



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

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- 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
- 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 12.04.2019.**

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12<sup>th</sup> April 2019, 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

13-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	48356	50439	45280	20635	2593	167303
Peak Shortage (MW)	653	12	0	0	32	697
Energy Met (MU)	1017	1246	1083	446	46	3837
Hydro Gen (MU)	197	51	78	57	4	388
Wind Gen (MU)	15	53	29	-----	-----	97
Solar Gen (MU)*	25.11	25.9	85.15	1.01	0.05	137
Energy Shortage (MU)	10.8	0.2	0.0	0.0	0.5	11.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48231 19:55	55129 14:40	48479 15:47	21486 19:50	2665 18:41	169053 19:30

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	0.24	1.33	11.61	13.18	73.62	13.19

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	5584	0	126.1	40.8	-1.0	125	0.0	
	Haryana	6947	156	127.1	99.1	-0.3	301	0.6	
	Rajasthan	9800	0	210.6	58.3	-2.1	292	0.0	
	Delhi	4507	0	94.8	78.8	-2.4	132	0.0	
	UP	17910	0	347.0	152.7	0.8	703	0.0	
	Uttarakhand	1810	0	37.8	15.0	0.4	161	0.0	
	HP	1343	0	26.7	9.4	0.3	117	0.0	
	J&K	1990	497	42.8	32.3	0.3	172	10.1	
WR	Chandigarh	195	0	4.0	4.8	-0.8	7	0.0	
	Chhattisgarh	4481	0	100.5	46.3	-3.3	303	0.0	
	Gujarat	17262	0	389.4	119.8	3.7	422	0.0	
	MP	9496	0	211.5	91.2	0.2	538	0.0	
	Maharashtra	22423	12	501.4	147.3	-0.4	1371	0.2	
	Goa	521	0	11.8	10.2	1.0	99	0.0	
	DD	335	0	7.7	7.1	0.6	52	0.0	
	DNH	812	0	18.8	18.7	0.1	59	0.0	
SR	Essar steel	270	0	5.2	5.7	-0.5	166	0.0	
	Andhra Pradesh	8918	0	192.0	62.3	-0.5	412	0.0	
	Telangana	8987	0	190.1	63.6	-1.2	423	0.0	
	Karnataka	12301	0	239.3	81.9	-1.2	449	0.0	
	Kerala	4266	0	87.3	62.6	0.9	281	0.0	
	Tamil Nadu	16040	0	365.4	205.6	-1.2	480	0.0	
	Pondy	425	0	8.9	9.1	-0.2	36	0.0	
	ER	Bihar	4799	0	89.7	84.6	-0.3	425	0.0
DVC		3154	0	69.7	-38.4	0.4	345	0.0	
Jharkhand		1000	0	23.9	18.2	0.0	185	0.0	
Odisha		4290	0	89.3	30.1	1.0	398	0.0	
West Bengal		8521	0	171.8	51.4	3.0	402	0.0	
Sikkim		99	0	1.2	1.5	-0.3	20	0.0	
NER		Arunachal Pradesh	123	1	2.3	2.4	-0.1	34	0.0
		Assam	1562	8	25.4	21.0	0.3	199	0.5
	Manipur	181	2	2.6	2.4	0.2	27	0.0	
	Meghalaya	346	0	6.4	4.7	0.2	99	0.0	
	Mizoram	97	1	1.9	1.3	0.5	15	0.0	
	Nagaland	132	2	2.3	2.1	0.2	35	0.0	
	Tripura	253	3	4.7	2.9	-0.1	87	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.1	-9.4	-20.8
Day peak (MW)	376.8	-559.9	-1005.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	173.2	-250.3	124.3	-46.7	-0.8	-0.2
Actual(MU)	154.9	-253.1	138.7	-41.4	1.0	0.2
O/D/U/D(MU)	-18.3	-2.8	14.4	5.3	1.8	0.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5225	11448	5472	1850	551	24545
State Sector	11170	13943	3810	2395	50	31368
Total	16395	25391	9282	4245	601	55913

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	521	1275	628	462	15	2901
Lignite	24	17	55	0	0	96
Hydro	197	51	78	57	4	388
Nuclear	20	29	32	0	0	82
Gas, Naptha & Diesel	32	62	17	0	30	141
RES (Wind, Solar, Biomass & Others)	74	84	151	1	0	310
Total	869	1518	962	521	50	3919

Share of RES in total generation (%)	8.52	5.53	15.73	0.20	0.10	7.92
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.60	10.84	27.16	11.20	9.12	19.92

H. Diversity Factor

All India Demand Diversity Factor	1.041
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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 : 13-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	62	282	0.0	3.5	-3.5
2		SASARAM-FATEHPUR	S/C	53	195	0.0	2.4	-2.4
3		GAYA-BALIA	S/C	0	275	0.0	4.0	-4.0
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	80	0.0	1.4	-1.4
7		PUSAULI -ALLAHABAD	S/C	22	15	0.3	0.0	0.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	644	0.0	8.3	-8.3
9		PATNA-BALIA	Q/C	0	689	0.0	12.9	-12.9
10		BIHARSHARIFF-BALIA	D/C	0	234	0.0	4.2	-4.2
11		MOTIHARI-GORAKHPUR	D/C	0	274	0.0	5.2	-5.2
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	2	174	0.0	3.3	-3.3
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>0.8</b>	<b>46.5</b>	<b>-45.7</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1855	0	32.1	0.0	32.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	752	26	7.0	0.0	7.0
20		JHARSUGUDA-DURG	D/C	124	96	0.1	0.0	0.1
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	129	228	0.2	0.0	0.2
22		RANCHI-SIPAT	D/C	252	0	3.1	0.0	3.1
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	125	0.0	2.1	-2.1
24		BUDHIPADAR-KORBA	D/C	149	0	2.7	0.0	2.7
<b>ER-WR</b>						<b>45.2</b>	<b>2.1</b>	<b>43.1</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1693.0	0.0	32.0	-32.0
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	695.0	0.0	15.8	-15.8
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2457.0	0.0	50.6	-50.6
28	400 kV	TALCHER-I/C	D/C	0.0	645.0	0.0	5.8	-5.8
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>98.4</b>	<b>-98.4</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	381	22	3.4	0.0	3
31		ALIPURDUAR-BONGAIGAON	D/C	637	0	8.2	0.0	8
32	220 kV	ALIPURDUAR-SALAKATI	D/C	123	18	2.2	0.0	2
<b>ER-NER</b>						<b>13.8</b>	<b>0.0</b>	<b>13.8</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	560	0	13.7	0.0	13.7
<b>NER-NR</b>						<b>13.7</b>	<b>0.0</b>	<b>13.7</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1004	0.0	23.8	-23.8
35		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0
36		APL -MHG	D/C	0	1361	0.0	33.1	-33.1
37	765 kV	GWALIOR-AGRA	D/C	0	2284	0.0	38.6	-38.6
38		PHAGI-GWALIOR	D/C	0	1077	0.0	16.6	-16.6
39		JABALPUR-ORAI	D/C	0	726	0.0	23.6	-23.6
40		GWALIOR-ORAI	S/C	438	0	8.8	0.0	8.8
41		SATNA-ORAI	S/C	0	1391	0.0	28.1	-28.1
42		CHITORGARH-BANASKANTHA	D/C	428	537	0.4	0.0	0.4
43		ZERDA-KANKROLI	S/C	222	50	2.8	0.0	2.8
44	400 kV	ZERDA -BHINMAL	S/C	178	92	0.8	0.0	0.8
45		V'CHAL -RIHAND	S/C	969	0	22.5	0.0	22.5
46	220 kV	RAPP-SHUJALPUR	D/C	3	358	0	2	-2
47		BADOD-KOTA	S/C	33	52	0.0	0.6	-0.5
48		BADOD-MORAK	S/C	0	85	0.0	1.4	-1.4
49	400 kV	MEHGAON-AURAIYA	S/C	74	0	0.8	0.0	0.8
50		MALANPUR-AURAIYA	S/C	41	28	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>42.3</b>	<b>167.7</b>	<b>-125.4</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	481	0.0	11.3	-11.3
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2412	0.0	40.5	-40.5
55		WARDHA-NIZAMABAD	D/C	0	2170	0.0	38.9	-38.9
56	400 kV	KOLHAPUR-KUDGI	D/C	548	101	4.3	0.0	4.3
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	68	1.3	0.0	1.3
<b>WR-SR</b>						<b>5.7</b>	<b>90.8</b>	<b>-85.1</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>8.1</b>
61		NEPAL						<b>-9.4</b>
62		BANGLADESH						<b>-20.8</b>