



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: 29<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 28.06.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28<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 29-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	46042	43089	39593	18765	2680	150168
Peak Shortage (MW)	990	104	0	0	90	1184
Energy Met (MU)	1056	1004	880	410	49	3399
Hydro Gen (MU)	286	16	65	79	24	470
Wind Gen (MU)	13	72	186	-----	-----	271
Solar Gen (MU)*	14.47	12.19	39.89	0.56	0.02	67
Energy Shortage (MU)	9.5	0.0	0.0	0.0	1.5	11.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	51115 00:00	43588 19:50	41090 20:01	20505 20:27	2714 20:06	154476 19:51

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	0.033	0.00	0.17	7.31	7.49	77.09	15.42

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	8863	0	192.6	113.2	-1.7	126	0.0	
	Haryana	7226	0	145.8	122.7	-0.9	421	0.0	
	Rajasthan	7529	0	170.3	53.4	0.7	287	0.0	
	Delhi	5559	0	114.3	93.1	-0.8	280	0.1	
	UP	16470	0	319.9	143.6	-1.0	371	0.0	
	Uttarakhand	2072	0	43.5	17.1	-1.4	237	0.0	
	HP	877	0	25.0	2.0	2.8	269	0.0	
	J&K	1946	486	39.4	18.5	-4.4	18	9.4	
	Chandigarh	269	0	5.5	6.4	-0.9	0	0.0	
	WR	Chhattisgarh	3299	0	75.0	18.4	-2.1	76	0.0
Gujarat		14607	0	330.6	146.1	1.3	516	0.0	
MP		6788	0	146.5	48.8	-3.2	272	0.0	
Maharashtra		18368	0	409.1	109.8	-3.3	658	0.0	
Goa		451	0	9.4	8.8	-0.1	62	0.0	
DD		332	0	7.4	6.2	1.3	74	0.0	
DNH		750	0	17.6	16.8	0.8	53	0.0	
Essar steel		417	0	8.4	8.5	-0.2	226	0.0	
SR		Andhra Pradesh	7286	0	163.8	7.9	4.0	632	0.0
		Telangana	6836	0	143.3	59.2	1.5	634	0.0
	Karnataka	8884	0	179.2	57.2	3.6	481	0.0	
	Kerala	3230	0	63.3	40.1	0.7	214	0.0	
	Tamil Nadu	14247	0	323.1	110.9	3.2	890	0.0	
	Pondy	355	0	7.4	7.6	-0.2	47	0.0	
ER	Bihar	4713	0	80.9	80.1	-1.2	345	0.0	
	DVC	2978	0	68.3	-31.4	0.0	298	0.0	
	Jharkhand	1034	0	22.3	16.6	0.3	130	0.0	
	Odisha	4238	0	81.3	47.5	2.0	398	0.0	
	West Bengal	7883	0	155.2	41.7	2.9	445	0.0	
	Sikkim	85	0	1.4	1.4	0.0	30	0.0	
NER	Arunachal Pradesh	116	4	2.3	2.7	-0.3	15	0.0	
	Assam	1735	20	30.8	25.1	1.2	176	1.4	
	Manipur	159	1	2.3	2.5	-0.2	13	0.0	
	Meghalaya	300	0	5.5	0.8	-0.1	140	0.0	
	Mizoram	84	2	1.6	0.8	0.1	9	0.0	
	Nagaland	122	3	2.2	2.1	-0.1	29	0.0	
Tripura	260	2	4.4	4.1	0.1	44	0.0		

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	21.5	-6.8	-15.1
Day peak (MW)	1126.4	-381.4	-653.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	245.7	-216.9	40.2	-68.8	-0.1	0.1
Actual(MU)	231.5	-216.5	46.2	-60.6	-1.7	-1.1
O/D/U/D(MU)	-14.2	0.4	6.0	8.2	-1.6	-1.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5629	12716	9872	445	118	28780
State Sector	5835	16860	8720	5465	50	36930
Total	11464	29576	18592	5910	168	65709

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	459	1067	458	408	8	2400
Hydro	286	16	66	79	24	471
Nuclear	31	30	45	0	0	106
Gas, Naptha & Diesel	28	46	15	0	22	111
RES (Wind, Solar, Biomass & Others)	41	84	259	1	0	385
Total	845	1243	843	488	54	3473

Share of RES in total generation (%)	4.83	6.77	30.75	0.18	0.08	11.09
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.33	10.49	43.89	16.44	43.84	27.70

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 (पारंपर) / (ओ एम) / निदेशक (ओ एम) / मुख्य अभियंता - के० वि० एम० (पि० प्र०) /  
अध्यक्ष एवं प्रबंध निदेशक (सोमेश्वर) / सभी राज्य के मुख्य सचिव / ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 29-Jun-18

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	652	0.0	10.1	-10.1	
2		SASARAM-FATEHPUR	S/C	207	89	0.9	0.0	0.9	
3		GAYA-BALIA	S/C	0	379	0.0	7.2	-7.2	
4	HVDC	ALIPURDUAR-AGRA	-	384	202	0.0	5.0	-5.0	
5		PUSAULI B/B	S/C	0	377	0.0	9.0	-9.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	279	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	197	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	771	0.0	12.3	-12.3	
9		PATNA-BALIA	Q/C	0	857	0.0	14.1	-14.1	
10		BIHARSHARIFF-BALIA	D/C	0	392	0.0	7.0	-7.0	
11		MOTIHARI-GORAKHPUR	D/C	202	119	1.1	0.0	1.1	
12		BIHARSHARIFF-VARANASI	D/C	891	0	0.0	5.1	-5.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	175	0.0	3.4	-3.4	
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	35	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>2.3</b>	<b>73.2</b>	<b>-70.9</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1107	4	17.1	0.0	17.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	617	46	7.3	0.0	7.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1038	0	19.2	0.0	19.2	
21		RANCHI-SIPAT	D/C	286	0	4.4	0.0	4.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	104	17	0.9	0.0	0.9	
23		BUDHIPADAR-KORBA	D/C	154	0	2.2	0.0	2.2	
<b>ER-WR</b>						<b>51.1</b>	<b>0.0</b>	<b>51.1</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1194.8	0.0	17.0	-17.0	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	639.1	0.0	13.6	-13.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1485.4	0.0	27.8	-27.8	
27	400 kV	TALCHER-I/C	D/C	859.0	0.8	0.0	9.3	-9.3	
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>58.4</b>	<b>-58.4</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	115	437	0.0	3.8	-4	
30		ALIPURDUAR-BONGAIGAON	D/C	136	307	0.0	1.8	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	120	0.0	3.1	-3	
<b>ER-NER</b>						<b>0.0</b>	<b>8.7</b>	<b>-8.7</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	10.3	-10.3	
<b>NER-NR</b>						<b>0.0</b>	<b>10.3</b>	<b>-10.3</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	20.1	-20.1	
34		V'CHAL B/B	D/C	100	250	5.4	0.2	5.2	
35		APL -MHG	D/C	0	1513	0.0	33.2	-33.2	
36		GWALIOR-AGRA	D/C	0	2758	0.0	47.5	-47.5	
37	765 kV	PHAGI-GWALIOR	D/C	0	1464	0.0	28.2	-28.2	
38		JABALPUR-ORAI	D/C	0	1216	0.0	19.5	-19.5	
39		GWALIOR-ORAI	S/C	0	1852	8.2	0.0	8.2	
40		SATNA-ORAI	S/C	396	0	0.0	39.3	-39.3	
41		400 kV	ZERDA-KANKROLI	S/C	374	0	6.7	0.0	6.7
42			ZERDA -BHINMAL	S/C	402	0	5.4	0.0	5.4
43	V'CHAL -RIHAND		S/C	968	0	16.9	0.0	16.9	
44	RAPP-SHUJALPUR		D/C	0	405	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	40	84	0.3	0.2	0.1	
46		BADOD-MORAK	S/C	0	103	0.0	0.8	-0.8	
47		MEHGAON-AURAIYA	S/C	12	49	0.0	0.4	-0.4	
48	132kV	MALANPUR-AURAIYA	S/C	0	63	0.0	0.8	-0.8	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>42.8</b>	<b>193.3</b>	<b>-150.5</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	100	0.0	2.4	-2.4	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	649	1024	0.0	3.0	-3.0	
53		WARDHA-NIZAMABAD	D/C	0	1782	0.0	21.8	-21.8	
54	400 kV	KOLHAPUR-KUDGI	D/C	680	0	10.2	0.0	10.2	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		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>12.3</b>	<b>27.2</b>	<b>-14.9</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>21.5</b>	
59		NEPAL						<b>-6.8</b>	
60		BANGLADESH						<b>-15.1</b>	