



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: 21st 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 20.04.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20-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 20th 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

21-Apr-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42584	46586	42932	20684	2295	155081
Peak Shortage (MW)	554	44	150	0	156	904
Energy Met (MU)	927	1164	1008	441	37	3576
Hydro Gen(MU)	113	20	61	48	7	248
Wind Gen(MU)	35	82	53	-----	-----	169
Solar Gen (MU)*	15.04	21.76	56.33	0.85	0.02	94
Energy Shortage (MU)	10.9	0.1	0.0	0.0	1.4	12.4
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45476	49697	45110	20993	2307	157638

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	0.036	0.00	0.81	5.63	6.44	80.60	12.96

C. Power Supply Position in States

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	5185	0	105.4	43.6	-0.7	211	0.0	
	Haryana	6367	112	114.9	52.9	1.0	424	1.9	
	Rajasthan	8773	0	183.7	48.1	0.7	473	0.1	
	Delhi	4630	0	94.9	73.4	-0.5	178	0.0	
	UP	16211	0	326.4	113.2	2.8	557	0.0	
	Uttarakhand	1766	0	36.3	21.4	0.2	230	0.0	
	HP	1293	0	22.8	16.3	0.1	103	0.0	
	J&K	1884	471	37.9	29.5	-4.4	82	8.9	
	Chandigarh	210	0	4.2	4.1	0.1	31	0.0	
	WR	Chhattisgarh	3759	0	88.4	31.5	-1.9	123	0.0
Gujarat		15488	0	351.6	171.0	4.5	259	0.0	
MP		8718	0	188.0	87.4	-2.3	350	0.0	
Maharashtra		22476	0	496.6	136.4	-4.0	733	0.1	
Goa		533	0	12.0	11.4	-0.1	29	0.0	
DD		323	0	7.3	6.5	0.8	43	0.0	
DNH		738	0	17.1	16.4	0.7	94	0.0	
Essar steel		96	0	2.6	2.3	0.3	151	0.0	
SR		Andhra Pradesh	8777	0	183.0	58.9	2.4	476	0.0
		Telangana	8125	0	180.5	71.7	-2.2	242	0.0
	Karnataka	9592	0	208.3	64.7	-0.5	456	0.0	
	Kerala	3747	0	77.8	51.5	1.4	182	0.0	
	Tamil Nadu	15261	0	350.5	169.5	2.5	409	0.0	
	Pondy	378	0	8.2	8.1	0.0	42	0.0	
	ER	Bihar	4686	0	88.1	86.5	-1.2	250	0.0
		DVC	3063	0	72.6	-50.0	-0.5	100	0.0
		Jharkhand	1213	0	24.1	16.1	2.0	150	0.0
		Odisha	4211	0	86.8	29.7	1.0	450	0.0
West Bengal		8491	0	167.9	53.0	2.2	400	0.0	
Sikkim		98	0	1.3	1.6	-0.3	20	0.0	
NER		Arunachal Pradesh	109	7	2.2	1.5	0.7	45	0.0
		Assam	1374	135	21.0	17.1	1.0	75	1.1
		Manipur	162	3	1.9	2.2	-0.3	33	0.0
		Meghalaya	309	1	5.3	2.9	0.0	44	0.0
	Mizoram	83	3	1.4	0.9	0.2	32	0.0	
	Nagaland	124	3	2.1	1.7	0.2	25	0.0	
	Tripura	204	15	3.2	2.8	-0.1	53	0.2	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.4	-10.3	-6.9
Day peak (MW)	328.8	-515.6	-643.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	169.6	-190.8	88.7	-70.7	3.8	0.6
Actual(MU)	169.6	-202.5	92.3	-65.6	4.8	-1.3
O/D/U/D(MU)	0.0	-11.7	3.7	5.1	1.0	-1.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6238	12306	7752	1040	405	27740
State Sector	8890	16013	4810	4745	50	34508
Total	15128	28319	12562	5785	454	62248

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	525	1164	598	479	5	2771
Hydro	113	20	62	48	7	249
Nuclear	24	31	46	0	0	100
Gas, Naptha & Diesel	33	62	21	0	23	139
RES (Wind, Solar, Biomass & Others)	78	104	148	2	0	331
Total	773	1380	875	528	35	3591

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

सचिव(ऊर्जा)/संयुक्त सचिव(परिचालन)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(वि०प्र०)/
मुख्य कार्यपालक अधिकारी(पोसांके)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	21-Apr-18
Sl 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	3.9	-3.9	
2		SASARAM-FATEHPUR	S/C	104	76	0.3	0.0	0.3	
3		GAYA-BALIA	S/C	0	575	0.0	9.1	-9.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	4	0	0.0	0.0	0.0	
6	400 kV	PUSAULI-VARANASI	S/C	83	10	0.9	0.0	0.9	
7		PUSAULI-ALLAHABAD	S/C	108	4	1.4	0.0	1.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	61	468	0.0	5.9	-5.9	
9		PATNA-BALIA	Q/C	0	986	0.0	17.1	-17.1	
10		BIHARSHARIFF-BALIA	D/C	0	335	0.0	4.8	-4.8	
11		MOTIHARI-GORAKHPUR	D/C	0	256	0.0	4.9	-4.9	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	292	241	0.0	1.5	-1.5	
13		PUSAULI-SAHUPURI	S/C	0	196	0.0	3.9	-3.9	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	36	0	0.5	0.0	0.5	
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	3.1	51.0	-48.0
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	838	0	10.8	0.0	10.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	448	40	5.8	0.0	5.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	676	0	9.2	0.0	9.2	
21		RANCHI-SIPAT	D/C	246	0	3.7	0.0	3.7	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	44	71	0.0	0.3	-0.3	
23		BUDHIPADAR-KORBA	D/C	257	0	4.6	0.0	4.6	
						ER-WR	34.1	0.3	33.9
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1329.8	0.0	24.8	-24.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	345.7	0.0	16.0	-16.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1946.9	0.0	45.2	-45.2	
27	400 kV	TALCHER-I/C	D/C	31.7	472.5	0.0	5.2	-5.2	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	86.0	-86.0
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	7	527	0.0	2.2	-2	
30		ALIPURDUAR-BONGAIGAON	D/C	1	447	0.0	1.1	-1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	104	0.0	1.4	-1	
						ER-NER	0.0	4.7	-4.7
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	0.0	0.0	
						NER-NR	0.0	0.0	0.0
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	115	1108	0.0	47.8	-47.8	
34		V'CHAL B/B	D/C	0	150	0.0	3.6	-3.6	
35		APL -MHG	D/C	0	307	0.0	7.4	-7.4	
36	765 kV	GWALIOR-AGRA	D/C	0	2008	0.0	34.8	-34.8	
37		PHAGI-GWALIOR	D/C	0	2246	0.0	35.5	-35.5	
38		JABALPUR-ORAI	D/C	0	512	0.0	7.4	-7.4	
39		GWALIOR-ORAI	S/C	957	0	11.1	0.0	11.1	
40		SATNA-ORAI	S/C	0	1714	0.0	37.9	-37.9	
41		ZERDA-KANKROLI	S/C	580	0	8.6	0.0	8.6	
42	400 kV	ZERDA -BHINMAL	S/C	562	0	7.8	0.0	7.8	
43		V'CHAL -RIHAND	S/C	968	0	21.0	0.0	21.0	
44		RAPP-SHUALPUR	D/C	118	214	0	0	0	
45	220 kV	BADOD-KOTA	S/C	58	18	0.4	0.1	0.3	
46		BADOD-MORAK	S/C	8	42	0.0	0.5	-0.5	
47		MEHGAON-AURAIYA	S/C	166	0	3.3	0.0	3.3	
48		MALANPUR-AURAIYA	S/C	0	44	0.0	0.5	-0.5	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	52.1	175.6	-123.4
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	21.0	-21.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	171	931	0.0	7.5	-7.5	
53		WARDHA-NIZAMABAD	D/C	0	1883	0.0	26.2	-26.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	657	0	7.5	0.0	7.5	
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	9.7	54.6	-44.9
TRANSNATIONAL EXCHANGE									
58		BHUTAN						4.4	
59		NEPAL						-10.3	
60		BANGLADESH						-6.9	