



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: 13<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 12.05.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12<sup>th</sup> May 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

13-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)	49553	47123	40886	20621	2187	160370
Peak Shortage (MW)	574	0	50	0	337	961
Energy Met (MU)	1158	1185	978	463	41	3825
Hydro Gen (MU)	262	53	64	78	18	474
Wind Gen (MU)	20	68	59	-----	-----	147
Solar Gen (MU)*	25.89	25.5	76.73	2.13	0.03	130
Energy Shortage (MU)	11.3	0.0	0.0	0.0	3.1	14.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53801 00:01	52378 00:10	42781 22:24	22261 23:04	2348 18:34	171647 00:00

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	0.034	0.00	0.19	4.87	5.06	74.59	20.35

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	7434	0	162.4	82.5	-2.1	25	0.0
	Haryana	7750	0	158.8	123.0	-0.2	403	0.0
	Rajasthan	9724	0	205.0	63.6	-0.3	521	0.0
	Delhi	5438	0	99.6	83.0	-0.6	152	0.0
	UP	19235	0	414.8	181.5	-0.4	420	0.3
	Uttarakhand	1850	0	40.7	16.8	0.2	160	0.0
	HP	1274	0	25.8	4.9	1.3	203	0.0
	J&K	2321	580	46.5	25.9	-0.3	191	10.9
WR	Chandigarh	356	0	4.7	5.5	-0.9	139	0.0
	Chhattisgarh	4139	0	94.1	43.3	-0.8	247	0.0
	Gujarat	16165	0	364.2	79.7	6.2	582	0.0
	MP	9238	0	206.1	105.0	0.0	431	0.0
	Maharashtra	20848	0	479.3	120.7	1.8	590	0.0
	Goa	541	0	11.2	9.6	1.0	120	0.0
	DD	306	0	7.1	6.6	0.4	41	0.0
	DNH	767	0	17.9	17.9	0.0	68	0.0
SR	Essar steel	235	0	4.8	5.7	-0.9	161	0.0
	Andhra Pradesh	9396	0	194.3	62.3	0.2	526	0.0
	Telangana	7185	0	154.8	39.9	0.5	486	0.0
	Karnataka	10465	0	214.9	58.3	-0.3	510	0.0
	Kerala	3954	0	78.8	56.5	1.3	204	0.0
	Tamil Nadu	14819	0	326.3	150.9	-0.4	708	0.0
	Pondy	391	0	8.5	8.6	-0.1	42	0.0
	Bihar	5225	0	105.7	100.6	0.3	290	0.0
ER	DVC	3119	0	67.7	-44.8	0.2	140	0.0
	Jharkhand	1287	0	28.9	18.3	-0.2	100	0.0
	Odisha	3975	0	83.5	27.2	0.7	340	0.0
	West Bengal	8998	0	176.8	58.9	-1.8	270	0.0
	Sikkim	73	0	0.9	1.1	-0.3	20	0.0
NER	Arunachal Pradesh	92	3	1.8	2.6	-0.8	1	0.0
	Assam	1392	56	23.3	18.8	0.5	162	2.5
	Manipur	161	3	2.6	2.3	0.2	39	0.0
	Meghalaya	295	1	4.9	2.5	0.2	66	0.4
	Mizoram	84	2	1.7	1.2	0.5	38	0.0
	Nagaland	100	2	2.0	2.0	0.0	17	0.0
	Tripura	280	3	4.4	4.6	-0.3	54	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.1	-10.2	-26.7
Day peak (MW)	828.1	-532.3	-1142.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	229.3	-260.2	109.2	-68.8	-12.1	-2.8
Actual(MU)	191.2	-235.6	114.6	-56.5	-11.2	2.5
O/D/U/D(MU)	-38.1	24.6	5.4	12.3	0.9	5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4588	13809	8752	1350	100	28600
State Sector	9465	13327	3580	3195	50	29617
Total	14053	27136	12332	4545	150	58216

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	553	1204	536	470	10	2774
Lignite	16	14	53	0	0	83
Hydro	262	53	64	78	18	474
Nuclear	28	31	37	0	0	95
Gas, Naptha & Diesel	37	53	14	0	29	133
RES (Wind, Solar, Biomass & Others)	68	99	168	2	0	338
Total	963	1454	872	550	57	3897

Share of RES in total generation (%)	7.10	6.84	19.26	0.39	0.05	8.67
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.14	12.63	30.77	14.51	30.73	23.28

H. Diversity Factor

All India Demand Diversity Factor	1.011
-----------------------------------	-------

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 : 13-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	197	138	0.0	0.4	-0.4
2		SASARAM-FATEHPUR	S/C	140	120	0.1	0.0	0.1
3		GAYA-BALIA	S/C	0	241	0.0	4.0	-4.0
4		ALIPURDUAR-AGRA	-	0	901	0.0	21.9	-21.9
5		PUSAULI B/B	S/C	0	49	0.0	1.4	-1.4
6	400 kV	PUSAULI-VARANASI	S/C	0	103	0.0	1.8	-1.8
7		PUSAULI -ALLAHABAD	S/C	43	16	0.6	0.0	0.6
8		MUZAFFARPUR-GORAKHPUR	D/C	0	634	0.0	8.1	-8.1
9		PATNA-BALIA	Q/C	0	709	0.0	11.9	-11.9
10		BIHARSHARIFF-BALIA	D/C	0	313	0.0	5.4	-5.4
11		MOTIHARI-GORAKHPUR	D/C	0	291	0.0	5.3	-5.3
12		BIHARSHARIFF-VARANASI	D/C	144	137	0.0	0.2	-0.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	212	0.0	4.1	-4.1
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>1.1</b>	<b>64.4</b>	<b>-63.3</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1866	0	29.4	0.0	29.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	881	0	15.0	0.0	15.0
20		JHARSUGUDA-DURG	D/C	235	0	3.1	0.0	3.1
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	286	7	3.0	0.0	3.0
22		RANCHI-SIPAT	D/C	288	0	5.2	0.0	5.2
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	107	0.0	1.2	-1.2
24		BUDHIPADAR-KORBA	D/C	154	0	2.3	0.0	2.3
<b>ER-WR</b>						<b>58.0</b>	<b>1.2</b>	<b>56.7</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1306.0	0.0	24.1	-24.1
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	690.0	0.0	16.0	-16.0
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1981.0	0.0	47.8	-47.8
28	400 kV	TALCHER-I/C	D/C	0.0	613.0	0.0	13.1	-13.1
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>88.0</b>	<b>-88.0</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	35	376	0.0	3.3	-3
31		ALIPURDUAR-BONGAIGAON	D/C	524	0	7.5	0.0	7
32	220 kV	ALIPURDUAR-SALAKATI	D/C	60	63	0.4	0.0	0
<b>ER-NER</b>						<b>7.8</b>	<b>3.3</b>	<b>4.5</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	300	0.0	7.3	-7.3
<b>NER-NR</b>						<b>0.0</b>	<b>7.3</b>	<b>-7.3</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1006	0.0	23.7	-23.7
35		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1
36		APL -MHG	D/C	0	1170	0.0	29.1	-29.1
37	765 kV	GWALIOR-AGRA	D/C	0	2342	0.0	41.8	-41.8
38		PHAGI-GWALIOR	D/C	0	1049	0.0	20.8	-20.8
39		JABALPUR-ORAI	D/C	0	818	0.0	23.4	-23.4
40		GWALIOR-ORAI	S/C	425	0	7.9	0.0	7.9
41		SATNA-ORAI	S/C	0	1428	0.0	15.0	-15.0
42		CHITORGARH-BANASKANTHA	D/C	69	429	1.2	4.5	3.2
43		ZERDA-KANKROLI	S/C	148	4	1.7	0.0	1.7
44	400 kV	ZERDA -BHINMAL	S/C	149	109	0.1	0.0	0.1
45		V'CHAL -RIHAND	S/C	972	0	22.2	0.0	22.2
46		RAPP-SHUJALPUR	D/C	80	177	1	0	1
47	220 kV	BHANPURA-KOTA	S/C	36	34	0.1	0.5	-0.5
48		BHANPURA-MORAK	S/C	0	88	0.0	1.3	-1.3
49		MEHGAON-AURAIYA	S/C	43	4	0.3	0.0	0.3
50		MALANPUR-AURAIYA	S/C	5	35	0.0	0.4	-0.4
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>40.1</b>	<b>160.5</b>	<b>-113.9</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	992	0.0	23.7	-23.7
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	1638	0.0	21.1	-21.1
55		WARDHA-NIZAMABAD	D/C	0	1547	0.0	20.1	-20.1
56	400 kV	KOLHAPUR-KUDGI	D/C	417	174	1.6	0.0	1.6
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	49	1.0	0.0	1.0
<b>WR-SR</b>						<b>2.6</b>	<b>64.9</b>	<b>-62.4</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>11.1</b>
61		NEPAL						<b>-10.2</b>
62		BANGLADESH						<b>-26.7</b>