



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: 20<sup>th</sup> June 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- 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
- 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 19.06.2019.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-जून-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 19<sup>th</sup> June 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

20-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)	54553	47894	43838	19983	2836	169104
Peak Shortage (MW)	1033	0	0	0	134	1167
Energy Met (MU)	1253	1114	1033	486	54	3940
Hydro Gen (MU)	321	19	39	87	20	485
Wind Gen (MU)	13	107	204	-----	-----	325
Solar Gen (MU)*	27.30	19.2	86.96	2.08	0.03	136
Energy Shortage (MU)	10.9	0.0	0.0	0.0	2.6	13.5
Maximum Demand Met during the day (MW) & time (from RLDC SCADA)	58235 22:45	50044 15:21	44882 15:27	22101 00:01	2905 20:09	175401 22:52

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	0.034	0.00	0.03	8.34	8.38	80.72	10.90

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	11281	0	246.5	129.7	-1.7	107	0.0	
	Haryana	8296	0	172.2	127.2	1.1	259	0.0	
	Rajasthan	9872	0	208.5	52.3	-1.7	770	0.0	
	Delhi	5172	0	106.4	86.7	1.0	266	0.0	
	UP	19031	170	394.1	179.6	0.4	754	0.0	
	Uttarakhand	2006	0	44.2	18.5	1.0	183	0.0	
	HP	1452	0	29.6	5.0	1.8	174	0.0	
	J&K	2155	539	45.9	20.7	0.7	350	10.9	
	Chandigarh	303	0	5.7	6.3	-0.6	31	0.0	
	WR	Chhattisgarh	3804	0	89.6	30.7	-1.9	286	0.0
Gujarat		14894	0	319.2	79.1	8.1	647	0.0	
MP		8399	0	187.8	98.6	0.0	449	0.0	
Maharashtra		20898	0	473.8	117.6	3.9	1316	0.0	
Goa		541	0	11.5	12.8	-1.9	140	0.0	
DD		340	0	7.6	7.2	0.4	38	0.0	
DNH		767	0	17.9	18.1	-0.2	51	0.0	
Essar steel		316	0	6.4	6.2	0.1	290	0.0	
SR		Andhra Pradesh	10170	0	204.0	31.0	-0.1	498	0.0
		Telangana	7989	0	172.7	51.2	0.3	354	0.0
	Karnataka	11129	0	218.4	60.5	0.7	496	0.0	
	Kerala	3767	0	73.3	59.1	1.8	441	0.0	
	Tamil Nadu	15848	0	355.5	141.8	-2.2	493	0.0	
	Pondy	439	0	9.0	9.2	-0.2	54	0.0	
	ER	Bihar	5396	0	106.7	104.8	-2.1	500	0.0
DVC		3034	0	66.8	-42.8	-1.4	150	0.0	
Jharkhand		1117	0	26.6	21.1	0.1	150	0.0	
Odisha		4301	0	92.9	26.3	5.5	800	0.0	
West Bengal		9146	0	192.0	70.6	1.0	350	0.0	
Sikkim		95	0	1.3	1.3	-0.1	10	0.0	
NER	Arunachal Pradesh	126	3	2.3	2.3	0.0	23	0.0	
	Assam	1819	55	33.9	28.4	1.7	226	2.5	
	Manipur	146	2	2.5	2.3	0.2	30	0.0	
	Meghalaya	348	4	6.0	2.3	0.0	123	0.0	
	Mizoram	91	3	1.7	1.6	-0.1	13	0.0	
	Nagaland	113	1	2.2	2.3	-0.1	15	0.0	
	Tripura	311	9	5.8	4.4	0.7	119	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.4	-10.5	-26.4
Day peak (MW)	820.5	-580.9	-1109.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	240.6	-257.0	61.1	-40.2	-4.0	0.6
Actual(MU)	242.9	-257.4	56.7	-36.4	-0.2	5.8
O/D/U/D(MU)	2.4	-0.4	-4.4	3.8	3.8	5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5738	16280	8352	1250	90	31710
State Sector	6010	16122	6010	3100	50	31292
Total	11748	32402	14362	4350	139	63001

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	575	1146	507	458	13	2698
Lignite	16	15	37	0	0	68
Hydro	321	19	39	87	20	485
Nuclear	28	29	54	0	0	111
Gas, Naptha & Diesel	40	43	16	0	28	127
RES (Wind, Solar, Biomass & Others)	54	133	331	2	0	519
Total	1033	1384	984	547	61	4009

Share of RES in total generation (%)	5.19	9.59	33.62	0.39	0.05	12.95
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.92	13.04	43.08	16.31	33.44	27.83

H. Diversity Factor

All India Demand Diversity Factor	1.016
-----------------------------------	-------

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 : 20-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	492	0.0	6.2	-6.2	
2		SASARAM-FATEHPUR	S/C	269	0	4.0	0.0	4.0	
3		GAYA-BALIA	S/C	0	473	0.0	9.1	-9.1	
4		ALIPURDUAR-AGRA	-	0	602	0.0	13.6	-13.6	
5		PUSAULI B/B	S/C	0	399	0.0	9.7	-9.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	304	0.0	6.7	-6.7	
7		PUSAULI -ALLAHABAD	S/C	0	157	0.0	2.8	-2.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	792	0.0	10.8	-10.8	
9		PATNA-BALIA	Q/C	0	1055	0.0	18.1	-18.1	
10		BIHARSHARIFF-BALIA	D/C	0	281	0.0	4.8	-4.8	
11		MOTIHARI-GORAKHPUR	D/C	172	0	6.0	0.0	6.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	175	66	1.8	0.0	1.8	
13		PUSAULI-SAHUPURI	S/C	0	179	0.0	3.5	-3.5	
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	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>12.3</b>	<b>85.1</b>	<b>-72.8</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1570	0	31.7	0.0	31.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1104	0	19.2	0.0	19.2	
20		JHARSUGUDA-DURG	D/C	449	0	5.6	0.0	5.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	480	0	9.1	0.0	9.1	
22		RANCHI-SIPAT	D/C	407	0	7.9	0.0	7.9	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	35	60	0.0	0.5	-0.5	
24		BUDHIPADAR-KORBA	D/C	220	0	3.9	0.0	3.9	
<b>ER-WR</b>						<b>77.4</b>	<b>0.5</b>	<b>76.9</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1508.0	0.0	23.1	-23.1	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	501.0	0.0	11.0	-11.0	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1970.0	0.0	39.0	-39.0	
28	400 kV	TALCHER-I/C	D/C	201.0	650.0	0.0	6.5	-6.5	
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>73.1</b>	<b>-73.1</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	586	0.0	7.7	-8	
31		ALIPURDUAR-BONGAIGAON	D/C	185	154	0.0	0.1	0	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	13	65	0.0	0.6	-1	
<b>ER-NER</b>						<b>0.0</b>	<b>8.4</b>	<b>-8.4</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	402	0.0	9.7	-9.7	
<b>NER-NR</b>						<b>0.0</b>	<b>9.7</b>	<b>-9.7</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2006	0.0	41.1	-41.1	
35		V'CHAL B/B	D/C	452	0	11.3	0.0	11.3	
36		APL -MHG	D/C	0	1451	0.0	32.5	-32.5	
37	765 kV	GWALIOR-AGRA	D/C	0	2415	0.0	49.0	-49.0	
38		PHAGI-GWALIOR	D/C	0	1327	0.0	24.8	-24.8	
39		JABALPUR-ORAI	D/C	0	836	0.0	28.0	-28.0	
40		GWALIOR-ORAI	S/C	434	0	7.2	0.0	7.2	
41		SATNA-ORAI	S/C	0	1498	0.0	32.1	-32.1	
42		CHITTORGARH-BANASKANTHA	D/C	289	351	0.6	0.0	0.6	
43	400 kV	ZERDA-KANKROLI	S/C	158	35	1.4	0.1	1.4	
44		ZERDA -BHINMAL	S/C	276	108	1.2	0.5	0.7	
45		V'CHAL -RIHAND	S/C	975	0	22.7	0.0	22.7	
46		RAPP-SHUJALPUR	D/C	0	300	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	58	44	0.4	0.2	0.2	
48		BHANPURA-MORAK	S/C	0	93	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	34	28	0.2	0.1	0.0	
50		MALANPUR-AURAIYA	S/C	7	40	0.0	0.5	-0.5	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>44.9</b>	<b>212.1</b>	<b>-167.2</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	502	0.0	10.4	-10.4	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	973	900	0.0	0.0	0.0	
55		WARDHA-NIZAMABAD	D/C	308	1448	0.0	15.5	-15.5	
56	400 kV	KOLHAPUR-KUDGI	D/C	861	111	9.5	0.0	9.5	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	99	0.0	1.8	-1.8	
59		XELDEM-AMBEWADI	S/C	0	55	1.0	0.0	1.0	
<b>WR-SR</b>						<b>10.5</b>	<b>27.7</b>	<b>-17.2</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>12.4</b>	
61		NEPAL						<b>-10.5</b>	
62		BANGLADESH						<b>-26.4</b>	