



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: 28<sup>th</sup> Apr 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
Executive Director, 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. मुख्य महाप्रबंधक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतेिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 27.04.2019.**

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-अप्रैल-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 27<sup>th</sup> April 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

28-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	50974	51831	43411	21820	2549	170585
Peak Shortage (MW)	548	30	20	0	199	797
Energy Met (MU)	1092	1272	1052	474	46	3937
Hydro Gen (MU)	260	40	86	71	5	462
Wind Gen (MU)	7	71	30	-----	-----	108
Solar Gen (MU)*	26.25	26.10	79.61	1.02	-----	133
Energy Shortage (MU)	11.3	0.1	0.4	0.0	2.9	14.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53200 22:37	55741 15:38	46785 15:24	22855 23:05	2599 18:47	176232 22:54

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	0.057	0.00	1.11	9.77	10.88	65.34	23.78

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	6660	0	133.3	49.8	-1.6	59	0.0
	Haryana	7436	38	143.3	101.2	-0.9	228	0.3
	Rajasthan	10269	0	228.3	75.7	-0.8	290	0.0
	Delhi	4947	0	103.2	89.6	-2.7	78	0.0
	UP	19002	0	364.0	160.3	-4.2	651	0.0
	Uttarakhand	1911	0	40.9	18.3	0.0	61	0.0
	HP	1344	0	28.1	5.8	0.9	120	0.0
	J&K	2249	562	46.3	25.7	-0.1	245	10.9
WR	Chhattisgarh	214	0	4.5	5.3	-0.7	0	0.0
	Gujarat	4574	0	104.0	45.6	-2.6	229	0.0
	MP	17399	0	389.6	113.5	2.7	452	0.0
	MP	9762	0	221.0	108.6	-0.8	520	0.0
	Maharashtra	22933	0	513.3	148.7	-2.4	910	0.0
	Goa	541	30	13.5	11.2	1.7	43	0.1
	DD	331	0	7.6	7.2	0.4	27	0.0
	DNH	789	0	18.2	18.2	0.0	106	0.0
SR	Essar steel	289	0	5.4	5.6	-0.2	281	0.0
	Andhra Pradesh	8997	0	193.3	62.2	0.1	465	0.0
	Telangana	8078	0	176.9	52.5	0.3	333	0.0
	Karnataka	12485	0	236.5	74.2	0.8	544	0.0
	Kerala	4054	0	84.3	54.8	0.9	531	0.3
	Tamil Nadu	15599	0	352.2	187.2	2.4	394	0.0
	Pondy	416	20	9.1	8.9	0.2	51	0.1
	ER	Bihar	5111	0	99.6	94.3	0.0	345
DVC		3285	0	70.3	-51.1	-0.1	356	0.0
Jharkhand		1289	0	27.4	17.4	-0.3	180	0.0
Odisha		4714	0	96.5	39.1	4.0	435	0.0
West Bengal		8877	0	178.9	61.7	0.9	452	0.0
NER	Sikkim	94	0	1.2	1.5	-0.3	20	0.0
	Arunachal Pradesh	165	1	2.3	2.4	-0.1	34	0.0
	Assam	1522	80	27.0	22.7	0.4	141	2.7
	Manipur	167	2	2.7	2.2	0.5	38	0.0
	Meghalaya	301	0	5.3	3.7	0.2	33	0.1
	Mizoram	96	2	1.9	1.4	0.3	13	0.0
	Nagaland	135	1	2.1	2.1	0.0	34	0.0
	Tripura	289	5	5.1	4.4	0.5	90	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.4	-8.3	-23.8
Day peak (MW)	787.3	-419.6	-1130.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	176.4	-249.5	109.3	-41.2	5.2	0.2
Actual(MU)	145.1	-262.0	142.1	-33.5	7.7	-0.6
O/D/U/D(MU)	-31.3	-12.6	32.7	7.7	2.6	-0.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4872	12395	7002	1300	502	26071
State Sector	7190	13292	4720	2735	50	27987
Total	12062	25687	11722	4035	552	54058

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	559	1323	591	473	12	2959
Lignite	22	16	50	0	0	87
Hydro	260	40	86	71	5	462
Nuclear	28	29	36	0	0	93
Gas, Naptha & Diesel	30	49	15	0	28	123
RES (Wind, Solar, Biomass & Others)	63	103	143	1	0	310
Total	961	1561	921	545	45	4034

Share of RES in total generation (%)	6.54	6.60	15.48	0.20	0.07	7.68
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.44	11.07	28.77	13.17	11.75	21.45

H. Diversity Factor

All India Demand Diversity Factor	1.028
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Diversity factor = Sum of regional maximum demands / All India maximum demand

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

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 28-Apr-19

Import=(+ve)  
/Export =(-ve) for  
NET (MU)

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
<b>Import/Export of ER (With NR)</b>								
1	765kV	GAYA-VARANASI	D/C	239	324	0.0	2.2	-2.2
2		SASARAM-FATEHPUR	S/C	31	202	0.0	2.0	-2.0
3		GAYA-BALIA	S/C	0	341	0.0	4.6	-4.6
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	50	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	96	0.0	1.7	-1.7
7		PUSAULI -ALLAHABAD	S/C	34	6	0.6	0.0	0.6
8		MUZAFFARPUR-GORAKHPUR	D/C	0	757	0.0	10.9	-10.9
9		PATNA-BALIA	Q/C	23	804	0.0	11.7	-11.7
10		BIHARSHARIFF-BALIA	D/C	53	331	0.0	5.1	-5.1
11		MOTIHARI-GORAKHPUR	D/C	0	284	0.0	4.4	-4.4
12		BIHARSHARIFF-VARANASI	D/C	3	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	171	0.0	2.9	-2.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>1.1</b>	<b>46.7</b>	<b>-45.7</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2235	0	41.5	0.0	41.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	663	218	5.5	0.0	5.5
20		JHARSUGUDA-DURG	D/C	220	49	1.9	0.0	1.9
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	280	76	2.7	0.0	2.7
22		RANCHI-SIPAT	D/C	261	76	3.1	0.0	3.1
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	123	0.0	1.8	-1.8
24		BUDHIPADAR-KORBA	D/C	173	0	3.1	0.0	3.1
<b>ER-WR</b>						<b>57.8</b>	<b>1.8</b>	<b>56.0</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1894.0	0.0	35.4	-35.4
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	511.0	0.0	12.2	-12.2
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2451.0	0.0	48.2	-48.2
28	400 kV	TALCHER-I/C	D/C	0.0	749.0	0.0	6.0	-6.0
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>95.7</b>	<b>-95.7</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	248	132	3.1	0.0	3
31		ALIPURDUAR-BONGAIGAON	D/C	364	62	5.1	0.0	5
32	220 kV	ALIPURDUAR-SALAKATI	D/C	62	18	0.5	0.0	1
<b>ER-NER</b>						<b>8.7</b>	<b>0.0</b>	<b>8.7</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	656	0	15.9	0.0	15.9
<b>NER-NR</b>						<b>15.9</b>	<b>0.0</b>	<b>15.9</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1205	0.0	27.3	-27.3
35		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1
36		APL -MHG	D/C	0	1360	0.0	33.9	-33.9
37	765 kV	GWALIOR-AGRA	D/C	0	2273	0.0	34.2	-34.2
38		PHAGI-GWALIOR	D/C	0	932	0.0	15.2	-15.2
39		JABALPUR-ORAI	D/C	0	709	0.0	20.3	-20.3
40		GWALIOR-ORAI	S/C	453	0	9.8	0.0	9.8
41		SATNA-ORAI	S/C	0	1309	0.0	24.5	-24.5
42		CHITORGARH-BANASKANTHA	D/C	315	523	1.9	0.0	1.9
43		ZERDA-KANKROLI	S/C	195	50	1.7	0.0	1.7
44	400 kV	ZERDA -BHINMAL	S/C	66	199	0.0	1.3	-1.3
45		V'CHAL -RIHAND	S/C	982	0	22.1	0.0	22.1
46		RAPP-SHUJALPUR	D/C	222	231	0	0	0
47	220 kV	BADOD-KOTA	S/C	49	49	0.3	0.1	0.1
48		BADOD-MORAK	S/C	0	68	0.0	0.8	-0.8
49		MEHGAON-AURAIYA	S/C	59	0	0.8	0.0	0.8
50		MALANPUR-AURAIYA	S/C	37	26	0.2	0.1	0.1
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>42.7</b>	<b>157.9</b>	<b>-115.2</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	999	0.0	13.2	-13.2
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2419	0.0	39.7	-39.7
55		WARDHA-NIZAMABAD	D/C	0	2278	0.0	40.6	-40.6
56	400 kV	KOLHAPUR-KUDGI	D/C	355	218	1.9	0.0	1.9
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	64	1.3	0.0	1.3
<b>WR-SR</b>						<b>3.2</b>	<b>93.4</b>	<b>-90.2</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>11.4</b>
61		NEPAL						<b>-8.3</b>
62		BANGLADESH						<b>-23.8</b>