



**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: 09<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., 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 09.06.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08<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

9-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)	54746	50874	41190	20144	2647	169601
Peak Shortage (MW)	872	0	800	0	109	1781
Energy Met (MU)	1341	1218	937	454	50	4000
Hydro Gen (MU)	331	14	60	94	18	517
Wind Gen (MU)	8	70	84	-----	-----	162
Solar Gen (MU)*	27.93	23.04	69.50	2.69	0.03	123
Energy Shortage (MU)	17.3	0.0	6.7	0.0	1.3	25.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60273 23:40	55536 16:23	42114 19:28	21702 22:33	2707 19:06	176471 23:20

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	0.070	0.31	3.06	16.98	20.35	75.49	4.17

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	8938	0	190.3	104.5	-1.8	180	0.0
	Haryana	9123	0	187.4	130.5	-1.1	106	0.0
	Rajasthan	11967	0	271.0	83.5	1.0	373	0.0
	Delhi	6367	0	129.0	108.9	-0.5	195	0.0
	UP	20018	880	433.9	189.0	-0.3	311	6.0
	Uttarakhand	2051	0	46.1	19.4	0.8	91	0.0
	HP	1495	0	30.1	3.5	1.4	186	0.0
	J&K	2120	530	47.5	25.5	-1.2	188	11.3
	Chandigarh	283	0	5.7	6.6	-0.9	2	0.0
WR	Chhattisgarh	3835	0	85.6	31.9	-2.1	310	0.0
	Gujarat	18139	0	398.1	104.0	4.4	629	0.0
	MP	9550	0	219.8	119.8	0.0	811	0.0
	Maharashtra	21542	0	472.7	127.6	0.4	354	0.0
	Goa	541	0	11.9	11.0	0.4	102	0.0
	DD	338	0	7.6	7.3	0.4	43	0.0
	DNH	738	0	17.4	17.8	-0.4	25	0.0
	Essar steel	294	0	5.4	5.7	-0.3	268	0.0
	SR	Andhra Pradesh	9079	600	187.2	48.0	1.6	597
Telangana		7179	0	144.0	59.4	0.2	748	0.0
Karnataka		9180	500	180.8	55.8	1.0	854	1.5
Kerala		3710	0	78.7	56.7	1.3	205	0.0
Tamil Nadu		15215	0	337.3	144.6	1.3	892	0.0
Pondy		430	0	9.2	9.1	0.1	46	0.0
ER	Bihar	5356	0	107.1	103.9	0.4	50	0.0
	DVC	2990	0	64.1	-45.9	-0.2	200	0.0
	Jharkhand	1230	0	26.8	23.4	-0.7	150	0.0
	Odisha	4168	0	88.0	24.7	-0.2	200	0.0
	West Bengal	8355	0	166.4	50.5	-1.0	400	0.0
	Sikkim	93	0	1.2	1.3	-0.2	20	0.0
NER	Arunachal Pradesh	112	1	2.0	2.3	-0.2	22	0.0
	Assam	1668	58	31.1	25.7	0.2	116	1.3
	Manipur	172	2	2.3	2.3	0.0	19	0.0
	Meghalaya	331	0	5.9	2.3	-0.2	58	0.0
	Mizoram	98	1	1.7	1.4	0.2	20	0.0
	Nagaland	126	1	2.1	2.1	-0.1	34	0.0
	Tripura	260	2	4.9	3.9	-0.2	87	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	13.0	-7.6	-21.7
Day peak (MW)	744.3	419.7	804.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	238.8	-244.1	62.6	-58.3	0.8	-0.3
Actual(MU)	240.5	-236.0	62.6	-63.9	-0.8	2.4
O/D/U/D(MU)	1.6	8.2	0.0	-5.6	-1.6	2.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3465	13819	7682	2225	306	27497
State Sector	6300	11084	6420	2280	50	26134
Total	9765	24903	14102	4505	356	53630

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	650	1259	527	465	9	2910
Lignite	21	18	38	0	0	77
Hydro	331	14	60	94	18	516
Nuclear	27	28	52	0	0	107
Gas, Naptha & Diesel	41	57	15	0	29	142
RES (Wind, Solar, Biomass & Others)	52	99	191	3	0	344
Total	1122	1474	883	562	55	4096
Share of RES in total generation (%)	4.61	6.69	21.60	0.48	0.05	8.39
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.53	9.51	34.31	17.15	32.13	23.61

H. Diversity Factor

All India Demand Diversity Factor	1.033
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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 : **9-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	230	313	0.0	2.0	-2.0
2		SASARAM-FATEHPUR	S/C	204	75	0.5	0.0	0.5
3		GAYA-BALIA	S/C	0	516	0.0	8.1	-8.1
4	HVDC	ALIPURDUAR-AGRA	-	0	501	0.0	12.4	-12.4
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	133	0.0	2.1	-2.1
7		PUSAULI-ALLAHABAD	S/C	71	0	1.0	0.0	1.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	597	0.0	6.8	-6.8
9		PATNA-BALIA	Q/C	0	1142	0.0	20.2	-20.2
10		BIHARSHARIFF-BALIA	D/C	0	510	0.0	10.0	-10.0
11		MOTIHARI-GORAKHPUR	D/C	0	375	0.0	7.1	-7.1
12		BIHARSHARIFF-VARANASI	D/C	175	133	0.0	0.6	-0.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	175	0.0	3.6	-3.6
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
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>2.1</b>	<b>74.2</b>	<b>-72.2</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1677	0	21.3	0.0	21.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	1288	0	18.3	0.0	18.3
20		JHARSUGUDA-DURG	D/C	185	47	1.7	0.0	1.7
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	446	0	5.6	0.0	5.6
22		RANCHI-SIPAT	D/C	419	0	5.9	0.0	5.9
23	220 kV	BUDHIPADAR-RAIGARH	S/C	16	67	0.0	0.6	-0.6
24		BUDHIPADAR-KORBA	D/C	164	0	2.4	0.0	2.4
<b>ER-WR</b>						<b>55.1</b>	<b>0.6</b>	<b>54.5</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2068.0	0.0	32.1	-32.1
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	659.0	0.0	11.9	-11.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1979.0	0.0	33.8	-33.8
28	400 kV	TALCHER-I/C	D/C	1112.0	154.0	10.7	0.0	10.7
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>77.8</b>	<b>-77.8</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	491	0.0	8.4	-8
31		ALIPURDUAR-BONGAIGAON	D/C	65	257	0.0	3.0	-3
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	89	0.0	1.5	-1
<b>ER-NER</b>						<b>0.0</b>	<b>12.9</b>	<b>-12.9</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	603	0.0	14.4	-14.4
<b>NER-NR</b>						<b>0.0</b>	<b>14.4</b>	<b>-14.4</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1001	0.0	20.8	-20.8
35		V'CHAL B/B	D/C	451	0	12.2	0.0	12.2
36		APL -MHG	D/C	0	1452	0.0	36.3	-36.3
37	765 kV	GWALIOR-AGRA	D/C	0	2626	0.0	47.0	-47.0
38		PHAGI-GWALIOR	D/C	0	1238	0.0	20.4	-20.4
39		JABALPUR-ORAI	D/C	0	983	0.0	33.7	-33.7
40		GWALIOR-ORAI	S/C	454	0	9.7	0.0	9.7
41		SATNA-ORAI	S/C	0	1484	0.0	30.5	-30.5
42		CHITTORGARH-BANASKANTHA	D/C	60	458	0.0	2.8	2.8
43		ZERDA-KANKROLI	S/C	92	57	0.7	0.2	0.6
44	400 kV	ZERDA -BHINMAL	S/C	55	172	0.0	1.3	-1.3
45		V'CHAL -RIHAND	S/C	969	0	22.8	0.0	22.8
46	220 kV	RAPP-SHUJALPUR	D/C	42	389	0	2	-2
47		BHANPURA-RANPUR	S/C	12	78	0.0	0.7	-0.7
48		BHANPURA-MORAK	S/C	0	112	0.0	1.4	-1.4
49		MEHGAON-AURAIYA	S/C	47	8	0.4	0.0	0.4
50	132kV	MALANPUR-AURAIYA	S/C	10	43	0.0	0.4	-0.4
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>45.9</b>	<b>197.4</b>	<b>-145.8</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	471	0.0	4.7	-4.7
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	556	1328	0.0	7.4	-7.4
55		WARDHA-NIZAMABAD	D/C	0	2249	0.0	27.8	-27.8
56	400 kV	KOLHAPUR-KUDGI	D/C	861	851	8.9	0.0	8.9
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	56	1.2	0.0	1.2
<b>WR-SR</b>						<b>10.1</b>	<b>39.9</b>	<b>-29.8</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>13.0</b>
61		NEPAL						<b>-7.6</b>
62		BANGLADESH						<b>-21.7</b>