



**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: 29<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., डोंगतिह, 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 28.04.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28<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

29-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	48941	49191	40163	21518	2104	161917
Peak Shortage (MW)	529	0	0	0	465	994
Energy Met (MU)	1054	1247	992	471	40	3804
Hydro Gen (MU)	262	35	66	76	4	443
Wind Gen (MU)	8	67	31	-----	-----	106
Solar Gen (MU)*	32.50	26.98	74.73	0.95	0.03	135
Energy Shortage (MU)	10.5	0.0	0.0	0.0	3.2	13.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	52892 23:18	55242 23:55	43377 22:50	22687 00:00	2063 19:54	174344 22:42

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	0.00	1.70	1.70	66.39	31.91

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	6740	0	126.3	47.5	-2.7	31	0.0
	Haryana	7467	0	132.9	91.5	-1.4	178	0.0
	Rajasthan	10170	0	224.7	70.9	-0.3	332	0.0
	Delhi	4886	0	98.7	85.6	-2.6	58	0.0
	UP	19268	0	358.7	163.0	-6.2	555	0.0
	Uttarakhand	1803	0	38.7	15.7	-0.3	129	0.0
	HP	1219	0	25.7	3.9	0.3	150	0.0
	J&K	2206	551	44.2	25.4	-1.8	64	10.4
WR	Chandigarh	203	0	4.1	4.7	-0.6	11	0.0
	Chhattisgarh	4544	0	104.1	47.3	-2.9	276	0.0
	Gujarat	17181	0	375.4	112.4	3.6	676	0.0
	MP	9688	0	217.3	107.6	-1.3	497	0.0
	Maharashtra	21987	0	504.1	150.8	-2.3	494	0.0
	Goa	541	0	13.5	10.4	2.5	65	0.0
	DD	312	0	7.2	7.0	0.2	26	0.0
	DNH	782	0	18.3	18.2	0.1	73	0.0
SR	Essar steel	328	0	6.7	6.2	0.5	299	0.0
	Andhra Pradesh	8801	0	189.0	66.1	0.4	907	0.0
	Telangana	7760	0	171.1	59.9	0.2	769	0.0
	Karnataka	11341	0	219.1	73.1	1.2	549	0.0
	Kerala	3915	0	79.3	55.0	1.6	184	0.0
	Tamil Nadu	14273	0	325.7	164.8	0.1	541	0.0
	Pondy	393	0	8.3	8.5	-0.1	39	0.0
	ER	Bihar	5080	0	94.2	89.5	-0.4	100
DVC		3229	0	77.2	-50.6	0.5	100	0.0
Jharkhand		1259	0	26.5	17.1	-1.2	0	0.0
Odisha		4606	0	94.6	35.2	4.0	400	0.0
West Bengal		8850	0	177.7	50.4	2.2	50	0.0
Sikkim		86	0	1.0	1.4	-0.4	0	0.0
NER	Arunachal Pradesh	112	3	2.1	2.4	-0.2	55	0.0
	Assam	1197	314	22.0	17.2	1.0	127	2.5
	Manipur	131	48	1.9	2.0	-0.2	32	0.2
	Meghalaya	334	0	5.3	4.2	0.2	62	0.4
	Mizoram	92	2	1.8	1.4	0.2	16	0.0
	Nagaland	128	4	2.2	2.2	0.1	8	0.0
	Tripura	254	9	4.5	4.7	-0.2	54	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.3	-7.8	-24.7
Day peak (MW)	731.1	-547.1	-1141.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	158.8	-232.9	126.8	-58.0	4.8	-0.6
Actual(MU)	131.1	-242.4	158.5	-44.4	2.1	5.0
O/D/U/D(MU)	-27.7	-9.5	31.7	13.7	-2.6	5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5082	11479	6962	1100	405	25028
State Sector	7340	12822	4580	2385	50	27177
Total	12422	24301	11542	3485	455	52205

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	547	1271	544	468	12	2842
Lignite	19	14	47	0	0	80
Hydro	262	35	66	76	4	443
Nuclear	28	30	36	0	0	94
Gas, Naptha & Diesel	28	42	16	0	27	113
RES (Wind, Solar, Biomass & Others)	70	100	138	1	0	309
Total	954	1492	846	545	43	3881

Share of RES in total generation (%)	7.33	6.73	16.28	0.18	0.07	7.97
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.70	11.10	28.34	14.17	8.76	21.80

H. Diversity Factor

All India Demand Diversity Factor	1.011
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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 : 29-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	280	418	0.0	1.9	-1.9
2		SASARAM-FATEHPUR	S/C	26	231	0.0	3.0	-3.0
3		GAYA-BALIA	S/C	102	292	0.0	3.1	-3.1
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	50	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	0	88	0.0	1.5	-1.5
7		PUSAULI -ALLAHABAD	S/C	27	14	0.3	0.0	0.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	948	0.0	13.5	-13.5
9		PATNA-BALIA	Q/C	0	785	0.0	12.6	-12.6
10		BIHARSHARIFF-BALIA	D/C	5	395	0.0	5.1	-5.1
11		MOTIHARI-GORAKHPUR	D/C	1	292	0.0	3.8	-3.8
12		BIHARSHARIFF-VARANASI	D/C	3	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	173	0.0	2.8	-2.8
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>0.8</b>	<b>47.3</b>	<b>-46.5</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2283	0	41.5	0.0	41.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	478	223	3.5	0.0	3.5
20		JHARSUGUDA-DURG	D/C	156	14	1.7	0.0	1.7
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	185	59	1.2	0.0	1.2
22		RANCHI-SIPAT	D/C	181	64	2.3	0.0	2.3
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	132	0.0	2.2	-2.2
24		BUDHIPADAR-KORBA	D/C	181	0	3.1	0.0	3.1
<b>ER-WR</b>						<b>53.3</b>	<b>2.2</b>	<b>51.1</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2070.0	0.0	39.8	-39.8
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	2449.0	0.0	48.7	-48.7
28	400 kV	TALCHER-I/C	D/C	0.0	975.0	0.0	11.1	-11.1
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>100.6</b>	<b>-100.6</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	368	0	5.9	0.0	6
31		ALIPURDUAR-BONGAIGAON	D/C	449	0	7.8	0.0	8
32	220 kV	ALIPURDUAR-SALAKATI	D/C	82	0	1.2	0.0	1
<b>ER-NER</b>						<b>14.8</b>	<b>0.0</b>	<b>14.8</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	653	0	16.4	0.0	16.4
<b>NER-NR</b>						<b>16.4</b>	<b>0.0</b>	<b>16.4</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1007	0.0	23.8	-23.8
35		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
36		APL -MHG	D/C	0	1361	0.0	24.3	-24.3
37	765 kV	GWALIOR-AGRA	D/C	0	2344	0.0	31.2	-31.2
38		PHAGI-GWALIOR	D/C	0	1037	0.0	14.6	-14.6
39		JABALPUR-ORAI	D/C	103	763	0.0	17.3	-17.3
40		GWALIOR-ORAI	S/C	483	0	9.9	0.0	9.9
41		SATNA-ORAI	S/C	0	1369	0.0	24.8	-24.8
42		CHITORGARH-BANASKANTHA	D/C	543	482	0.2	0.0	0.2
43		ZERDA-KANKROLI	S/C	235	37	2.3	0.0	2.3
44	400 kV	ZERDA -BHINMAL	S/C	104	133	0.0	0.6	-0.6
45		V'CHAL -RIHAND	S/C	973	0	21.8	0.0	21.8
46	220 kV	RAPP-SHUJALPUR	D/C	262	256	0	0	0
47		BADOD-KOTA	S/C	49	53	0.2	0.1	0.1
48		BADOD-MORAK	S/C	0	71	0.0	0.8	-0.8
49	132kV	MEHGAON-AURAIYA	S/C	74	0	1.0	0.0	1.0
50		MALANPUR-AURAIYA	S/C	50	27	0.4	0.1	0.3
51	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>41.8</b>	<b>137.8</b>	<b>-96.0</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	1002	0.0	23.4	-23.4
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2035	0.0	37.2	-37.2
55		WARDHA-NIZAMABAD	D/C	0	2135	0.0	39.1	-39.1
56	400 kV	KOLHAPUR-KUDGI	D/C	450	232	2.4	0.0	2.4
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	1	61	1.1	0.0	1.1
<b>WR-SR</b>						<b>3.5</b>	<b>99.7</b>	<b>-96.2</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>11.3</b>
61		NEPAL						<b>-7.8</b>
62		BANGLADESH						<b>-24.7</b>