



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: 09<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 08.05.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-मई-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 08<sup>th</sup> May 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

9-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)	53780	49667	42532	21737	2386	170102
Peak Shortage (MW)	575	0	0	0	77	652
Energy Met (MU)	1224	1221	1014	468	43	3971
Hydro Gen (MU)	243	51	63	74	18	449
Wind Gen (MU)	49	107	154	-----	-----	309
Solar Gen (MU)*	26.03	27.49	80.74	2.17	-----	136
Energy Shortage (MU)	12.2	0.0	0.0	0.0	1.2	13.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57640 23:09	54148 14:51	44804 14:58	22505 21:05	2445 19:01	177678 22:31

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	0.067	0.00	2.42	18.25	20.67	71.57	7.75

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	7735	0	169.9	86.0	-2.1	36	0.0
	Haryana	8421	0	169.2	132.4	-1.0	135	0.1
	Rajasthan	10710	0	239.3	74.4	-1.3	285	0.0
	Delhi	5598	0	114.5	96.7	-0.2	261	0.0
	UP	20222	620	408.6	185.7	0.7	782	1.2
	Uttarakhand	2014	0	43.6	19.7	-0.2	65	0.0
	HP	1359	0	28.4	5.4	1.7	296	0.0
	J&K	2335	584	45.8	28.1	0.2	312	10.9
WR	Chhattisgarh	273	0	5.1	5.8	-0.7	0	0.0
	Gujarat	16753	0	373.5	92.0	3.4	823	0.0
	MP	9303	0	210.6	97.6	0.0	388	0.0
	Maharashtra	22472	0	501.8	142.1	-1.2	536	0.0
	Goa	541	0	10.7	11.2	-1.1	138	0.0
	DD	299	0	6.0	5.7	0.3	51	0.0
	DNH	799	0	18.5	18.5	0.0	134	0.0
	Essar steel	238	0	4.7	5.7	-1.0	167	0.0
SR	Andhra Pradesh	9382	0	195.6	40.5	-0.7	539	0.0
	Telangana	8001	0	174.5	53.7	0.4	421	0.0
	Karnataka	10919	0	220.8	57.8	-0.2	463	0.0
	Kerala	4041	0	84.0	56.0	0.9	233	0.0
	Tamil Nadu	14931	0	330.9	133.8	-1.2	685	0.0
	Pondy	401	0	8.4	8.5	-0.1	73	0.0
ER	Bihar	5297	0	98.6	95.1	0.8	200	0.0
	DVC	3080	0	66.8	-46.4	1.2	150	0.0
	Jharkhand	1253	0	26.7	18.0	-0.7	100	0.0
	Odisha	3928	0	80.3	23.5	1.5	250	0.0
	West Bengal	9202	0	194.5	58.8	0.4	275	0.0
Sikkim	98	0	1.1	1.4	-0.3	22	0.0	
NER	Arunachal Pradesh	122	0	2.1	1.7	0.4	28	0.0
	Assam	1458	23	24.5	19.4	1.0	167	0.7
	Manipur	167	3	2.6	2.4	0.2	32	0.0
	Meghalaya	321	0	5.3	1.6	0.0	38	0.4
	Mizoram	93	1	1.6	1.3	0.3	33	0.0
	Nagaland	108	2	2.3	2.0	0.2	19	0.0
	Tripura	283	0	4.5	4.9	-0.3	65	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.8	-11.1	-27.0
Day peak (MW)	905.4	-652.7	-1145.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	276.9	-277.4	85.9	-73.6	-11.9	-0.1
Actual(MU)	259.5	-278.1	79.5	-56.9	-7.0	-3.0
O/D/U/D(MU)	-17.4	-0.8	-6.4	16.7	4.9	-2.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4967	11275	9822	1560	70	27694
State Sector	10835	13745	4440	2985	50	32055
Total	15802	25020	14262	4545	120	59748

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	554	1245	517	483	11	2810
Lignite	16	14	42	0	0	71
Hydro	243	51	63	74	18	449
Nuclear	28	31	37	0	0	95
Gas, Naptha & Diesel	37	51	15	0	29	132
RES (Wind, Solar, Biomass & Others)	98	141	266	2	0	508
Total	976	1533	939	559	58	4065

Share of RES in total generation (%)	10.09	9.21	28.35	0.40	0.07	12.50
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.82	14.57	38.93	13.70	30.50	25.89

H. Diversity Factor

All India Demand Diversity Factor	1.022
-----------------------------------	-------

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 : **9-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	36	275	0.0	3.9	-3.9
2		SASARAM-FATEHPUR	S/C	158	122	1.1	0.0	1.1
3		GAYA-BALIA	S/C	0	355	0.0	6.3	-6.3
4		ALIPURDUAR-AGRA	-	0	901	0.0	21.9	-21.9
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	70	0.0	1.1	-1.1
7		PUSAULI -ALLAHABAD	S/C	12	38	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	99	581	0.0	6.0	-6.0
9		PATNA-BALIA	Q/C	0	790	0.0	13.9	-13.9
10		BIHARSHARIFF-BALIA	D/C	0	353	0.0	6.0	-6.0
11		MOTIHARI-GORAKHPUR	D/C	0	311	0.0	5.9	-5.9
12		BIHARSHARIFF-VARANASI	D/C	121	155	0.0	0.6	-0.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	216	0.0	3.6	-3.6
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>1.5</b>	<b>70.4</b>	<b>-68.9</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1435	0	24.4	0.0	24.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	1067	0	17.3	0.0	17.3
20		JHARSUGUDA-DURG	D/C	196	38	2.4	0.0	2.4
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	223	30	2.4	0.0	2.4
22		RANCHI-SIPAT	D/C	346	0	6.0	0.0	6.0
23	220 kV	BUDHIPADAR-RAIGARH	S/C	2	76	0.0	0.8	-0.8
24		BUDHIPADAR-KORBA	D/C	178	0	3.1	0.0	3.1
<b>ER-WR</b>						<b>55.5</b>	<b>0.8</b>	<b>54.7</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1373.0	0.0	25.7	-25.7
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	789.0	0.0	16.0	-16.0
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	40.7	-40.7
28	400 kV	TALCHER-I/C	D/C	441.0	575.0	0.0	2.2	-2.2
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>82.4</b>	<b>-82.4</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	409	0.0	6.0	-6
31		ALIPURDUAR-BONGAIGAON	D/C	416	0	4.8	0.0	5
32	220 kV	ALIPURDUAR-SALAKATI	D/C	37	35	0.0	0.2	0
<b>ER-NER</b>						<b>4.8</b>	<b>6.1</b>	<b>-1.3</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	400	0.0	8.6	-8.6
<b>NER-NR</b>						<b>0.0</b>	<b>8.6</b>	<b>-8.6</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1600	0.0	38.4	-38.4
35		V'CHAL B/B	D/C	243	0	5.9	0.0	5.9
36		APL -MHG	D/C	0	1453	0.0	34.7	-34.7
37	765 kV	GWALIOR-AGRA	D/C	0	2784	0.0	51.5	-51.5
38		PHAGI-GWALIOR	D/C	0	1219	0.0	23.9	-23.9
39		JABALPUR-ORAI	D/C	0	987	0.0	37.3	-37.3
40		GWALIOR-ORAI	S/C	410	0	8.1	0.0	8.1
41		SATNA-ORAI	S/C	0	1493	0.0	31.7	-31.7
42		CHITORGARH-BANASKANTHA	D/C	0	737	0.0	7.6	7.6
43		ZERDA-KANKROLI	S/C	92	35	0.0	0.0	0.0
44	400 kV	ZERDA -BHINMAL	S/C	65	70	0.0	0.5	-0.5
45		V'CHAL -RIHAND	S/C	981	0	22.5	0.0	22.5
46		RAPP-SHUJALPUR	D/C	47	224	0	2	-2
47	220 kV	BHANPURA-KOTA	S/C	21	56	0.0	2.0	-2.0
48		BHANPURA-MORAK	S/C	0	164	0.0	2.6	-2.6
49		MEHGAON-AURAIYA	S/C	32	31	0.1	0.1	0.0
50		MALANPUR-AURAIYA	S/C	0	54	0.0	0.8	-0.8
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>36.6</b>	<b>232.5</b>	<b>-180.6</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	701	0.0	16.8	-16.8
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	615	1223	0.0	9.0	-9.0
55		WARDHA-NIZAMABAD	D/C	0	1372	0.0	18.1	-18.1
56	400 kV	KOLHAPUR-KUDGI	D/C	668	34	7.8	0.0	7.8
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	61	1.2	0.0	1.2
<b>WR-SR</b>						<b>9.0</b>	<b>44.0</b>	<b>-35.0</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>11.8</b>
61		NEPAL						<b>-11.1</b>
62		BANGLADESH						<b>-27.0</b>