



**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: 11<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., डोंगतेह, 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 10.05.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10<sup>th</sup> May 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

11-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)	45651	50622	44232	22119	2438	165062
Peak Shortage (MW)	563	0	0	0	102	665
Energy Met (MU)	1228	1220	1051	483	43	4024
Hydro Gen (MU)	272	57	88	83	19	519
Wind Gen (MU)	31	97	55	-----	-----	183
Solar Gen (MU)*	24.41	26.1	86.07	2.17	0.04	139
Energy Shortage (MU)	13.4	0.0	0.0	0.0	2.8	16.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56664 00:02	52765 17:11	46848 14:56	23193 23:01	2489 18:52	175492 00:02

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	0.060	0.06	1.27	9.72	11.05	65.16	23.78

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	7495	0	152.1	77.2	-2.9	254	0.0
	Haryana	8150	80	162.2	129.2	-2.6	480	0.8
	Rajasthan	10830	0	241.7	84.2	0.2	408	0.0
	Delhi	5792	0	117.5	100.9	-1.5	152	0.1
	UP	20053	840	432.3	191.7	-0.2	404	1.5
	Uttarakhand	2005	0	42.1	19.4	-1.5	87	0.0
	HP	1379	0	28.5	4.8	0.7	171	0.0
	J&K	2360	590	46.4	26.6	-1.6	203	11.0
	Chandigarh	289	0	5.3	6.4	-1.1	20	0.0
WR	Chhattisgarh	4212	0	95.4	48.2	-1.6	231	0.0
	Gujarat	16578	0	374.2	87.7	4.8	549	0.0
	MP	9565	0	217.3	107.3	-0.1	665	0.0
	Maharashtra	21749	0	492.4	138.0	-0.8	413	0.0
	Goa	541	0	10.7	11.2	-1.1	38	0.0
	DD	320	0	7.3	7.0	0.3	35	0.0
	DNH	770	0	18.1	18.1	0.0	58	0.0
	Essar steel	261	0	4.7	5.7	-1.0	148	0.0
	SR	Andhra Pradesh	9802	0	205.0	55.7	0.6	496
Telangana		8147	0	175.0	52.3	1.6	498	0.0
Karnataka		11755	0	236.2	57.8	0.6	480	0.0
Kerala		4076	0	83.6	54.8	1.5	266	0.0
Tamil Nadu		15206	0	342.2	167.7	3.4	492	0.0
Pondy		411	0	8.7	8.1	0.3	80	0.0
ER	Bihar	5450	0	105.7	101.5	1.2	300	0.0
	DVC	3181	0	66.8	-50.2	0.1	200	0.0
	Jharkhand	1224	0	27.4	18.3	-0.7	100	0.0
	Odisha	4058	0	83.3	24.1	-0.1	250	0.0
	West Bengal	9440	0	198.5	64.4	1.6	400	0.0
	Sikkim	97	0	1.3	1.5	-0.2	10	0.0
NER	Arunachal Pradesh	110	2	2.1	3.0	-0.9	4	0.0
	Assam	1447	94	23.4	19.6	0.0	141	2.7
	Manipur	174	1	2.5	2.3	0.2	29	0.0
	Meghalaya	322	0	5.7	2.2	0.2	91	0.0
	Mizoram	93	1	1.8	1.5	0.2	15	0.0
	Nagaland	108	1	2.1	2.0	0.0	26	0.0
	Tripura	294	0	5.1	5.2	-0.2	46	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.7	-10.8	-26.5
Day peak (MW)	763.5	-560.3	-1136.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	265.7	-292.8	101.1	-63.3	-10.1	0.7
Actual(MU)	245.9	-276.7	116.0	-59.2	-12.9	13.1
O/D/U/D(MU)	-19.8	16.1	14.8	4.1	-2.8	12.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4588	12764	8572	1350	104	27378
State Sector	9915	15130	3310	2985	50	31390
Total	14503	27894	11882	4335	153	58767

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	573	1252	571	494	12	2902
Lignite	20	15	48	0	0	83
Hydro	272	57	88	83	19	519
Nuclear	28	31	37	0	0	95
Gas, Naptha & Diesel	36	49	15	0	29	129
RES (Wind, Solar, Biomass & Others)	79	131	176	2	0	388
Total	1008	1535	934	579	60	4116

Share of RES in total generation (%)	7.83	8.55	18.80	0.38	0.07	9.43
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.59	14.27	32.12	14.72	31.42	24.34

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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 : 11-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	403	269	0.0	2.1	-2.1
2		SASARAM-FATEHPUR	S/C	223	145	0.0	0.4	-0.4
3		GAYA-BALIA	S/C	0	304	0.0	4.7	-4.7
4	HVDC	ALIPURDUAR-AGRA	-	0	900	0.0	22.1	-22.1
5		PUSAULI B/B	S/C	2	50	0.0	1.2	-1.2
6	400 kV	PUSAULI-VARANASI	S/C	0	111	0.0	1.4	-1.4
7		PUSAULI -ALLAHABAD	S/C	78	28	0.3	0.0	0.3
8		MUZAFFARPUR-GORAKHPUR	D/C	92	577	0.0	7.7	-7.7
9		PATNA-BALIA	Q/C	0	673	0.0	13.6	-13.6
10		BIHARSHARIFF-BALIA	D/C	0	337	0.0	6.0	-6.0
11		MOTIHARI-GORAKHPUR	D/C	0	297	0.0	5.5	-5.5
12		BIHARSHARIFF-VARANASI	D/C	279	137	0.0	0.9	-0.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	216	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	0.4	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>0.7</b>	<b>69.5</b>	<b>-68.8</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2267	0	29.1	0.0	29.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	1033	0	16.2	0.0	16.2
20		JHARSUGUDA-DURG	D/C	327	0	3.5	0.0	3.5
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	309	0	3.4	0.0	3.4
22		RANCHI-SIPAT	D/C	342	0	5.3	0.0	5.3
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	92	0.0	1.3	-1.3
24		BUDHIPADAR-KORBA	D/C	153	0	2.5	0.0	2.5
<b>ER-WR</b>						<b>60.0</b>	<b>1.3</b>	<b>58.7</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1916.0	0.0	30.8	-30.8
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	2464.0	0.0	46.4	-46.4
28	400 kV	TALCHER-I/C	D/C	314.0	924.0	0.0	7.4	-7.4
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>93.2</b>	<b>-93.2</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	21	389	0.0	3.1	-3
31		ALIPURDUAR-BONGAIGAON	D/C	502	0	7.3	0.0	7
32	220 kV	ALIPURDUAR-SALAKATI	D/C	52	45	0.3	0.0	0
<b>ER-NER</b>						<b>7.6</b>	<b>3.1</b>	<b>4.5</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	300	0.0	7.2	-7.2
<b>NER-NR</b>						<b>0.0</b>	<b>7.2</b>	<b>-7.2</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1502	0.0	32.0	-32.0
35		V'CHAL B/B	D/C	244	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	2618	0.0	46.4	-46.4
38		PHAGI-GWALIOR	D/C	2	1259	0.0	22.6	-22.6
39		JABALPUR-ORAI	D/C	0	999	0.0	32.8	-32.8
40		GWALIOR-ORAI	S/C	431	0	8.6	0.0	8.6
41		SATNA-ORAI	S/C	0	1483	0.0	30.7	-30.7
42		CHITORGARH-BANASKANTHA	D/C	0	723	0.0	11.0	11.0
43		ZERDA-KANKROLI	S/C	98	71	0.4	0.0	0.4
44	400 kV	ZERDA -BHINMAL	S/C	58	169	0.0	1.5	-1.5
45		V'CHAL -RIHAND	S/C	984	0	22.1	0.0	22.1
46	220 kV	RAPP-SHUJALPUR	D/C	208	307	0	1	-1
47		BHANPURA-KOTA	S/C	24	36	0.0	0.9	-0.9
48		BHANPURA-MORAK	S/C	0	120	0.0	1.9	-1.9
49	132kV	MEHGAON-AURAIYA	S/C	39	8	0.2	0.0	0.2
50		MALANPUR-AURAIYA	S/C	3	44	0.0	0.5	-0.5
51	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>37.3</b>	<b>210.8</b>	<b>-151.5</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	1002	0.0	19.6	-19.6
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2380	0.0	24.0	-24.0
55		WARDHA-NIZAMABAD	D/C	0	2373	0.0	23.2	-23.2
56	400 kV	KOLHAPUR-KUDGI	D/C	479	257	2.8	0.0	2.8
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	58	1.2	0.0	1.2
<b>WR-SR</b>						<b>4.0</b>	<b>66.7</b>	<b>-62.7</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>11.7</b>
61		NEPAL						<b>-10.8</b>
62		BANGLADESH						<b>-26.5</b>