



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 2018

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033  
General Manager, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
General Manager, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. महाप्रबंधक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई -400093  
General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नॉग्रह , लापलंग, शिल्लोंग - 793006  
General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. अपर महाप्रबंधक , द.क्षे.भा.प्रे.के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
Additional General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 18.06.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-जून 2018 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 18<sup>th</sup> June 2018, 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

19-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	48379	46679	40152	21607	2549	159366
Peak Shortage (MW)	514	89	0	0	151	754
Energy Met (MU)	1150	1115	880	467	42	3654
Hydro Gen (MU)	267	14	61	95	29	465
Wind Gen (MU)	24	99	181	-----	-----	303
Solar Gen (MU)*	8.83	17.97	55.09	0.72	0.02	83
Energy Shortage (MU)	11.6	0.3	0.0	0.0	2.1	14.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	52289 23:59	49222 15:03	41008 19:30	22678 20:45	2483 19:46	162977 19:58

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	0.080	0.19	2.35	21.85	24.39	68.70	6.91

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	7055	0	153.7	105.7	-0.3	143	0.0	
	Haryana	7476	0	166.9	137.3	1.6	306	0.0	
	Rajasthan	10438	0	218.9	71.7	6.0	511	1.8	
	Delhi	5694	0	117.8	93.8	-1.9	189	0.1	
	UP	17637	70	381.7	166.0	-0.1	287	0.0	
	Uttarakhand	1962	0	40.6	14.8	2.1	381	0.1	
	HP	1303	0	25.9	4.2	4.0	438	0.3	
	J&K	1976	494	39.5	16.9	-2.2	331	9.4	
	Chandigarh	236	0	4.9	5.4	-0.5	19	0.0	
	WR	Chhattisgarh	3553	0	83.4	20.0	0.0	336	0.3
Gujarat		16668	0	361.1	118.6	8.5	817	0.0	
MP		8046	0	180.0	72.3	-2.3	466	0.0	
Maharashtra		20150	0	443.3	132.1	0.3	544	0.0	
Goa		437	0	9.5	8.8	0.0	36	0.0	
DD		336	0	7.3	6.4	0.9	106	0.0	
DNH		762	0	17.6	16.9	0.7	101	0.0	
Essar steel		760	0	12.9	11.4	1.5	192	0.0	
SR		Andhra Pradesh	7835	0	176.5	24.7	1.4	674	0.0
		Telangana	6961	0	148.6	60.2	0.5	603	0.0
	Karnataka	7942	0	164.6	49.2	-2.8	518	0.0	
	Kerala	3466	0	66.5	39.7	0.6	244	0.0	
	Tamil Nadu	14800	0	316.1	101.2	1.7	647	0.0	
	Pondy	382	0	7.9	8.0	-0.2	44	0.0	
ER	Bihar	5009	0	92.0	92.4	-2.7	220	0.0	
	DVC	3023	0	69.6	-22.3	1.4	225	0.0	
	Jharkhand	1126	0	25.4	19.8	-0.3	85	0.0	
	Odisha	4644	0	98.2	48.3	0.8	225	0.0	
	West Bengal	9143	0	180.3	69.9	1.4	225	0.0	
Sikkim	84	0	1.2	1.4	-0.1	12	0.0		
NER	Arunachal Pradesh	104	14	2.1	2.6	-0.4	0	0.0	
	Assam	1613	106	25.8	18.5	1.6	175	1.7	
	Manipur	167	2	2.1	1.8	0.3	11	0.1	
	Meghalaya	280	0	4.9	-0.5	-0.1	110	0.0	
	Mizoram	82	3	1.5	1.0	-0.1	1	0.0	
	Nagaland	126	3	2.1	1.9	0.0	36	0.0	
	Tripura	258	4	3.5	2.2	1.0	89	0.2	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	25.0	-6.0	-14.6
Day peak (MW)	1142.4	-253.0	-675.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	259.1	-218.9	5.1	-29.4	-9.1	6.8
Actual(MU)	253.7	-216.6	-5.1	-23.6	-9.9	-1.6
O/D/U/D(MU)	-5.4	2.3	-10.3	5.8	-0.8	-8.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3475	15175	9362	1350	443	29805
State Sector	7920	16258	7160	6615	50	38003
Total	11395	31433	16522	7965	492	67807

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	534	1150	506	421	9	2621
Hydro	267	14	63	95	29	466
Nuclear	31	30	46	0	0	107
Gas, Naptha & Diesel	34	54	14	0	17	118
RES (Wind, Solar, Biomass & Others)	48	117	270	1	0	436
Total	913	1364	899	517	55	3748

Share of RES in total generation (%)	5.26	8.55	30.03	0.19	0.06	11.63
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.85	11.73	42.16	18.53	52.05	26.92

H. Diversity Factor

All India Demand Diversity Factor	1.029
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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.

सचिव(ऊर्जा)/संयुक्त सचिव(परिष्कारण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०आर०(पि०प्र०)/

अध्यक्ष एवं प्रबंध निदेशक(पाँसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	19-Jun-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET for NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	76	282	0.0	3.6	-3.6	
2		SASARAM-FATEHPUR	S/C	326	26	2.5	0.0	2.5	
3		GAYA-BALIA	S/C	0	377	0.0	6.1	-6.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	286	0.0	12.4	-12.4	
5		PUSAULI B/B	S/C	0	247	0.0	6.1	-6.1	
6	400 kV	PUSAULI-VARANASI	S/C	0	207	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	112	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	715	0.0	12.1	-12.1	
9		PATNA-BALIA	Q/C	0	852	0.0	16.2	-16.2	
10		BIHARSHARIFF-BALIA	D/C	34	285	0.0	4.6	-4.6	
11		MOTIHARI-GORAKHPUR	D/C	316	0	5.0	0.0	5.0	
12		BIHARSHARIFF-VARANASI	D/C	868	0	0.0	0.6	-0.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	207	0.0	4.3	-4.3	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.3	0.0	0.3	
16		KARMANASA-SAHUPURI	S/C	0	39	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>7.8</b>	<b>66.0</b>	<b>-58.2</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	792	0	15.2	0.0	15.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	647	71	11.5	0.0	11.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	937	0	16.7	0.0	16.7	
21		RANCHI-SIPAT	D/C	349	0	5.6	0.0	5.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	62	46	0.2	0.0	0.2	
23		BUDHIPADAR-KORBA	D/C	125	0	2.3	0.0	2.3	
<b>ER-WR</b>						<b>51.6</b>	<b>0.0</b>	<b>51.6</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	99.0	819.9	0.0	9.1	-9.1	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	475.5	0.0	11.1	-11.1	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1286.2	0.0	27.7	-27.7	
27	400 kV	TALCHER-I/C	D/C	920.6	0.8	3.3	5.3	-2.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>47.9</b>	<b>-47.9</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	108	474	0.0	2.5	-3	
30		ALIPURDUAR-BONGAIGAON	D/C	359	243	3.3	0.0	3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	12	146	0.0	1.1	-1	
<b>ER-NER</b>						<b>3.3</b>	<b>3.6</b>	<b>-0.3</b>	
<b>Import/Export of NER (With NR)</b>									
32	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>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2500	0.0	60.0	-60.0	
34		V'CHAL B/B	D/C	50	250	5.0	0.0	5.0	
35		APL -MHG	D/C	0	1513	0.0	29.6	-29.6	
36	765 kV	GWALIOR-AGRA	D/C	0	2414	0.0	49.3	-49.3	
37		PHAGI-GWALIOR	D/C	0	1606	0.0	34.0	-34.0	
38		JABALPUR-ORAI	D/C	0	1107	0.0	19.9	-19.9	
39		GWALIOR-ORAI	S/C	0	1888	10.6	0.0	10.6	
40		SATNA-ORAI	S/C	472	0	0.0	41.6	-41.6	
41		ZERDA-KANKROLI	S/C	366	0	5.1	0.0	5.1	
42	400 kV	ZERDA -BHINMAL	S/C	284	0	4.4	0.0	4.4	
43		V'CHAL -RIHAND	S/C	965	0	22.5	0.0	22.5	
44		RAPP-SHUJALPUR	D/C	0	389	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	42	50	0.2	0.3	-0.1	
46		BADOD-MORAK	S/C	0	82	0.0	1.1	-1.1	
47		MEHGAON-AURAIYA	S/C	38	32	0.1	0.2	0.0	
48		MALANPUR-AURAIYA	S/C	10	43	0.0	0.6	-0.6	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>48.0</b>	<b>239.8</b>	<b>-191.8</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC LINK	BHADRAWATI B/B	-	0	500	0.0	11.9	-11.9	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1823	462	19.8	0.0	19.8	
53		WARDHA-NIZAMABAD	D/C	0	1235	0.0	2.4	-2.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	912	0	13.7	0.0	13.7	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	109	0	2.1	0.0	2.1	
<b>WR-SR</b>						<b>35.5</b>	<b>14.3</b>	<b>21.2</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						25.0	
59		NEPAL						-6.0	
60		BANGLADESH						-14.6	