



**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: 01<sup>st</sup> May 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 30.04.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-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 30<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

1-May-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52619	51122	42302	21112	2405	169560
Peak Shortage (MW)	518	0	0	0	190	708
Energy Met (MU)	1160	1267	1007	475	40	3948
Hydro Gen (MU)	265	33	55	80	10	443
Wind Gen (MU)	23	116	124	-----	-----	263
Solar Gen (MU)*	26.81	27.35	74.31	2.03	0.03	131
Energy Shortage (MU)	10.4	0.0	0.0	0.0	4.5	14.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55500 22:23	56616 15:37	45273 15:29	22585 00:01	2419 18:30	174398 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	0.040	0.00	0.00	0.60	0.60	60.95	38.45

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	6656	0	132.5	51.7	0.0	190	0.0
	Haryana	7954	0	154.7	110.0	0.4	259	0.0
	Rajasthan	10499	0	231.6	64.8	1.2	362	0.0
	Delhi	5634	0	111.9	97.3	-1.2	97	0.0
	UP	19935	0	410.9	183.2	0.7	748	0.0
	Uttarakhand	1900	0	41.8	18.6	-0.3	120	0.0
	HP	1364	0	27.6	6.0	0.8	140	0.0
	J&K	2212	553	43.9	24.5	-1.0	186	10.4
	Chandigarh	256	0	5.0	5.6	-0.5	-1	0.0
WR	Chhattisgarh	4562	0	105.9	48.1	-2.0	288	0.0
	Gujarat	17707	0	385.3	116.2	-1.9	606	0.0
	MP	9718	0	219.7	96.9	-1.3	346	0.0
	Maharashtra	23150	0	508.9	148.5	0.0	645	0.0
	Goa	541	0	13.5	12.4	0.4	99	0.0
	DD	333	0	7.5	7.0	0.4	35	0.0
	DNH	800	0	18.8	18.7	0.1	64	0.0
	Essar steel	394	0	7.2	6.9	0.3	275	0.0
	SR	Andhra Pradesh	9001	0	193.7	63.7	0.3	623
Telangana		8410	0	177.3	61.2	0.2	413	0.0
Karnataka		11314	0	214.8	69.0	0.7	489	0.0
Kerala		3930	0	79.5	55.9	1.4	187	0.0
Tamil Nadu		14672	0	332.7	158.4	-0.7	571	0.0
Pondy		438	0	9.1	9.2	-0.1	46	0.0
ER		Bihar	5359	0	105.0	98.5	1.3	50
	DVC	3205	0	69.1	-51.2	0.7	400	0.0
	Jharkhand	1008	0	25.9	16.8	-0.9	50	0.0
	Odisha	4713	0	98.0	35.3	3.3	700	0.0
	West Bengal	8678	0	175.5	54.7	0.3	200	0.0
	Sikkim	95	0	1.2	1.4	-0.3	25	0.0
NER	Arunachal Pradesh	128	1	2.3	2.6	-0.3	46	0.0
	Assam	1363	107	21.3	16.2	0.7	96	4.0
	Manipur	169	2	2.5	2.2	0.3	25	0.0
	Meghalaya	322	0	5.6	4.2	-0.1	37	0.4
	Mizoram	87	1	1.6	1.6	-0.1	19	0.0
	Nagaland	122	2	2.2	2.0	0.2	29	0.0
	Tripura	286	0	4.5	5.0	-0.5	56	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.3	-9.5	-24.3
Day peak (MW)	1079.6	-462.0	-1144.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	195.6	-255.7	121.3	-59.3	-1.8	0.2
Actual(MU)	188.3	-261.1	125.5	-51.9	-4.0	-3.1
O/D/U/D(MU)	-7.3	-5.4	4.2	7.4	-2.3	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4872	11129	6852	1600	195	24648
State Sector	7340	12894	6270	2985	50	29539
Total	12212	24023	13122	4585	245	54187

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	567	1271	507	466	12	2824
Lignite	15	12	46	0	0	73
Hydro	265	33	55	80	10	443
Nuclear	28	31	37	0	0	95
Gas, Naptha & Diesel	35	44	16	0	28	123
RES (Wind, Solar, Biomass & Others)	79	151	225	2	0	456
Total	988	1542	885	549	50	4014

Share of RES in total generation (%)	7.95	9.79	25.40	0.38	0.06	11.37
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.54	13.93	35.75	14.98	20.42	24.78

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 : 1-May-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	156	322	0.0	2.3	-2.3
2		SASARAM-FATEHPUR	S/C	39	401	0.0	4.4	-4.4
3		GAYA-BALIA	S/C	0	230	0.0	2.5	-2.5
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	109	0.0	1.5	-1.5
7		PUSAULI -ALLAHABAD	S/C	51	26	0.4	0.0	0.4
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1065	0.0	17.5	-17.5
9		PATNA-BALIA	Q/C	0	998	0.0	17.0	-17.0
10		BIHARSHARIFF-BALIA	D/C	0	542	0.0	9.0	-9.0
11		MOTIHARI-GORAKHPUR	D/C	0	348	0.0	5.5	-5.5
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	237	0.0	3.9	-3.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
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>0.9</b>	<b>64.9</b>	<b>-64.0</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1969	0	35.8	0.0	35.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	547	215	5.1	0.0	5.1
20		JHARSUGUDA-DURG	D/C	179	84	1.1	0.0	1.1
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	254	114	1.3	0.0	1.3
22		RANCHI-SIPAT	D/C	281	97	2.8	0.0	2.8
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	138	0.0	2.2	-2.2
24		BUDHIPADAR-KORBA	D/C	183	0	3.0	0.0	3.0
<b>ER-WR</b>						<b>49.0</b>	<b>2.2</b>	<b>46.8</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1891.0	0.0	33.6	-33.6
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	669.0	0.0	15.9	-15.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2451.0	0.0	44.3	-44.3
28	400 kV	TALCHER-I/C	D/C	169.0	869.0	0.0	6.1	-6.1
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>93.8</b>	<b>-93.8</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	492	0	8.4	0.0	8
31		ALIPURDUAR-BONGAIGAON	D/C	602	0	10.4	0.0	10
32	220 kV	ALIPURDUAR-SALAKATI	D/C	103	0	1.4	0.0	1
<b>ER-NER</b>						<b>20.2</b>	<b>0.0</b>	<b>20.2</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	658	0	16.0	0.0	16.0
<b>NER-NR</b>						<b>16.0</b>	<b>0.0</b>	<b>16.0</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1510	0.0	35.5	-35.5
35		V'CHAL B/B	D/C	242	0	6.1	0.0	6.1
36		APL -MHG	D/C	0	1169	0.0	26.5	-26.5
37	765 kV	GWALIOR-AGRA	D/C	0	2471	0.0	44.1	-44.1
38		PHAGI-GWALIOR	D/C	0	1020	0.0	18.2	-18.2
39		JABALPUR-ORAI	D/C	0	805	0.0	25.6	-25.6
40		GWALIOR-ORAI	S/C	555	0	10.4	0.0	10.4
41		SATNA-ORAI	S/C	0	1388	0.0	28.5	-28.5
42		CHITORGARH-BANASKANTHA	D/C	56	588	0.0	3.8	3.8
43		ZERDA-KANKROLI	S/C	151	43	1.5	0.0	1.5
44	400 kV	ZERDA -BHINMAL	S/C	34	123	0.0	1.1	-1.1
45		V'CHAL -RIHAND	S/C	964	0	21.8	0.0	21.8
46	220 kV	RAPP-SHUJALPUR	D/C	62	280	0	1	-1
47		BHANPURA-KOTA	S/C	54	36	0.0	1.0	-1.0
48		BHANPURA-MORAK	S/C	0	111	0.0	1.8	-1.8
49	132kV	MEHGAON-AURAIYA	S/C	56	3	0.5	0.0	0.5
50		MALANPUR-AURAIYA	S/C	22	40	0.1	0.3	-0.2
51	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>40.3</b>	<b>187.1</b>	<b>-139.2</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.8	-23.8
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2098	0.0	26.1	-26.1
55		WARDHA-NIZAMABAD	D/C	0	2034	0.0	33.4	-33.4
56	400 kV	KOLHAPUR-KUDGI	D/C	756	0	10.5	0.0	10.5
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	56	0.2	0.0	0.2
<b>WR-SR</b>						<b>10.7</b>	<b>83.3</b>	<b>-72.6</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>10.3</b>
61		NEPAL						<b>-9.5</b>
62		BANGLADESH						<b>-24.3</b>