



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: 12<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 11.04.2019.**

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11<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

12-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	47675	50588	44531	20208	2514	165516
Peak Shortage (MW)	774	0	0	0	42	816
Energy Met (MU)	1020	1246	1060	431	44	3800
Hydro Gen (MU)	254	42	76	50	4	427
Wind Gen (MU)	14	51	36	-----	-----	101
Solar Gen (MU)*	39.63	26.01	81.47	1.02	0.06	148
Energy Shortage (MU)	11.3	0.0	0.0	0.0	0.3	11.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48233 19:57	54691 11:46	46807 22:18	21374 20:30	2516 18:40	167452 22:25

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	0.039	0.00	0.08	10.95	11.03	80.45	8.52

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	5774	0	126.3	44.7	-3.0	54	0.0	
	Haryana	6764	0	131.2	103.1	-0.6	118	0.3	
	Rajasthan	9804	0	215.6	52.5	-2.0	299	0.0	
	Delhi	4613	0	94.4	79.1	-1.2	83	0.2	
	UP	17567	0	345.6	147.6	-0.1	448	0.0	
	Uttarakhand	1552	0	31.3	10.4	-1.0	58	0.0	
	HP	1341	0	25.2	8.6	-0.2	129	0.0	
	J&K	2166	541	45.9	35.7	0.0	174	10.9	
WR	Chandigarh	199	0	4.0	4.5	-0.5	4	0.0	
	Chhattisgarh	4475	0	100.5	44.6	-3.5	485	0.0	
	Gujarat	16936	0	386.5	126.5	3.6	770	0.0	
	MP	9822	0	212.8	99.0	-0.5	503	0.0	
	Maharashtra	22336	0	502.7	149.0	0.9	460	0.0	
	Goa	521	0	11.8	11.0	0.2	125	0.0	
	DD	336	0	7.7	7.0	0.7	92	0.0	
	DNH	808	0	19.0	18.9	0.1	136	0.0	
SR	Essar steel	271	0	5.3	5.3	0.0	186	0.0	
	Andhra Pradesh	8552	0	175.0	51.7	-0.9	581	0.0	
	Telangana	8446	0	192.6	63.0	-0.4	472	0.0	
	Karnataka	11944	0	234.8	83.2	-0.5	463	0.0	
	Kerala	4183	0	86.4	61.9	1.2	205	0.0	
	Tamil Nadu	15886	0	362.1	205.9	-1.0	490	0.0	
	Pondy	431	0	8.9	9.1	-0.2	33	0.0	
	ER	Bihar	4819	0	85.6	80.6	-0.6	425	0.0
DVC		3212	0	66.5	-47.7	-1.0	333	0.0	
Jharkhand		1083	0	22.9	18.2	-1.1	178	0.0	
Odisha		4258	0	89.5	28.7	0.6	378	0.0	
West Bengal		8464	0	165.8	52.4	1.4	445	0.0	
Sikkim		78	0	0.8	1.3	-0.6	20	0.0	
NER		Arunachal Pradesh	120	1	2.2	2.6	-0.4	15	0.0
		Assam	1502	32	24.8	20.1	0.3	95	0.2
	Manipur	180	2	2.7	2.4	0.3	41	0.0	
	Meghalaya	340	0	6.3	4.5	0.3	63	0.0	
	Mizoram	90	1	1.8	1.3	0.3	10	0.0	
	Nagaland	121	3	2.2	2.1	0.1	40	0.0	
	Tripura	242	3	3.6	2.7	-0.4	50	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.2	-9.0	-22.9
Day peak (MW)	309.2	-528.7	-1120.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	171.1	-249.3	133.0	-55.8	1.2	0.2
Actual(MU)	162.9	-249.7	144.8	-56.3	0.6	2.2
O/D/U/D(MU)	-8.2	-0.5	11.8	-0.5	-0.6	2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5224	9983	5722	1870	551	23350
State Sector	10570	14339	5280	2855	50	33094
Total	15794	24322	11002	4725	601	56443

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	452	1290	593	458	14	2808
Lignite	27	18	54	0	0	99
Hydro	254	42	76	50	4	427
Nuclear	22	29	36	0	0	87
Gas, Naptha & Diesel	30	54	17	0	29	131
RES (Wind, Solar, Biomass & Others)	98	82	152	1	0	334
Total	884	1515	928	510	47	3884

Share of RES in total generation (%)	11.12	5.42	16.38	0.21	0.13	8.59
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.35	10.10	28.46	10.10	8.77	21.81

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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 :	12-Apr-19
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)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	30	401	0.0	6.2	-6.2	
2		SASARAM-FATEHPUR	S/C	0	316	0.0	4.2	-4.2	
3		GAYA-BALIA	S/C	0	253	0.0	4.1	-4.1	
4	HVDC	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	73	0.0	1.0	-1.0	
7		PUSAULI -ALLAHABAD	S/C	10	35	0.0	0.2	-0.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	753	0.0	9.7	-9.7	
9		PATNA-BALIA	Q/C	0	735	0.0	12.9	-12.9	
10		BIHARSHARIFF-BALIA	D/C	0	277	0.0	4.6	-4.6	
11		MOTIHARI-GORAKHPUR	D/C	0	272	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	173	0.0	2.4	-2.4	
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	1	0	0.0	0.0	0.0	
						<b>ER-NR</b>	<b>0.5</b>	<b>51.7</b>	<b>-51.2</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1820	0	33.0	0.0	33.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	657	44	5.2	0.0	5.2	
20		JHARSUGUDA-DURG	D/C	133	68	0.1	0.0	0.1	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	276	71	1.3	0.0	1.3	
22		RANCHI-SIPAT	D/C	251	0	2.4	0.0	2.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	117	0.0	2.0	-2.0	
24		BUDHIPADAR-KORBA	D/C	186	0	3.4	0.0	3.4	
						<b>ER-WR</b>	<b>45.5</b>	<b>2.0</b>	<b>43.6</b>
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1717.0	0.0	31.9	-31.9	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	681.0	0.0	15.9	-15.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2459.0	0.0	50.9	-50.9	
28	400 kV	TALCHER-I/C	D/C	515.0	1149.0	0.0	15.3	-15.3	
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>98.7</b>	<b>-98.7</b>
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	405	15	5.2	0.0	5	
31		ALIPURDUAR-BONGAIGAON	D/C	518	0	7.2	0.0	7	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	88	12	1.0	0.0	1	
						<b>ER-NER</b>	<b>13.4</b>	<b>0.0</b>	<b>13.4</b>
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	561	0	13.6	0.0	13.6	
						<b>NER-NR</b>	<b>13.6</b>	<b>0.0</b>	<b>13.6</b>
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1005	0.0	23.8	-23.8	
35		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0	
36		APL -MHG	D/C	0	1173	0.0	29.1	-29.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2295	0.0	40.3	-40.3	
38		PHAGI-GWALIOR	D/C	0	929	0.0	15.9	-15.9	
39		JABALPUR-ORAI	D/C	0	702	0.0	21.9	-21.9	
40		GWALIOR-ORAI	S/C	449	0	8.8	0.0	8.8	
41		SATNA-ORAI	S/C	0	1387	0.0	28.5	-28.5	
42		CHITORGARH-BANASKANTHA	D/C	0	0	0.9	0.0	0.9	
43		ZERDA-KANKROLI	S/C	244	0	3.1	0.0	3.1	
44	400 kV	ZERDA -BHINMAL	S/C	144	32	1.2	0.0	1.2	
45		V'CHAL -RIHAND	S/C	975	0	22.4	0.0	22.4	
46	220 kV	RAPP-SHUJALPUR	D/C	0	253	0	2	-2	
47		BADOD-KOTA	S/C	36	30	0.1	0.4	-0.4	
48		BADOD-MORAK	S/C	0	97	0.0	1.2	-1.2	
49		MEHGAON-AURAIYA	S/C	65	0	0.8	0.0	0.8	
50	132kV	MALANPUR-AURAIYA	S/C	32	28	0.2	0.1	0.0	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>43.4</b>	<b>162.7</b>	<b>-119.3</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	2374	0.0	38.5	-38.5	
55		WARDHA-NIZAMABAD	D/C	0	2279	0.0	43.0	-43.0	
56	400 kV	KOLHAPUR-KUDGI	D/C	678	56	7.6	0.0	7.6	
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	65	1.3	0.0	1.3	
						<b>WR-SR</b>	<b>8.9</b>	<b>92.9</b>	<b>-84.0</b>
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						7.2	
61		NEPAL						-9.0	
62		BANGLADESH						-22.9	