



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: 22<sup>nd</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 21.06.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-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 21st June 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

22-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)	59075	49106	41476	18614	2739	171010
Peak Shortage (MW)	2100	0	0	0	118	2218
Energy Met (MU)	1334	1160	993	454	53	3994
Hydro Gen (MU)	327	17	47	78	17	486
Wind Gen (MU)	12	67	159	-----	-----	238
Solar Gen (MU)*	27.09	21.30	65.59	2.08	0.03	116
Energy Shortage (MU)	11.3	0.0	0.0	0.0	0.8	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61444 22:47	51368 14:42	43100 11:19	21335 00:02	2738 18:44	175950 22:16

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	0.029	0.00	0.00	5.19	5.19	82.55	12.27

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	11451	0	242.1	124.8	-0.9	114	0.0
	Haryana	8648	160	189.3	128.4	1.0	229	0.6
	Rajasthan	10708	0	228.2	65.0	0.1	729	0.0
	Delhi	5889	0	122.7	101.9	1.2	237	0.0
	UP	19175	720	425.1	195.6	2.2	606	0.0
	Uttarakhand	2063	0	45.8	17.5	1.6	161	0.0
	HP	1413	0	30.1	4.3	0.6	137	0.0
	J&K	2098	1049	45.4	20.1	0.4	241	10.7
WR	Chandigarh	277	0	5.5	6.3	-0.8	30	0.0
	Chhattisgarh	3704	0	85.9	27.3	-1.5	265	0.0
	Gujarat	15937	0	352.0	89.8	8.1	644	0.0
	MP	8913	0	203.1	118.6	0.0	335	0.0
	Maharashtra	20951	0	474.3	130.0	0.8	698	0.0
	Goa	541	0	13.1	12.6	-0.1	74	0.0
	DD	340	0	7.7	7.3	0.3	112	0.0
	DNH	777	0	18.2	18.5	-0.3	116	0.0
SR	Essar steel	308	0	5.5	5.7	-0.2	288	0.0
	Andhra Pradesh	9169	0	187.1	35.3	0.4	881	0.0
	Telangana	7262	0	156.8	42.5	-0.5	534	0.0
	Karnataka	11490	0	218.9	77.0	0.8	816	0.0
	Kerala	3434	0	71.0	56.0	1.6	345	0.0
	Tamil Nadu	15156	0	349.6	137.0	-0.5	651	0.0
	Pondy	462	0	9.3	9.4	-0.1	48	0.0
	ER	Bihar	5371	0	109.2	102.9	2.1	200
DVC		3371	0	63.2	-45.4	-0.3	410	0.0
Jharkhand		999	0	22.8	18.8	-1.1	50	0.0
Odisha		3792	0	82.2	33.3	-1.0	250	0.0
West Bengal		8716	0	175.3	54.1	0.1	150	0.0
NER	Sikkim	92	0	1.3	1.3	0.0	20	0.0
	Arunachal Pradesh	128	1	2.3	2.4	-0.1	40	0.0
	Assam	1742	110	33.2	27.8	0.9	128	0.8
	Manipur	158	3	2.6	2.3	0.3	25	0.0
	Meghalaya	331	0	6.0	1.8	-0.1	53	0.0
	Mizoram	81	1	1.7	1.4	0.3	8	0.0
	Nagaland	125	2	2.2	2.2	-0.2	39	0.0
	Tripura	277	0	5.4	4.5	-0.1	38	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.4	-10.9	-26.0
Day peak (MW)	729.3	-568.0	-1129.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	260.7	-249.0	16.0	-26.4	-0.8	0.5
Actual(MU)	267.5	-244.1	26.0	-44.4	-3.5	1.5
O/D/U/D(MU)	6.9	4.9	10.0	-18.0	-2.7	1.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5588	14609	6892	2625	190	29904
State Sector	5675	12791	6073	3100	50	27689
Total	11263	27400	12965	5725	239	57592

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	605	1211	554	434	16	2820
Lignite	21	16	47	0	0	84
Hydro	327	17	47	78	17	486
Nuclear	27	30	55	0	0	112
Gas, Naptha & Diesel	52	46	14	0	29	141
RES (Wind, Solar, Biomass & Others)	53	94	266	2	0	415
Total	1085	1414	983	515	63	4059

Share of RES in total generation (%)	4.85	6.68	27.09	0.41	0.05	10.23
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.53	10.00	37.40	15.65	27.27	24.98

H. Diversity Factor

All India Demand Diversity Factor	1.023
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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 : 22-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	829	0.0	10.8	-10.8
2		SASARAM-FATEHPUR	S/C	150	281	0.6	0.0	0.6
3		GAYA-BALIA	S/C	0	582	0.0	11.3	-11.3
4		ALIPURDUAR-AGRA	-	0	401	0.0	9.6	-9.6
5		PUSAULI B/B	S/C	2	398	0.0	9.3	-9.3
6	400 kV	PUSAULI-VARANASI	S/C	0	294	0.0	6.1	-6.1
7		PUSAULI -ALLAHABAD	S/C	34	167	0.0	3.0	-3.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1041	0.0	15.0	-15.0
9		PATNA-BALIA	Q/C	0	1014	0.0	19.5	-19.5
10		BIHARSHARIFF-BALIA	D/C	0	343	0.0	7.1	-7.1
11	220 kV	MOTIHARI-GORAKHPUR	D/C	280	0	4.7	0.0	4.7
12		BIHARSHARIFF-VARANASI	D/C	99	234	0.0	0.5	-0.5
13	132 kV	PUSAULI-SAHUPURI	S/C	0	201	0.0	3.4	-3.4
14		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>5.7</b>	<b>95.6</b>	<b>-89.9</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1309	0	23.1	0.0	23.1
19		NEW RANCHI-DHARAMAJGARH	D/C	1214	0	17.3	0.0	17.3
20		JHARSUGUDA-DURG	D/C	436	0	6.3	0.0	6.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	593	0	11.0	0.0	11.0
22		RANCHI-SIPAT	D/C	431	0	6.6	0.0	6.6
23	220 kV	BUDHIPADAR-RAIGARH	S/C	12	67	0.0	0.6	-0.6
24		BUDHIPADAR-KORBA	D/C	190	0	3.3	0.0	3.3
<b>ER-WR</b>						<b>67.8</b>	<b>0.6</b>	<b>67.1</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	296.0	1070.0	0.0	9.8	-9.8
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	456.0	0.0	9.7	-9.7
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1582.0	0.0	29.7	-29.7
28	400 kV	TALCHER-I/C	D/C	172.0	814.0	0.0	3.5	-3.5
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>49.2</b>	<b>-49.2</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	423	0.0	5.6	-6
31		ALIPURDUAR-BONGAIGAON	D/C	141	222	0.0	0.8	-1
32	220 kV	ALIPURDUAR-SALAKATI	D/C	4	70	0.0	0.6	-1
<b>ER-NER</b>						<b>0.0</b>	<b>7.0</b>	<b>-7.0</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	11.5	-11.5
<b>NER-NR</b>						<b>0.0</b>	<b>11.5</b>	<b>-11.5</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2005	0.0	47.7	-47.7
35		V'CHAL B/B	D/C	452	0	12.2	0.0	12.2
36		APL -MHG	D/C	0	1453	0.0	36.3	-36.3
37	765 kV	GWALIOR-AGRA	D/C	0	2623	0.0	51.1	-51.1
38		PHAGI-GWALIOR	D/C	0	1303	0.0	23.0	-23.0
39		JABALPUR-ORAI	D/C	0	1117	0.0	41.7	-41.7
40		GWALIOR-ORAI	S/C	505	11	7.7	0.0	7.7
41		SATNA-ORAI	S/C	0	1407	0.0	23.1	-23.1
42	400 kV	CHITTORGARH-BANASKANTHA	D/C	332	200	1.5	0.0	1.5
43		ZERDA-KANKROLI	S/C	144	13	1.8	0.0	1.8
44		ZERDA -BHINMAL	S/C	259	20	2.6	0.0	2.6
45	220 kV	V'CHAL -RIHAND	S/C	968	0	22.4	0.0	22.4
46		RAPP-SHUJALPUR	D/C	0	320	0	3	-3
47	132kV	BHANPURA-RANPUR	S/C	38	38	0.1	0.3	-0.2
48		BHANPURA-MORAK	S/C	0	71	0.0	1.1	-1.1
49		MEHGAON-AURAIYA	S/C	41	0	0.4	0.0	0.4
50		MALANPUR-AURAIYA	S/C	46	18	0.2	0.0	0.2
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>49.0</b>	<b>227.0</b>	<b>-178.0</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	995	0.0	15.9	-15.9
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	1388	746	7.9	0.0	7.9
55		WARDHA-NIZAMABAD	D/C	958	1289	0.0	4.8	-4.8
56	400 kV	KOLHAPUR-KUDGI	D/C	1093	0	15.4	0.0	15.4
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	0	75	0.0	1.4	-1.4
59		XELDEM-AMBEWADI	S/C	0	42	0.8	0.0	0.8
<b>WR-SR</b>						<b>24.0</b>	<b>22.1</b>	<b>1.9</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>10.4</b>
61		NEPAL						<b>-10.9</b>
62		BANGLADESH						<b>-26.0</b>