



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: 17<sup>th</sup> June 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 16.06.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-जून-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 16<sup>th</sup> June 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

17-Jun-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)	53200	44836	40011	19933	2540	160520
Peak Shortage (MW)	886	0	0	0	204	1090
Energy Met (MU)	1281	1095	965	458	50	3848
Hydro Gen (MU)	336	11	47	89	18	500
Wind Gen (MU)	32	156	178	-----	-----	365
Solar Gen (MU)*	29.43	24.2	86.75	2.14	0.01	143
Energy Shortage (MU)	15.6	0.0	0.0	0.0	2.0	17.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60644 00:28	48686 23:28	42151 22:18	22583 23:45	2637 19:01	173774 22:38

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	0.068	0.00	0.00	0.76	0.76	69.50	29.73

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	11325	0	237.6	138.0	-1.8	155	0.0
	Haryana	8514	0	165.9	115.1	-1.9	284	0.0
	Rajasthan	10566	0	223.1	51.1	-3.0	566	0.0
	Delhi	6389	0	117.9	97.0	0.2	283	0.0
	UP	20220	0	413.3	198.4	1.8	509	4.5
	Uttarakhand	2014	0	42.7	15.7	0.8	133	0.0
	HP	1283	0	27.8	0.9	1.3	227	0.0
	J&K	2237	559	46.8	23.4	-1.2	204	11.1
WR	Chandigarh	283	0	5.7	6.3	-0.6	41	0.0
	Chhattisgarh	3627	0	86.9	29.5	0.0	640	0.0
	Gujarat	14674	0	325.4	69.1	5.6	549	0.0
	MP	8577	0	191.1	95.7	-0.1	527	0.0
	Maharashtra	20799	0	455.8	109.4	1.5	615	0.0
	Goa	541	0	11.5	11.7	-0.8	109	0.0
	DD	308	0	7.0	6.7	0.3	32	0.0
	DNH	734	0	17.3	17.5	-0.2	27	0.0
SR	Essar steel	6347	0	0.0	5.9	-5.9	0	0.0
	Andhra Pradesh	9435	0	197.6	36.3	0.5	788	0.0
	Telangana	7498	0	166.4	49.1	0.3	413	0.0
	Karnataka	9694	0	192.8	53.9	3.0	725	0.0
	Kerala	3564	0	69.0	52.2	2.2	227	0.0
	Tamil Nadu	15244	0	330.6	124.6	0.2	967	0.0
	Pondy	406	0	8.5	8.5	-0.1	56	0.0
	Bihar	5253	0	110.7	108.2	0.0	100	0.0
ER	DVC	2975	0	65.8	-39.2	0.0	150	0.0
	Jharkhand	1204	0	26.4	22.1	-0.9	50	0.0
	Odisha	3965	0	77.4	32.2	0.4	400	0.0
	West Bengal	9320	0	177.0	54.8	2.4	400	0.0
	Sikkim	70	0	0.9	1.1	-0.2	22	0.0
NER	Arunachal Pradesh	114	2	2.2	2.8	-0.6	50	0.0
	Assam	1579	125	30.0	25.0	0.6	110	2.0
	Manipur	161	2	2.5	2.4	0.1	19	0.0
	Meghalaya	330	0	5.8	2.4	0.0	63	0.0
	Mizoram	93	3	1.8	1.5	0.2	7	0.0
	Nagaland	127	1	2.3	2.3	-0.2	17	0.0
	Tripura	289	8	5.1	4.2	0.2	67	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	18.1	-9.5	-26.3
Day peak (MW)	1191.7	-538.4	-1139.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	246.6	-242.9	40.1	-39.3	-2.6	2.0
Actual(MU)	223.6	-258.4	62.1	-30.3	-2.7	-5.7
O/D/U/D(MU)	-23.0	-15.5	22.0	9.0	-0.1	-7.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4081	15032	8892	850	56	28911
State Sector	6630	15329	7200	3200	50	32409
Total	10711	30361	16092	4050	106	61320

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	569	1098	457	418	11	2553
Lignite	18	12	34	0	0	64
Hydro	336	11	47	89	18	500
Nuclear	27	30	54	0	0	112
Gas, Naptha & Diesel	45	32	15	0	29	121
RES (Wind, Solar, Biomass & Others)	75	191	291	2	0	558
Total	1070	1374	898	509	58	3908

Share of RES in total generation (%)	7.01	13.87	32.37	0.43	0.02	14.29
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.97	16.89	43.64	17.85	30.91	29.96

H. Diversity Factor

All India Demand Diversity Factor	1.017
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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 : 17-Jun-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	143	421	0.0	1.1	-1.1	
2		SASARAM-FATEHPUR	S/C	279	0	4.0	0.0	4.0	
3		GAYA-BALIA	S/C	0	441	0.0	6.5	-6.5	
4		HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	13.0	-13.0
5			PUSAULI B/B	S/C	0	399	0.0	9.8	-9.8
6	400 kV	PUSAULI-VARANASI	S/C	0	327	0.0	6.8	-6.8	
7		PUSAULI -ALLAHABAD	S/C	0	156	0.0	2.8	-2.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	723	0.0	11.2	-11.2	
9		PATNA-BALIA	Q/C	0	1115	0.0	14.7	-14.7	
10		BIHARSHARIFF-BALIA	D/C	5	250	0.0	2.7	-2.7	
11		MOTIHARI-GORAKHPUR	D/C	172	0	6.9	0.0	6.9	
12		BIHARSHARIFF-VARANASI	D/C	257	0	2.7	0.0	2.7	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	170	0.0	3.2	-3.2	
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	3	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>14.1</b>	<b>71.6</b>	<b>-57.5</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1590	0	26.0	0.0	26.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1008	0	18.5	0.0	18.5	
20		JHARSUGUDA-DURG	D/C	259	30	3.5	0.0	3.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	441	0	8.0	0.0	8.0	
22		RANCHI-SIPAT	D/C	357	0	6.7	0.0	6.7	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	31	68	0.0	0.6	-0.6	
24		BUDHIPADAR-KORBA	D/C	228	0	3.7	0.0	3.7	
<b>ER-WR</b>						<b>66.4</b>	<b>0.6</b>	<b>65.9</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1827.0	0.0	30.7	-30.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	400.0	0.0	9.8	-9.8	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1585.0	0.0	25.4	-25.4	
28	400 kV	TALCHER-I/C	D/C	574.0	834.0	1.7	0.0	1.7	
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>65.8</b>	<b>-65.8</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	436	0.0	6.6	-7	
31		ALIPURDUAR-BONGAIGAON	D/C	117	187	0.0	0.8	-1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	3	69	0.0	0.9	-1	
<b>ER-NER</b>						<b>0.0</b>	<b>8.2</b>	<b>-8.2</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	504	0.0	12.0	-12.0	
<b>NER-NR</b>						<b>0.0</b>	<b>12.0</b>	<b>-12.0</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2504	0.0	45.9	-45.9	
35		V'CHAL B/B	D/C	451	0	12.2	0.0	12.2	
36		APL -MHG	D/C	0	1636	0.0	35.8	-35.8	
37	765 kV	GWALIOR-AGRA	D/C	0	2595	0.0	45.6	-45.6	
38		PHAGI-GWALIOR	D/C	0	1163	0.0	18.1	-18.1	
39		JABALPUR-ORAI	D/C	0	889	0.0	32.0	-32.0	
40		GWALIOR-ORAI	S/C	415	0	7.9	0.0	7.9	
41		SATNA-ORAI	S/C	0	1483	0.0	29.1	-29.1	
42		CHITTORGARH-BANASKANTHA	D/C	122	460	0.0	2.7	2.7	
43		ZERDA-KANKROLI	S/C	148	43	1.2	0.1	1.1	
44	400 kV	ZERDA -BHINMAL	S/C	251	18	2.7	0.0	2.7	
45		V'CHAL -RIHAND	S/C	968	0	22.0	0.0	22.0	
46		RAPP-SHUJALPUR	D/C	71	297	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	69	28	0.5	0.1	0.4	
48		BHANPURA-MORAK	S/C	0	131	0.0	2.3	-2.3	
49		MEHGAON-AURAIYA	S/C	78	21	0.7	0.1	0.6	
50		MALANPUR-AURAIYA	S/C	43	30	0.2	0.1	0.1	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>47.3</b>	<b>213.0</b>	<b>-160.4</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	495	0.0	10.2	-10.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	704	895	0.0	4.3	-4.3	
55		WARDHA-NIZAMABAD	D/C	0	1709	0.0	24.6	-24.6	
56	400 kV	KOLHAPUR-KUDGI	D/C	769	0	10.3	0.0	10.3	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	3	0	0.1	0.0	0.1	
59		XELDEM-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
<b>WR-SR</b>						<b>10.3</b>	<b>39.1</b>	<b>-28.8</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>18.1</b>	
61		NEPAL						<b>-9.5</b>	
62		BANGLADESH						<b>-26.3</b>	