



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: 07<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., डोंगतिह, 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 06.04.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-अप्रैल-2019 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 6<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

7-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46898	49578	43116	15768	2379	157739
Peak Shortage (MW)	589	0	0	0	163	752
Energy Met (MU)	998	1209	1067	412	41	3728
Hydro Gen (MU)	203	28	66	37	4	338
Wind Gen (MU)	18	69	25	-----	-----	113
Solar Gen (MU)*	28.74	25.89	82.17	0.84	0.04	138
Energy Shortage (MU)	12.6	0.3	0.0	0.0	1.3	14.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46644 19:48	53226 11:43	44553 09:29	19605 00:12	2432 18:23	159089 11:46

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	0.031	0.00	0.00	1.96	1.96	71.02	27.03

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	6123	0	132.1	46.9	-1.2	-2	0.0
	Haryana	6530	193	128.4	98.6	0.8	146	0.9
	Rajasthan	9868	0	207.0	48.7	-0.4	236	0.0
	Delhi	3876	0	83.9	69.3	-1.7	110	0.0
	UP	17293	0	334.6	154.8	0.2	549	1.5
	Uttarakhand	1749	0	38.2	14.4	0.4	107	0.0
	HP	1377	0	27.0	9.7	0.7	151	0.0
	J&K	1943	486	43.0	28.3	-1.2	367	10.2
WR	Chandigarh	201	0	4.0	4.1	-0.1	23	0.0
	Chhattisgarh	4390	0	101.8	43.5	-3.9	192	0.0
	Gujarat	16572	0	377.2	105.6	3.8	257	0.0
	MP	9284	0	203.3	79.7	-0.4	537	0.0
	Maharashtra	20899	0	475.3	136.3	-0.2	323	0.0
	Goa	479	0	12.0	10.5	1.0	106	0.3
	DD	332	0	7.5	6.9	0.5	44	0.0
	DNH	777	0	18.2	18.2	0.0	60	0.0
	Essar steel	636	0	14.1	14.8	-0.8	151	0.0
	SR	Andhra Pradesh	8609	0	186.1	58.6	-0.1	623
Telangana		9131	0	207.2	81.2	-0.5	704	0.0
Karnataka		11289	0	226.7	70.5	-0.2	587	0.0
Kerala		4123	0	85.1	61.6	1.2	189	0.0
Tamil Nadu		15599	0	353.5	193.5	-0.1	512	0.0
Pondy		403	0	8.6	8.8	-0.1	29	0.0
ER	Bihar	4246	0	70.0	67.4	-2.5	200	0.0
	DVC	3074	0	64.1	-46.3	0.1	350	0.0
	Jharkhand	999	0	19.3	17.4	-3.4	50	0.0
	Odisha	5444	0	111.6	48.0	2.5	400	0.0
	West Bengal	7152	0	145.5	44.1	-8.6	100	0.0
NER	Sikkim	95	0	1.2	1.7	-0.5	20	0.0
	Arunachal Pradesh	120	2	2.0	2.3	-0.3	26	0.0
	Assam	1432	78	24.2	20.3	0.4	163	0.8
	Manipur	179	2	2.5	2.4	0.1	17	0.0
	Meghalaya	299	16	5.7	3.9	0.2	56	0.4
	Mizoram	92	1	1.6	1.5	0.1	14	0.0
	Nagaland	115	2	2.0	1.9	0.1	47	0.0
	Tripura	249	3	3.3	2.4	-0.1	78	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.9	-6.4	-20.7
Day peak (MW)	328.9	-342.3	-1122.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	165.4	-277.6	145.3	-45.0	5.7	-6.2
Actual(MU)	157.3	-275.2	165.1	-61.1	11.0	-2.9
O/D/U/D(MU)	-8.1	2.4	19.8	-16.1	5.3	3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5755	12836	6482	1600	858	27531
State Sector	11240	12399	3670	5215	50	32574
Total	16995	25235	10152	6815	907	60104

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	495	1278	604	466	11	2854
Lignite	23	18	52	0	0	92
Hydro	203	28	66	37	4	338
Nuclear	22	31	34	0	0	87
Gas, Naptha & Diesel	30	47	16	0	21	114
RES (Wind, Solar, Biomass & Others)	84	101	144	1	0	330
Total	857	1503	916	504	35	3815

Share of RES in total generation (%)	9.75	6.71	15.75	0.17	0.11	8.64
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.04	10.63	26.65	7.58	10.52	19.78

H. Diversity Factor

All India Demand Diversity Factor	1.046
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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 :	7-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	0	610	0.0	7.9	-7.9	
2		SASARAM-FATEHPUR	S/C	12	265	0.0	2.1	-2.1	
3		GAYA-BALIA	S/C	0	295	0.0	5.1	-5.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2	
6	400 kV	PUSAULI-VARANASI	S/C	12	55	0.0	0.7	-0.7	
7		PUSAULI -ALLAHABAD	S/C	0	70	0.0	0.4	-0.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	849	0.0	9.3	-9.3	
9		PATNA-BALIA	Q/C	0	884	0.0	14.1	-14.1	
10		BIHARSHARIFF-BALIA	D/C	0	307	0.0	5.1	-5.1	
11		MOTIHARI-GORAKHPUR	D/C	0	373	0.0	6.6	-6.6	
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	179	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>0.6</b>	<b>55.8</b>	<b>-55.3</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1984	0	41.6	0.0	41.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	571	233	4.9	0.0	4.9	
20		JHARSUGUDA-DURG	D/C	112	86	0.5	0.0	0.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	197	81	1.9	0.0	1.9	
22		RANCHI-SIPAT	D/C	170	68	4.9	0.0	4.9	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	126	0.0	1.7	-1.7	
24		BUDHIPADAR-KORBA	D/C	185	0	1.6	0.0	1.6	
						<b>ER-WR</b>	<b>55.4</b>	<b>1.7</b>	<b>53.7</b>
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2160.0	0.0	42.2	-42.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	694.0	0.0	12.5	-12.5	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2451.0	0.0	51.3	-51.3	
28	400 kV	TALCHER-I/C	D/C	0.0	651.0	0.0	6.6	-6.6	
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>106.0</b>	<b>-106.0</b>
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	117	207	0.0	0.0	0	
31		ALIPURDUAR-BONGAIGAON	D/C	184	176	1.1	0.0	1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	26	63	0.0	0.2	0	
						<b>ER-NER</b>	<b>1.1</b>	<b>0.2</b>	<b>0.9</b>
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	649	0	11.3	0.0	11.3	
						<b>NER-NR</b>	<b>11.3</b>	<b>0.0</b>	<b>11.3</b>
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	550	0.0	13.1	-13.1	
35		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0	
36		APL -MHG	D/C	0	1362	0.0	33.9	-33.9	
37	765 kV	GWALIOR-AGRA	D/C	0	2071	0.0	41.4	-41.4	
38		PHAGI-GWALIOR	D/C	0	796	0.0	13.9	-13.9	
39		JABALPUR-ORAI	D/C	0	602	0.0	23.8	-23.8	
40		GWALIOR-ORAI	S/C	406	0	7.8	0.0	7.8	
41		SATNA-ORAI	S/C	0	1289	0.0	27.5	-27.5	
42		CHITORGARH-BANASKANTHA	D/C	0	0	0.0	1.1	1.1	
43		ZERDA-KANKROLI	S/C	173	0	2.4	0.0	2.4	
44	400 kV	ZERDA -BHINMAL	S/C	126	77	0.5	0.0	0.5	
45		V'CHAL -RIHAND	S/C	967	0	22.3	0.0	22.3	
46		RAPP-SHUJALPUR	D/C	0	195	0	1	-1	
47	220 kV	BADOD-KOTA	S/C	22	36	0.0	0.8	-0.8	
48		BADOD-MORAK	S/C	0	106	0.0	1.6	-1.6	
49		MEHGAON-AURAIYA	S/C	52	14	0.4	0.0	0.3	
50		MALANPUR-AURAIYA	S/C	17	35	0.1	0.3	-0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>39.6</b>	<b>158.7</b>	<b>-117.0</b>
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	488	0.0	11.6	-11.6	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2628	0.0	50.1	-50.1	
55		WARDHA-NIZAMABAD	D/C	0	2479	0.0	51.7	-51.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	530	0	7.2	0.0	7.2	
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	39	0.9	0.0	0.9	
						<b>WR-SR</b>	<b>8.2</b>	<b>113.4</b>	<b>-105.2</b>
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						4.9	
61		NEPAL						-6.4	
62		BANGLADESH						-20.7	