



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: 08<sup>th</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., डोंगतेिह, 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 07.05.2019.**

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-मई-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 07<sup>th</sup> May 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

8-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)	52026	49569	42109	21249	2466	167419
Peak Shortage (MW)	479	0	0	30	39	548
Energy Met (MU)	1179	1230	1037	444	42	3932
Hydro Gen (MU)	242	53	63	76	20	453
Wind Gen (MU)	44	89	140	-----	-----	272
Solar Gen (MU)*	27.63	26.93	84.50	2.18	0.04	141
Energy Shortage (MU)	11.6	0.0	0.0	0.1	0.6	12.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55598 23:25	53559 14:12	45995 14:57	21845 23:31	2450 19:07	174173 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	0.13	9.25	9.38	80.42	10.21

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	7229	0	156.9	81.3	-2.2	250	0.0
	Haryana	8203	0	165.3	132.9	0.0	333	0.4
	Rajasthan	10442	0	230.6	66.5	-1.4	419	0.0
	Delhi	5419	0	110.7	94.6	-1.1	187	0.0
	UP	20026	0	395.5	180.6	0.0	397	0.6
	Uttarakhand	1985	0	43.0	19.3	-0.1	110	0.0
	HP	1335	0	27.4	6.3	0.6	128	0.0
	J&K	2080	520	45.0	28.9	-1.1	155	10.6
WR	Chandigarh	241	0	4.9	5.6	-0.7	0	0.0
	Chhattisgarh	4146	0	95.4	48.8	-3.2	293	0.0
	Gujarat	17032	0	379.4	96.4	5.4	616	0.0
	MP	9121	0	209.7	100.1	0.0	589	0.0
	Maharashtra	22581	0	504.1	143.8	-1.3	997	0.0
	Goa	541	0	10.7	11.1	-0.9	39	0.0
	DD	327	0	7.3	6.9	0.4	41	0.0
	DNH	799	0	18.5	18.6	-0.1	52	0.0
SR	Essar steel	258	0	5.0	5.7	-0.7	138	0.0
	Andhra Pradesh	9474	0	196.5	47.1	-0.9	354	0.0
	Telangana	8046	0	174.8	56.4	0.1	504	0.0
	Karnataka	11743	0	226.9	66.6	-1.1	473	0.0
	Kerala	4149	0	86.1	56.4	1.3	213	0.0
	Tamil Nadu	14659	0	343.7	135.9	-2.1	494	0.0
	Pondy	399	0	8.7	8.9	-0.2	39	0.0
	ER	Bihar	5149	0	92.8	90.9	-0.5	100
DVC		2978	0	65.9	-43.1	2.1	200	0.0
Jharkhand		1353	0	26.7	16.4	-0.3	50	0.0
Odisha		3706	0	74.0	22.5	0.2	250	0.0
West Bengal		9037	0	183.5	54.8	0.6	400	0.0
NER	Sikkim	85	0	1.1	1.4	-0.4	10	0.0
	Arunachal Pradesh	114	3	1.9	1.7	0.2	39	0.0
	Assam	1446	21	23.9	18.5	0.4	136	0.6
	Manipur	168	2	2.4	2.2	0.2	41	0.0
	Meghalaya	307	0	5.0	1.7	0.3	96	0.0
	Mizoram	97	2	1.8	1.2	0.4	32	0.0
	Nagaland	124	3	2.0	2.0	0.1	22	0.0
	Tripura	281	1	4.9	4.7	0.1	46	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.4	-10.8	-26.5
Day peak (MW)	889.2	-475.0	-1138.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	264.9	-263.0	89.8	-75.7	-15.4	0.6
Actual(MU)	251.0	-260.4	87.3	-66.9	-14.2	-3.2
O/D/U/D(MU)	-13.9	2.6	-2.6	8.8	1.2	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4966	11885	7772	1600	205	26428
State Sector	9415	13910	3520	3275	50	30170
Total	14381	25795	11292	4875	255	56597

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	527	1248	541	464	12	2792
Lignite	15	14	44	0	0	73
Hydro	242	53	63	76	20	453
Nuclear	27	31	37	0	0	95
Gas, Naptha & Diesel	35	50	15	0	29	130
RES (Wind, Solar, Biomass & Others)	95	123	256	2	0	477
Total	943	1519	955	542	61	4019

Share of RES in total generation (%)	10.08	8.11	26.85	0.41	0.07	11.87
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.70	13.61	37.23	14.36	32.64	25.49

H. Diversity Factor

All India Demand Diversity Factor	1.030
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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 : 8-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	0	328	0.0	4.6	-4.6
2		SASARAM-FATEHPUR	S/C	205	140	0.0	0.0	0.0
3		GAYA-BALIA	S/C	0	403	0.0	5.3	-5.3
4		ALIPURDUAR-AGRA	-	0	901	0.0	20.2	-20.2
5		PUSAULI B/B	S/C	0	50	0.0	1.2	-1.2
6	400 kV	PUSAULI-VARANASI	S/C	0	64	0.0	1.0	-1.0
7		PUSAULI -ALLAHABAD	S/C	5	44	0.0	0.1	-0.1
8		MUZAFFARPUR-GORAKHPUR	D/C	7	716	0.0	9.0	-9.0
9		PATNA-BALIA	Q/C	0	865	0.0	13.7	-13.7
10		BIHARSHARIFF-BALIA	D/C	0	331	0.0	5.8	-5.8
11		MOTIHARI-GORAKHPUR	D/C	0	340	0.0	5.7	-5.7
12		BIHARSHARIFF-VARANASI	D/C	106	214	0.0	1.3	-1.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	206	0.0	3.4	-3.4
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
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>0.4</b>	<b>71.3</b>	<b>-70.9</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1587	0	26.9	0.0	26.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	1243	0	16.3	0.0	16.3
20		JHARSUGUDA-DURG	D/C	191	41	1.3	0.0	1.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	210	77	1.1	0.0	1.1
22		RANCHI-SIPAT	D/C	388	0	3.7	0.0	3.7
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	83	0.0	1.0	-1.0
24		BUDHIPADAR-KORBA	D/C	154	0	1.3	0.0	1.3
<b>ER-WR</b>						<b>50.5</b>	<b>1.0</b>	<b>49.5</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1321.0	0.0	24.5	-24.5
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	687.0	0.0	16.0	-16.0
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2455.0	0.0	47.2	-47.2
28	400 kV	TALCHER-I/C	D/C	213.0	944.0	0.0	9.0	-9.0
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>87.7</b>	<b>-87.7</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	90	460	0.0	3.7	-4
31		ALIPURDUAR-BONGAIGAON	D/C	593	3	7.0	0.0	7
32	220 kV	ALIPURDUAR-SALAKATI	D/C	70	54	0.3	0.0	0
<b>ER-NER</b>						<b>7.2</b>	<b>3.7</b>	<b>3.6</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	401	0.0	11.3	-11.3
<b>NER-NR</b>						<b>0.0</b>	<b>11.3</b>	<b>-11.3</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1594	0.0	15.1	-15.1
35		V'CHAL B/B	D/C	47	0	6.1	0.0	6.1
36		APL -MHG	D/C	0	1912	0.0	33.3	-33.3
37	765 kV	GWALIOR-AGRA	D/C	0	2981	0.0	52.4	-52.4
38		PHAGI-GWALIOR	D/C	0	1232	0.0	24.8	-24.8
39		JABALPUR-ORAI	D/C	0	1071	0.0	35.8	-35.8
40		GWALIOR-ORAI	S/C	415	0	8.1	0.0	8.1
41		SATNA-ORAI	S/C	0	1552	0.0	31.6	-31.6
42		CHITORGARH-BANASKANTHA	D/C	0	847	0.0	6.9	6.9
43		ZERDA-KANKROLI	S/C	156	81	1.2	0.0	1.2
44	400 kV	ZERDA -BHINMAL	S/C	94	121	0.0	0.4	-0.4
45		V'CHAL -RIHAND	S/C	981	0	21.6	0.0	21.6
46		RAPP-SHUJALPUR	D/C	85	276	0	1	-1
47	220 kV	BHANPURA-KOTA	S/C	30	59	0.0	2.0	-2.0
48		BHANPURA-MORAK	S/C	0	136	0.0	2.6	-2.6
49		MEHGAON-AURAIYA	S/C	29	33	0.1	0.2	0.0
50		MALANPUR-AURAIYA	S/C	0	70	0.0	0.7	-0.7
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>37.1</b>	<b>207.2</b>	<b>-156.3</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	1002	0.0	23.0	-23.0
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	494	1280	0.0	8.2	-8.2
55		WARDHA-NIZAMABAD	D/C	0	1389	0.0	19.5	-19.5
56	400 kV	KOLHAPUR-KUDGI	D/C	696	0	10.0	0.0	10.0
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	64	1.3	0.0	1.3
<b>WR-SR</b>						<b>11.2</b>	<b>50.7</b>	<b>-39.5</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>12.4</b>
61		NEPAL						<b>-10.8</b>
62		BANGLADESH						<b>-26.5</b>