



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: 07<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., 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 07.06.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06<sup>th</sup> June 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

7-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)	49963	51005	38749	20334	2745	162796
Peak Shortage (MW)	517	0	20	0	72	609
Energy Met (MU)	1344	1249	939	437	51	4020
Hydro Gen (MU)	344	15	50	75	17	499
Wind Gen (MU)	15	98	69	-----	-----	182
Solar Gen (MU)*	26.77	24.00	81.66	2.24	0.04	135
Energy Shortage (MU)	11.4	0.0	0.1	0.0	0.5	12.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59767 00:00	56748 16:28	41570 14:30	21801 22:30	2662 19:17	175991 14:44

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	0.040	0.00	0.02	11.79	11.82	78.30	9.88

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	8557	0	198.8	104.3	-4.4	68	0.0
	Haryana	8567	0	185.1	129.0	-0.2	199	0.0
	Rajasthan	12157	0	270.4	85.6	-3.0	248	0.0
	Delhi	6591	0	134.4	113.3	0.4	286	0.0
	UP	20717	0	431.1	193.4	-2.2	397	0.0
	Uttarakhand	2056	0	42.1	16.6	-2.8	68	0.0
	HP	1398	0	29.0	1.6	0.7	138	0.2
	J&K	2211	553	47.5	28.1	-1.4	146	11.2
WR	Chandigarh	290	0	5.7	7.0	-1.3	-21	0.0
	Chhattisgarh	3882	0	89.6	36.7	-0.5	519	0.0
	Gujarat	18238	0	395.0	102.5	3.4	848	0.0
	MP	9953	0	227.6	119.1	0.0	725	0.0
	Maharashtra	22015	0	494.2	122.3	-1.0	2386	0.0
	Goa	541	0	11.9	11.1	0.2	147	0.0
	DD	329	0	7.5	7.2	0.3	37	0.0
	DNH	762	0	17.6	17.8	-0.2	41	0.0
SR	Essar steel	298	0	5.4	5.7	-0.3	318	0.0
	Andhra Pradesh	8754	0	184.1	46.0	-1.3	650	0.0
	Telangana	8355	0	160.9	46.2	-0.1	739	0.0
	Karnataka	9343	0	175.5	44.3	0.0	637	0.0
	Kerala	4029	0	77.8	57.0	1.3	201	0.0
	Tamil Nadu	15214	0	331.6	147.6	1.4	692	0.0
	Pondy	414	20	9.0	9.1	-0.1	51	0.1
	ER	Bihar	5397	0	104.2	100.0	1.2	350
DVC		3037	0	67.6	-42.8	1.0	200	0.0
Jharkhand		1216	0	27.5	18.0	0.1	100	0.0
Odisha		4316	0	81.3	33.9	-1.8	370	0.0
West Bengal		7996	0	155.6	42.1	-0.9	280	0.0
Sikkim		95	0	1.2	1.3	-0.1	30	0.0
NER	Arunachal Pradesh	117	1	2.1	1.9	0.2	42	0.0
	Assam	1706	54	31.2	25.7	0.7	147	0.4
	Manipur	164	2	2.7	2.2	0.5	41	0.0
	Meghalaya	367	0	6.0	1.7	-0.2	48	0.0
	Mizoram	83	1	1.7	1.2	0.4	16	0.0
	Nagaland	116	2	2.2	2.2	-0.1	29	0.0
	Tripura	275	3	5.1	4.1	0.1	55	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.8	-8.5	-17.1
Day peak (MW)	518.2	-499.8	-862.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	242.0	-224.9	73.3	-88.7	-1.0	0.8
Actual(MU)	237.2	-223.4	82.3	-99.9	2.0	-1.8
O/D/U/D(MU)	-4.7	1.5	8.9	-11.2	3.0	-2.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3803	15965	9742	350	306	30166
State Sector	6395	10565	5880	2640	50	25530
Total	10198	26530	15622	2990	356	55696

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	646	1255	545	485	8	2939
Lignite	19	17	36	0	0	72
Hydro	344	15	50	75	17	499
Nuclear	27	18	36	0	0	81
Gas, Naptha & Diesel	42	53	16	0	29	139
RES (Wind, Solar, Biomass & Others)	58	129	184	2	0	374
Total	1136	1487	866	562	54	4105

Share of RES in total generation (%)	5.10	8.71	21.26	0.41	0.07	9.11
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.67	10.90	31.21	13.68	31.41	23.25

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 : **7-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	0	301	0.0	3.3	-3.3
2		SASARAM-FATEHPUR	S/C	36	285	0.0	3.3	-3.3
3		GAYA-BALIA	S/C	0	367	0.0	6.5	-6.5
4	HVDC	ALIPURDUAR-AGRA	-	0	502	0.0	12.8	-12.8
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2
6	400 kV	PUSAULI-VARANASI	S/C	0	99	0.0	1.7	-1.7
7		PUSAULI -ALLAHABAD	S/C	41	3	0.6	0.0	0.6
8		MUZAFFARPUR-GORAKHPUR	D/C	0	617	0.0	9.8	-9.8
9		PATNA-BALIA	Q/C	0	1098	0.0	21.1	-21.1
10		BIHARSHARIFF-BALIA	D/C	0	494	0.0	10.4	-10.4
11		MOTIHARI-GORAKHPUR	D/C	0	400	0.0	7.8	-7.8
12		BIHARSHARIFF-VARANASI	D/C	17	231	0.0	3.0	-3.0
13	220 kV	PUSAULI-SAHUPURI	S/C	2	177	0.0	2.9	-2.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	2	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>1.1</b>	<b>83.9</b>	<b>-82.8</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1015	57	11.3	0.0	11.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	594	54	7.9	0.0	7.9
20		JHARSUGUDA-DURG	D/C	67	144	0.0	0.6	-0.6
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	790	0	11.3	0.0	11.3
22		RANCHI-SIPAT	D/C	215	36	1.9	0.0	1.9
23	220 kV	BUDHIPADAR-RAIGARH	S/C	40	64	0.0	0.2	-0.2
24		BUDHIPADAR-KORBA	D/C	114	0	1.8	0.0	1.8
<b>ER-WR</b>						<b>34.3</b>	<b>0.8</b>	<b>33.5</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2100.0	0.0	33.9	-33.9
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	659.0	0.0	16.2	-16.2
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1194.0	0.0	21.7	-21.7
28	400 kV	TALCHER-I/C	D/C	988.0	7.0	14.6	0.0	14.6
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>71.7</b>	<b>-71.7</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	592	0.0	9.6	-10
31		ALIPURDUAR-BONGAIGAON	D/C	42	342	0.0	4.0	-4
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	112	0.0	1.6	-2
<b>ER-NER</b>						<b>0.0</b>	<b>15.2</b>	<b>-15.2</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	604	0.0	14.3	-14.3
<b>NER-NR</b>						<b>0.0</b>	<b>14.3</b>	<b>-14.3</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1203	0.0	28.6	-28.6
35		V'CHAL B/B	D/C	451	0	12.2	0.0	12.2
36		APL -MHG	D/C	0	1638	0.0	38.0	-38.0
37	765 kV	GWALIOR-AGRA	D/C	0	2144	0.0	39.2	-39.2
38		PHAGI-GWALIOR	D/C	0	1118	0.0	19.0	-19.0
39		JABALPUR-ORAI	D/C	0	811	0.0	28.9	-28.9
40		GWALIOR-ORAI	S/C	427	0	8.9	0.0	8.9
41		SATNA-ORAI	S/C	0	1299	0.0	27.9	-27.9
42		CHITTORGARH-BANASKANTHA	D/C	194	325	0.0	2.2	2.2
43		ZERDA-KANKROLI	S/C	156	15	1.5	0.0	1.5
44	400 kV	ZERDA -BHINMAL	S/C	178	153	0.3	0.0	0.3
45		V'CHAL -RIHAND	S/C	966	0	22.4	0.0	22.4
46	220 kV	RAPP-SHUJALPUR	D/C	99	346	0	3	-3
47		BHANPURA-RANPUR	S/C	24	48	0.1	0.4	-0.3
48		BHANPURA-MORAK	S/C	0	115	0.0	1.9	-1.9
49		MEHGAON-AURAIYA	S/C	55	28	0.6	0.0	0.6
50	132kV	MALANPUR-AURAIYA	S/C	17	25	0.1	0.2	-0.1
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>46.2</b>	<b>188.8</b>	<b>-138.2</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	495	0.0	11.7	-11.7
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	410	1715	0.0	12.5	-12.5
55		WARDHA-NIZAMABAD	D/C	0	2352	0.0	29.0	-29.0
56	400 kV	KOLHAPUR-KUDGI	D/C	584	498	5.1	0.0	5.1
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	53	1.1	0.0	1.1
<b>WR-SR</b>						<b>6.2</b>	<b>53.2</b>	<b>-47.0</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>8.8</b>
61		NEPAL						<b>-8.5</b>
62		BANGLADESH						<b>-17.1</b>