



**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: 12<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., 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 11.05.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11<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

12-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)	53987	50025	42729	20792	2310	169843
Peak Shortage (MW)	897	0	0	0	211	1108
Energy Met (MU)	1196	1212	1045	482	43	3977
Hydro Gen (MU)	272	58	74	84	21	509
Wind Gen (MU)	32	79	75	-----	-----	185
Solar Gen (MU)*	25.91	25.6	79.78	2.13	0.04	133
Energy Shortage (MU)	11.0	0.0	0.0	0.0	1.5	12.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55703 22:40	53300 15:08	46446 14:55	22731 00:23	2357 18:33	175419 22:57

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	0.028	0.00	0.24	2.56	2.80	75.83	21.37

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	7359	0	152.0	82.3	-2.1	21	0.0
	Haryana	8047	0	162.0	129.5	-0.1	417	0.0
	Rajasthan	10431	0	227.1	68.3	-1.5	447	0.0
	Delhi	5439	0	110.5	93.8	-0.1	198	0.0
	UP	20680	0	424.5	187.1	1.2	762	0.6
	Uttarakhand	1971	0	43.0	19.9	0.0	124	0.0
	HP	1467	13	28.6	5.3	1.4	308	0.2
	J&K	2371	593	43.4	23.6	-2.5	177	10.2
WR	Chandigarh	224	0	4.7	6.1	-1.4	18	0.0
	Chhattisgarh	4204	0	95.0	44.5	-1.7	399	0.0
	Gujarat	16668	0	370.7	92.4	5.8	755	0.0
	MP	9446	0	213.2	105.5	0.0	542	0.0
	Maharashtra	21686	0	491.6	135.7	0.3	347	0.0
	Goa	541	0	10.7	10.0	0.1	90	0.0
	DD	324	0	7.3	6.9	0.4	38	0.0
	DNH	784	0	18.2	18.2	0.0	71	0.0
SR	Essar steel	253	0	4.9	5.7	-0.9	142	0.0
	Andhra Pradesh	9854	0	199.1	55.6	0.9	495	0.0
	Telangana	8053	0	167.0	45.4	1.0	496	0.0
	Karnataka	11597	0	232.3	58.8	-0.1	495	0.0
	Kerala	4008	0	84.6	57.6	1.4	333	0.0
	Tamil Nadu	15417	0	352.7	166.9	0.8	498	0.0
ER	Pondy	437	0	8.9	9.0	0.0	45	0.0
	Bihar	5320	0	106.1	100.9	0.2	200	0.0
	DVC	3169	0	68.3	-48.4	-0.2	70	0.0
	Jharkhand	1077	0	26.8	16.9	-0.2	140	0.0
	Odisha	4013	0	87.7	28.1	0.4	320	0.0
	West Bengal	9273	0	191.8	69.7	0.2	300	0.0
NER	Sikkim	90	0	1.3	1.6	-0.4	20	0.0
	Arunachal Pradesh	100	3	2.2	2.7	-0.6	12	0.0
	Assam	1475	110	24.4	19.9	0.6	193	1.4
	Manipur	164	2	2.5	2.5	0.0	18	0.0
	Meghalaya	305	0	5.2	2.0	0.1	49	0.0
	Mizoram	96	1	1.6	1.5	0.1	15	0.0
NER	Nagaland	98	1	2.3	2.1	0.1	29	0.0
	Tripura	295	2	5.1	5.4	-0.1	47	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.4	-9.5	-26.9
Day peak (MW)	1097.8	-555.6	-1151.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	244.5	-276.2	101.8	-59.1	-11.2	-0.2
Actual(MU)	223.3	-271.8	128.1	-62.1	-13.2	4.3
O/D/U/D(MU)	-21.3	4.4	26.3	-3.0	-1.9	4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4588	13424	8752	1350	104	28218
State Sector	8940	14381	3580	3745	50	30696
Total	13528	27805	12332	5095	153	58913

G. Sourcwise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	563	1229	560	494	13	2858
Lignite	17	14	53	0	0	84
Hydro	272	58	74	84	21	509
Nuclear	28	31	37	0	0	95
Gas, Naptha & Diesel	36	55	14	0	29	135
RES (Wind, Solar, Biomass & Others)	80	110	188	2	0	380
Total	996	1497	926	580	63	4061

Share of RES in total generation (%)	7.99	7.34	20.29	0.37	0.06	9.34
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.15	13.25	32.22	14.91	33.01	24.22

H. Diversity Factor

All India Demand Diversity Factor	1.029
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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 : 12-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	102	209	0.0	1.5	-1.5	
2		SASARAM-FATEHPUR	S/C	63	235	0.0	1.1	-1.1	
3		GAYA-BALIA	S/C	0	270	0.0	4.1	-4.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	901	0.0	22.4	-22.4	
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	82	0.0	1.4	-1.4	
7		PUSAULI -ALLAHABAD	S/C	22	19	0.4	0.0	0.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	730	0.0	10.5	-10.5	
9		PATNA-BALIA	Q/C	0	736	0.0	13.4	-13.4	
10		BIHARSHARIFF-BALIA	D/C	0	357	0.0	6.7	-6.7	
11		MOTIHARI-GORAKHPUR	D/C	0	283	0.0	5.6	-5.6	
12	BIHARSHARIFF-VARANASI	D/C	36	216	0.0	1.3	-1.3		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	216	0.0	3.7	-3.7	
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>0.8</b>	<b>72.9</b>	<b>-72.1</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1681	0	31.7	0.0	31.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1094	0	16.0	0.0	16.0	
20		JHARSUGUDA-DURG	D/C	253	0	3.5	0.0	3.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	253	60	2.6	0.0	2.6	
22		RANCHI-SIPAT	D/C	345	0	5.0	0.0	5.0	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	84	0.0	1.2	-1.2	
24		BUDHIPADAR-KORBA	D/C	186	0	2.7	0.0	2.7	
						<b>ER-WR</b>	<b>61.4</b>	<b>1.2</b>	<b>60.2</b>
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1730.0	0.0	29.5	-29.5	
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	1979.0	0.0	47.8	-47.8
28	400 kV	TALCHER-I/C	D/C	0.0	616.0	0.0	12.0	-12.0	
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>93.3</b>	<b>-93.3</b>
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	52	322	0.0	2.4	-2	
31		ALIPURDUAR-BONGAIGAON	D/C	549	0	8.8	0.0	9	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	54	46	0.4	0.0	0	
						<b>ER-NER</b>	<b>9.2</b>	<b>2.4</b>	<b>6.9</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	1002	0.0	18.5	-18.5	
35		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1	
36		APL -MHG	D/C	0	1169	0.0	29.1	-29.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2491	0.0	46.3	-46.3	
38		PHAGI-GWALIOR	D/C	0	1193	0.0	20.8	-20.8	
39		JABALPUR-ORAI	D/C	0	1067	0.0	24.3	-24.3	
40		GWALIOR-ORAI	S/C	388	0	6.1	0.0	6.1	
41		SATNA-ORAI	S/C	0	1626	0.0	31.9	-31.9	
42		CHITORGARH-BANASKANTHA	D/C	240	662	0.0	6.5	6.5	
43	400 kV	ZERDA-KANKROLI	S/C	246	87	1.9	0.0	1.9	
44		ZERDA -BHINMAL	S/C	261	180	0.6	0.0	0.6	
45		V'CHAL -RIHAND	S/C	972	0	22.4	0.0	22.4	
46		RAPP-SHUJALPUR	D/C	160	246	0	2	-2	
47	220 kV	BHANPURA-KOTA	S/C	45	54	0.1	0.8	-0.7	
48		BHANPURA-MORAK	S/C	0	133	0.0	1.6	-1.6	
49		MEHGAON-AURAIYA	S/C	48	13	0.3	0.0	0.2	
50		MALANPUR-AURAIYA	S/C	14	48	0.0	0.6	-0.5	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>37.3</b>	<b>182.1</b>	<b>-131.8</b>
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	995	0.0	24.9	-24.9	
53		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	1712	0.0	23.6	-23.6	
55		WARDHA-NIZAMABAD	D/C	0	1847	0.0	22.9	-22.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	438	153	2.3	0.0	2.3	
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	0.6	0.0	0.6	
						<b>WR-SR</b>	<b>2.9</b>	<b>71.4</b>	<b>-68.5</b>
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>12.4</b>	
61		NEPAL						<b>-9.5</b>	
62		BANGLADESH						<b>-26.9</b>	