



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: 19<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 18.06.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-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 18<sup>th</sup> June 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

19-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)	54143	47446	44039	20715	2796	169139
Peak Shortage (MW)	487	0	0	0	126	613
Energy Met (MU)	1176	1126	1025	462	53	3842
Hydro Gen (MU)	336	15	54	63	23	492
Wind Gen (MU)	28	129	175	-----	-----	332
Solar Gen (MU)*	25.07	19.05	87.09	2.13	0.02	133
Energy Shortage (MU)	10.1	0.0	0.0	0.0	1.5	11.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57038 22:28	50800 14:36	44640 22:10	22509 22:59	2696 20:01	175446 22:38

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	0.071	0.00	2.38	18.04	20.43	65.86	13.72

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	10814	0	206.1	120.5	-10.1	67	0.0	
	Haryana	7481	0	140.6	118.3	-10.7	221	0.0	
	Rajasthan	10318	0	223.7	61.3	-1.9	608	0.0	
	Delhi	4989	0	99.3	83.7	-1.8	113	0.0	
	UP	19506	190	384.1	177.7	0.5	671	0.0	
	Uttarakhand	1967	0	42.6	16.3	1.2	180	0.0	
	HP	1385	0	29.4	2.7	1.7	172	0.0	
	J&K	2202	551	44.9	19.5	0.9	357	10.1	
	Chandigarh	267	0	5.5	6.9	-1.4	-31	0.0	
	WR	Chhattisgarh	3866	0	87.9	31.6	0.6	267	0.0
Gujarat		14207	0	316.1	81.1	3.5	763	0.0	
MP		8901	0	202.7	109.6	0.0	771	0.0	
Maharashtra		21273	0	476.8	118.3	1.6	869	0.0	
Goa		541	0	11.5	12.7	-1.8	140	0.0	
DD		350	0	7.6	7.0	0.6	108	0.0	
DNH		755	0	17.8	17.7	0.1	99	0.0	
Essar steel		313	0	5.6	5.7	0.0	306	0.0	
SR		Andhra Pradesh	9729	0	197.0	31.6	-0.4	695	0.0
		Telangana	7849	0	171.0	49.6	0.8	806	0.0
	Karnataka	11183	0	217.5	60.8	0.9	940	0.0	
	Kerala	3724	0	75.8	59.7	1.5	292	0.0	
	Tamil Nadu	15986	0	354.1	146.5	-0.6	794	0.0	
	Pondy	443	0	9.2	9.2	0.0	53	0.0	
	ER	Bihar	5424	0	106.4	102.7	0.9	300	0.0
		DVC	3103	0	68.1	-40.4	0.5	350	0.0
		Jharkhand	1153	0	27.3	21.5	0.3	150	0.0
		Odisha	3956	0	82.8	27.0	2.7	500	0.0
West Bengal		9199	0	176.5	67.1	1.0	250	0.0	
Sikkim	97	0	1.2	0.2	1.0	60	0.0		
NER	Arunachal Pradesh	136	0	2.4	3.4	-1.0	36	0.0	
	Assam	1764	82	32.7	27.6	0.8	288	1.2	
	Manipur	146	2	2.3	2.3	0.0	31	0.0	
	Meghalaya	326	0	5.7	2.9	0.0	151	0.0	
	Mizoram	85	1	1.5	1.5	0.0	22	0.0	
	Nagaland	129	2	2.3	2.5	-0.3	38	0.0	
	Tripura	293	6	5.7	4.1	1.3	111	0.3	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	18.2	-10.1	-25.7
Day peak (MW)	1163.0	-487.2	-1100.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	223.6	-236.3	56.5	-40.2	-3.1	0.6
Actual(MU)	184.2	-240.4	75.0	-10.6	-1.9	6.3
O/D/U/D(MU)	-39.3	-4.1	18.4	29.6	1.2	5.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5738	16502	8152	1350	453	32195
State Sector	9150	16242	6010	2990	50	34442
Total	14888	32744	14162	4340	502	66636

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	533	1131	491	451	12	2618
Lignite	16	13	40	0	0	70
Hydro	336	15	54	63	23	492
Nuclear	28	28	52	0	0	107
Gas, Naptha & Diesel	39	40	15	0	25	119
RES (Wind, Solar, Biomass & Others)	67	157	304	2	0	529
Total	1019	1384	956	516	60	3935

Share of RES in total generation (%)	6.54	11.31	31.74	0.42	0.03	13.44
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.26	14.41	42.85	12.69	38.96	28.68

H. Diversity Factor

All India Demand Diversity Factor	1.013
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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 : **19-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	370	314	0.5	0.0	0.5
2		SASARAM-FATEHPUR	S/C	441	0	5.0	0.0	5.0
3		GAYA-BALIA	S/C	0	487	0.0	7.6	-7.6
4		ALIPURDUAR-AGRA	-	0	600	0.0	13.5	-13.5
5		PUSAULI B/B	S/C	0	399	0.0	9.8	-9.8
6	400 kV	PUSAULI-VARANASI	S/C	0	353	0.0	8.4	-8.4
7		PUSAULI -ALLAHABAD	S/C	0	132	0.0	2.1	-2.1
8		MUZAFFARPUR-GORAKHPUR	D/C	191	617	0.0	5.1	-5.1
9		PATNA-BALIA	Q/C	20	788	0.0	11.5	-11.5
10		BIHARSHARIFF-BALIA	D/C	7	258	0.0	3.8	-3.8
11		MOTIHARI-GORAKHPUR	D/C	172	0	5.7	0.0	5.7
12		BIHARSHARIFF-VARANASI	D/C	426	0	4.9	0.0	4.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	192	0.0	3.7	-3.7
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>16.5</b>	<b>65.4</b>	<b>-48.9</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1980	0	36.2	0.0	36.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	1274	0	21.6	0.0	21.6
20		JHARSUGUDA-DURG	D/C	323	0	5.3	0.0	5.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	523	0	8.9	0.0	8.9
22		RANCHI-SIPAT	D/C	451	0	7.5	0.0	7.5
23	220 kV	BUDHIPADAR-RAIGARH	S/C	22	64	0.0	0.4	-0.4
24		BUDHIPADAR-KORBA	D/C	188	0	3.4	0.0	3.4
<b>ER-WR</b>						<b>82.9</b>	<b>0.4</b>	<b>82.5</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1699.0	0.0	26.3	-26.3
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	561.0	484.0	0.0	11.0	-11.0
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1990.0	0.0	39.5	-39.5
28	400 kV	TALCHER-I/C	D/C	0.0	711.0	0.0	8.7	-8.7
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>76.7</b>	<b>-76.7</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	534	0.0	6.4	-6
31		ALIPURDUAR-BONGAIGAON	D/C	269	241	0.3	0.0	0
32	220 kV	ALIPURDUAR-SALAKATI	D/C	18	79	0.0	0.7	-1
<b>ER-NER</b>						<b>0.3</b>	<b>7.1</b>	<b>-6.8</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	402	0.0	9.8	-9.8
<b>NER-NR</b>						<b>0.0</b>	<b>9.8</b>	<b>-9.8</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1506	0.0	28.2	-28.2
35		V'CHAL B/B	D/C	451	0	12.2	0.0	12.2
36		APL -MHG	D/C	0	1266	0.0	26.5	-26.5
37	765 kV	GWALIOR-AGRA	D/C	0	2631	0.0	42.7	-42.7
38		PHAGI-GWALIOR	D/C	0	1160	0.0	17.5	-17.5
39		JABALPUR-ORAI	D/C	0	861	0.0	26.4	-26.4
40		GWALIOR-ORAI	S/C	601	0	9.8	0.0	9.8
41		SATNA-ORAI	S/C	0	1439	0.0	28.1	-28.1
42		CHITTORGARH-BANASKANTHA	D/C	331	727	1.6	5.3	3.7
43		ZERDA-KANKROLI	S/C	166	111	1.3	0.5	0.8
44	400 kV	ZERDA -BHINMAL	S/C	295	126	2.0	0.6	1.4
45		V'CHAL -RIHAND	S/C	973	0	22.5	0.0	22.5
46		RAPP-SHUJALPUR	D/C	239	308	0	1	-1
47	220 kV	BHANPURA-RANPUR	S/C	53	46	0.3	0.2	0.2
48		BHANPURA-MORAK	S/C	8	101	0.0	1.2	-1.2
49		MEHGAON-AURAIYA	S/C	75	9	0.5	0.0	0.5
50		MALANPUR-AURAIYA	S/C	53	32	0.2	0.2	0.0
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>50.4</b>	<b>178.2</b>	<b>-120.5</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	481	0.0	10.8	-10.8
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	836	1235	0.0	6.2	-6.2
55		WARDHA-NIZAMABAD	D/C	258	1857	0.0	22.6	-22.6
56	400 kV	KOLHAPUR-KUDGI	D/C	873	220	8.0	0.3	7.8
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	3	91	0.0	0.6	-0.6
59		XELDEM-AMBEWADI	S/C	1	50	0.4	0.0	0.3
<b>WR-SR</b>						<b>8.4</b>	<b>40.4</b>	<b>-32.0</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>18.2</b>
61		NEPAL						<b>-10.1</b>
62		BANGLADESH						<b>-25.7</b>