



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: 13<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 12.06.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12<sup>th</sup> June 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

13-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)	45592	46860	42001	18285	2733	155471
Peak Shortage (MW)	585	0	0	0	165	750
Energy Met (MU)	1280	1186	957	465	56	3944
Hydro Gen (MU)	336	11	34	85	18	484
Wind Gen (MU)	19	65	166	-----	-----	250
Solar Gen (MU)*	28.10	20.8	77.66	2.25	-----	129
Energy Shortage (MU)	9.7	0.0	0.0	0.0	0.6	10.3
Maximum Demand Met during the day (MW) & time (from RLDC SCADA)	61014 00:04	54004 14:05	42376 21:05	22407 00:00	2731 19:31	177626 00:02

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	0.059	0.00	1.02	5.34	6.35	60.97	32.67

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	9234	0	185.6	108.7	-4.8	70	0.0
	Haryana	8685	0	176.2	119.9	-6.7	443	0.0
	Rajasthan	12251	0	265.9	84.1	3.5	561	0.0
	Delhi	6795	0	135.2	113.7	0.5	290	0.2
	UP	20771	170	403.0	180.5	2.5	828	0.0
	Uttarakhand	2022	0	38.4	13.1	-2.6	181	0.0
	HP	1451	0	29.2	2.0	-0.2	231	0.0
	J&K	2303	576	41.0	20.3	-3.0	487	9.5
WR	Chandigarh	322	0	6.0	7.5	-1.6	63	0.0
	Chhattisgarh	3936	0	92.2	35.9	-1.9	349	0.0
	Gujarat	17553	0	368.3	115.6	8.8	1041	0.0
	MP	9704	0	221.2	139.5	-0.1	618	0.0
	Maharashtra	20443	0	463.4	116.8	-3.8	767	0.0
	Goa	541	0	11.9	10.0	1.3	87	0.0
	DD	330	0	7.1	6.7	0.3	49	0.0
	DNH	709	0	16.5	16.7	-0.2	41	0.0
SR	Essar steel	310	0	5.3	5.3	0.0	311	0.0
	Andhra Pradesh	9278	0	197.3	41.9	0.1	498	0.0
	Telangana	7675	0	169.2	53.8	-0.5	347	0.0
	Karnataka	8648	0	179.2	61.2	-2.9	492	0.0
	Kerala	3223	0	64.6	54.0	1.3	236	0.0
	Tamil Nadu	15707	0	337.6	123.1	-0.8	490	0.0
	Pondy	448	0	9.2	9.3	-0.1	43	0.0
	Bihar	4823	0	87.6	87.5	-4.3	400	0.0
ER	DVC	2975	0	64.8	-44.0	1.5	300	0.0
	Jharkhand	1000	0	24.6	21.7	-2.6	50	0.0
	Odisha	5262	0	102.9	48.2	4.8	450	0.0
	West Bengal	8838	0	184.3	61.6	1.4	460	0.0
	Sikkim	98	0	1.4	1.5	-0.1	10	0.0
NER	Arunachal Pradesh	128	4	2.2	2.5	-0.3	67	0.0
	Assam	1750	38	35.1	28.8	1.3	156	0.5
	Manipur	180	5	2.5	2.4	0.1	35	0.0
	Meghalaya	345	3	5.9	1.0	0.0	41	0.0
	Mizoram	85	4	1.6	1.6	0.0	7	0.0
	Nagaland	130	6	2.2	2.3	-0.3	34	0.0
	Tripura	306	8	6.2	4.9	1.1	103	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.0	-8.9	-20.7
Day peak (MW)	618.6	-524.2	-1146.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	213.0	-220.2	41.4	-34.3	0.0	0.0
Actual(MU)	221.3	-236.8	47.4	-31.3	2.6	3.3
O/D/U/D(MU)	8.3	-16.6	6.0	3.0	2.6	3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2993	12140	7172	2150	55	24509
State Sector	5735	14692	6500	3370	50	30347
Total	8728	26832	13672	5520	104	54856

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	599	1195	504	440	13	2751
Lignite	20	15	35	0	0	70
Hydro	336	11	34	85	18	484
Nuclear	27	31	51	0	0	109
Gas, Naptha & Diesel	48	59	15	0	28	150
RES (Wind, Solar, Biomass & Others)	63	90	272	2	0	427
Total	1093	1400	910	528	59	3990

Share of RES in total generation (%)	5.75	6.41	29.91	0.44	0.07	10.70
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.93	9.39	39.27	16.58	30.86	25.56

H. Diversity Factor

All India Demand Diversity Factor	1.028
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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 : 13-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	192	665	0.0	4.7	-4.7	
2		SASARAM-FATEHPUR	S/C	285	182	4.3	0.0	4.3	
3		GAYA-BALIA	S/C	0	536	0.0	8.2	-8.2	
4		ALIPURDUAR-AGRA	-	0	503	0.0	12.1	-12.1	
5		PUSAULI B/B	S/C	0	399	0.0	9.4	-9.4	
6	400 kV	PUSAULI-VARANASI	S/C	0	307	0.0	6.4	-6.4	
7		PUSAULI -ALLAHABAD	S/C	0	181	0.0	2.7	-2.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	770	0.0	8.4	-8.4	
9		PATNA-BALIA	Q/C	0	862	0.0	15.4	-15.4	
10		BIHARSHARIFF-BALIA	D/C	1	419	0.0	5.3	-5.3	
11		MOTIHARI-GORAKHPUR	D/C	0	366	0.0	5.4	-5.4	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	182	215	0.9	0.0	0.9	
13		PUSAULI-SAHUPURI	S/C	16	206	0.0	3.9	-3.9	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
16			KARMANASA-SAHUPURI	S/C	4	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>82.0</b>	<b>-76.3</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2594	0	41.4	0.0	41.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1008	0	15.5	0.0	15.5	
20		JHARSUGUDA-DURG	D/C	321	0	5.2	0.0	5.2	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	615	0	9.7	0.0	9.7	
22		RANCHI-SIPAT	D/C	368	0	6.2	0.0	6.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	196	31	2.2	0.0	2.2	
24		BUDHIPADAR-KORBA	D/C	254	4	0.6	0.0	0.6	
<b>ER-WR</b>						<b>80.7</b>	<b>0.0</b>	<b>80.7</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2012.0	0.0	21.6	-21.6	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	599.0	0.0	11.4	-11.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1982.0	0.0	38.0	-38.0	
28	400 kV	TALCHER-I/C	D/C	968.0	659.0	2.2	0.0	2.2	
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>70.9</b>	<b>-70.9</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	622	0.0	9.7	-10	
31		ALIPURDUAR-BONGAIGAON	D/C	85	277	0.0	2.1	-2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	86	0.0	1.4	-1	
<b>ER-NER</b>						<b>0.0</b>	<b>13.2</b>	<b>-13.2</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	12.1	-12.1	
<b>NER-NR</b>						<b>0.0</b>	<b>12.1</b>	<b>-12.1</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1506	0.0	22.7	-22.7	
35		V'CHAL B/B	D/C	453	0	12.3	0.0	12.3	
36		APL -MHG	D/C	0	1639	0.0	39.0	-39.0	
37	765 kV	GWALIOR-AGRA	D/C	0	2281	0.0	37.1	-37.1	
38		PHAGI-GWALIOR	D/C	0	1337	0.0	19.2	-19.2	
39		JABALPUR-ORAI	D/C	0	908	0.0	29.6	-29.6	
40		GWALIOR-ORAI	S/C	548	0	9.2	0.0	9.2	
41		SATNA-ORAI	S/C	0	1446	0.0	27.2	-27.2	
42		CHITTORGARH-BANASKANTHA	D/C	187	487	0.0	3.4	3.4	
43	400 kV	ZERDA-KANKROLI	S/C	131	52	1.3	0.1	1.2	
44		ZERDA -BHINMAL	S/C	276	114	1.5	0.0	1.5	
45		V'CHAL -RIHAND	S/C	967	0	21.1	0.0	21.1	
46		RAPP-SHUJALPUR	D/C	171	283	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	34	45	0.1	0.2	-0.1	
48		BHANPURA-MORAK	S/C	25	68	0.0	0.8	-0.7	
49		MEHGAON-AURAIYA	S/C	66	0	0.7	0.0	0.7	
50		MALANPUR-AURAIYA	S/C	35	21	0.1	0.2	0.0	
51		132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>46.5</b>	<b>180.2</b>	<b>-127.0</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	529	0.0	9.3	-9.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1489	1643	3.9	0.0	3.9	
55		WARDHA-NIZAMABAD	D/C	552	2582	0.0	20.0	-20.0	
56	400 kV	KOLHAPUR-KUDGI	D/C	1277	1251	16.5	0.0	16.5	
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	1	45	0.7	0.0	0.7	
<b>WR-SR</b>						<b>21.1</b>	<b>29.3</b>	<b>-8.2</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>10.0</b>	
61		NEPAL						<b>-8.9</b>	
62		BANGLADESH						<b>-20.7</b>	