



**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: 14<sup>th</sup> June 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, 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. 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. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 13.06.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-जून-2018 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 13<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

14-Jun-18

**A. Maximum Demand**

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52749	45198	39588	20884	2373	160792
Peak Shortage (MW)	533	142	0	0	296	970
Energy Met (MU)	1251	1092	859	434	42	3677
Hydro Gen (MU)	298	14	59	88	26	484
Wind Gen (MU)	57	192	216	-----	-----	465
Solar Gen (MU)*	14.16	20.35	53.35	0.67	0.01	89
Energy Shortage (MU)	11.3	0.0	0.0	0.0	3.4	14.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56334 00:26	48189 23:48	40483 19:58	21453 19:33	2401 18:56	165707 20:47

**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	2.51	11.39	13.90	75.57	10.53

**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	8286	0	188.5	104.9	-0.2	120	0.0
	Haryana	8444	0	185.0	129.1	2.3	284	0.1
	Rajasthan	10401	82	218.7	55.9	0.7	342	0.5
	Delhi	6614	0	137.9	111.3	-1.5	312	0.0
	UP	18452	0	394.1	172.5	-0.9	220	0.0
	Uttarakhand	2017	0	45.0	18.1	1.1	211	0.0
	HP	1444	0	28.3	4.5	1.4	171	0.0
WR	J&K	2234	394	46.2	21.3	3.6	626	10.8
	Chandigarh	358	0	6.8	6.8	0.1	42	0.0
	Chhattisgarh	3018	0	67.4	18.9	-3.7	108	0.0
	Gujarat	15750	0	352.7	115.8	4.1	371	0.0
	MP	7842	0	163.3	44.0	-3.0	376	0.0
	Maharashtra	20577	0	462.3	132.4	2.7	438	0.0
	Goa	480	0	9.9	8.8	0.4	63	0.0
	DD	349	0	7.8	7.1	0.7	51	0.0
	DNH	784	0	18.3	17.9	0.3	44	0.0
	Essar steel	487	0	10.0	9.8	0.2	155	0.0
SR	Andhra Pradesh	7219	0	162.2	23.7	1.6	491	0.0
	Telangana	6871	0	136.9	55.5	0.4	509	0.0
	Karnataka	7952	0	162.1	51.0	-1.9	454	0.0
	Kerala	3265	0	66.0	43.5	0.9	191	0.0
	Tamil Nadu	14795	0	323.4	100.4	1.5	746	0.0
	Pondy	379	0	8.1	8.3	-0.1	149	0.0
ER	Bihar	4603	0	85.9	84.1	-0.3	0	0.0
	DVC	3005	0	70.3	-34.8	2.2	0	0.0
	Jharkhand	1057	0	22.7	17.0	0.6	0	0.0
	Odisha	4591	0	87.5	45.6	-0.6	0	0.0
	West Bengal	8510	0	166.1	51.8	3.7	0	0.0
NER	Sikkim	84	0	1.2	1.3	-0.1	0	0.0
	Arunachal Pradesh	108	2	1.9	3.7	-1.8	14	0.0
	Assam	1473	234	25.8	23.3	-3.2	139	3.0
	Manipur	138	2	1.9	2.7	-0.9	14	0.0
	Meghalaya	293	0	5.6	2.1	-0.8	37	0.0
	Mizoram	80	0	1.7	1.4	-0.2	5	0.0
	Nagaland	116	4	2.3	2.3	-0.1	36	0.0
	Tripura	231	13	2.7	3.8	-0.5	30	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	24.2	-5.7	-16.0
Day peak (MW)	1300.5	-401.5	-678.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	249.2	-238.6	23.0	-38.7	4.0	-1.2
Actual(MU)	252.5	-241.5	25.3	-32.6	-7.0	-3.3
O/D/U/D(MU)	3.3	-2.9	2.4	6.1	-11.0	-2.1

**F. Generation Outage(MW)**

	NR	WR	SR	ER	NER	Total
Central Sector	3645	13425	9112	2550	430	29162
State Sector	6235	17916	11050	6705	50	41956
Total	9880	31341	20162	9255	479	71117

**G. Sourcewise generation (MU)**

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	568	1042	423	401	6	2439
Hydro	298	14	60	88	26	485
Nuclear	30	30	46	0	0	106
Gas, Naptha & Diesel	33	50	11	0	21	116
RES (Wind, Solar, Biomass & Others)	86	213	305	1	0	605
Total	1016	1348	845	490	53	3751

Share of RES in total generation (%)	8.51	15.77	36.09	0.21	0.03	16.13
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.82	19.03	48.66	18.09	48.62	31.90

**H. Diversity Factor**

All India Demand Diversity Factor	1.019
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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 (पारेषण)/(ओ एम)/निदेशक (ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रिड) / अध्यक्ष एवं प्रबंध निदेशक (पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	14-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	63	309	0.0	3.7	-3.7	
2		SASARAM-FATEHPUR	S/C	354	90	2.4	0.0	2.4	
3		GAYA-BALIA	S/C	0	499	0.0	9.4	-9.4	
4	HVDC	ALIPURDUAR-AGRA	-	0	286	0.0	11.6	-11.6	
5		PUSAULI B/B	S/C	0	248	0.0	6.1	-6.1	
6	400 kV	PUSAULI-VARANASI	S/C	0	226	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	123	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	24	617	0.0	8.4	-8.4	
9		PATNA-BALIA	Q/C	2	941	0.0	11.2	-11.2	
10		BIHARSHARIFF-BALIA	D/C	0	419	0.0	7.7	-7.7	
11		MOTIHARI-GORAKHPUR	D/C	3	255	0.0	2.4	-2.4	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	699	0	0.3	0.0	0.3	
13		PUSAULI-SAHUPURI	S/C	0	210	0.0	4.6	-4.6	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	35	0	0.2	0.0	0.2
16			KARMANASA-SAHUPURI	S/C	6	32	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>2.9</b>	<b>65.1</b>	<b>-62.2</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	969	0	17.0	0.0	17.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	886	0	11.1	0.0	11.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1064	0	14.4	0.0	14.4	
21		RANCHI-SIPAT	D/C	418	0	5.9	0.0	5.9	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	126	55	0.0	0.1	-0.1	
23		BUDHIPADAR-KORBA	D/C	153	0	2.7	0.0	2.7	
<b>ER-WR</b>						<b>51.1</b>	<b>0.1</b>	<b>51.0</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1356.8	0.0	20.3	-20.3	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	438.6	0.0	9.3	-9.3	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1775.3	0.0	29.0	-29.0	
27	400 kV	TALCHER-I/C	D/C	823.4	0.8	1.7	6.8	-5.1	
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>58.7</b>	<b>-58.7</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	49	469	0.0	4.1	-4	
30		ALIPURDUAR-BONGAIGAON	D/C	310	226	1.7	0.0	2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	16	127	0.0	1.1	-1	
<b>ER-NER</b>						<b>1.7</b>	<b>5.2</b>	<b>-3.5</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	12.0	-12.0	
<b>NER-NR</b>						<b>0.0</b>	<b>12.0</b>	<b>-12.0</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	100	0.0	31.5	-31.5	
34		V'CHAL B/B	D/C	250	200	1.1	4.1	-3.0	
35		APL -MHG	D/C	0	2520	0.0	48.0	-48.0	
36	765 kV	GWALIOR-AGRA	D/C	0	2606	0.0	44.8	-44.8	
37		PHAGI-GWALIOR	D/C	0	1442	0.0	28.2	-28.2	
38		JABALPUR-ORAI	D/C	0	1376	0.0	22.5	-22.5	
39		GWALIOR-ORAI	S/C	0	1944	8.2	0.0	8.2	
40		SATNA-ORAI	S/C	447	0	0.0	38.4	-38.4	
41		ZERDA-KANKROLI	S/C	426	0	7.7	0.0	7.7	
42	400 kV	ZERDA -BHINMAL	S/C	467	0	8.2	0.0	8.2	
43		V'CHAL -RIHAND	S/C	956	0	14.6	0.0	14.6	
44		RAPP-SHUJALPUR	D/C	0	199	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	17	71	0.0	0.9	-0.9	
46		BADOD-MORAK	S/C	0	90	0.0	1.6	-1.6	
47		MEHGAON-AURAIYA	S/C	21	49	0.0	0.4	-0.4	
48	132kV	MALANPUR-AURAIYA	S/C	0	63	0.0	0.9	-0.9	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>39.8</b>	<b>222.3</b>	<b>-182.5</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	19.6	-19.6	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1538	439	7.1	0.0	7.1	
53		WARDHA-NIZAMABAD	D/C	171	1061	0.0	10.7	-10.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	821	0	12.2	0.0	12.2	
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>21.4</b>	<b>30.3</b>	<b>-8.9</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						24.2	
59		NEPAL						-5.7	
60		BANGLADESH						-16.0	