	32.1	-22.2
TRANSNATIONAL EXCHANGE								
58		BHUTAN						6.5
59		NEPAL						-10.3
60		BANGLADESH						-13.9