



National Load Despatch Centre  
राष्ट्रीय भार प्रेषण केंद्र  
POWER SYSTEM OPERATION CORPORATION LIMITED  
पॉवर 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: 01<sup>st</sup> July 2018

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
General Manager, ERLDC, 14 Golf Club Road, Tollygunge, 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., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 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 30.06.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-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 30<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

1-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	51848	44274	39142	19210	2599	157073
Peak Shortage (MW)	1346	227	0	0	159	1733
Energy Met (MU)	1170	1014	880	428	49	3540
Hydro Gen (MU)	316	21	74	76	23	510
Wind Gen (MU)	4	57	96	-----	-----	157
Solar Gen (MU)*	13.97	18.29	55.79	0.78	0.01	89
Energy Shortage (MU)	11.1	0.0	0.0	0.0	1.4	12.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54293 21:09	44623 14:25	40199 19:29	20581 20:30	2645 18:56	160437 20:15

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	0.064	0.27	2.08	15.36	17.71	76.39	5.90

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	9503	0	206.4	122.5	0.0	119	0.0	
	Haryana	8454	0	178.4	146.8	1.5	334	0.1	
	Rajasthan	7424	651	160.3	52.0	3.1	516	1.8	
	Delhi	5621	0	113.1	93.2	-0.8	87	0.0	
	UP	18089	30	394.9	182.0	0.1	218	0.0	
	Uttarakhand	2059	0	45.5	16.3	-0.2	158	0.0	
	HP	1368	0	26.6	1.6	1.8	237	0.0	
	J&K	1996	499	38.6	16.8	-3.5	237	9.2	
	Chandigarh	293	0	6.0	6.4	-0.4	18	0.0	
	WR	Chhattisgarh	3648	0	82.5	18.0	0.1	267	0.0
Gujarat		14478	0	318.7	123.4	1.6	511	0.0	
MP		7536	0	159.6	50.5	-1.0	200	0.0	
Maharashtra		18898	0	413.7	135.0	-1.5	373	0.0	
Goa		406	0	9.3	9.1	-0.5	51	0.0	
DD		324	0	7.3	6.7	0.7	63	0.0	
DNH		751	0	17.4	16.7	0.8	69	0.0	
Essar steel		286	0	5.1	5.6	-0.5	162	0.0	
SR		Andhra Pradesh	7600	0	165.4	36.9	1.0	420	0.0
		Telangana	7280	0	155.1	73.9	-1.1	322	0.0
	Karnataka	8521	0	180.2	62.9	1.7	524	0.0	
	Kerala	3294	0	64.7	41.2	0.3	285	0.0	
	Tamil Nadu	13868	0	308.2	130.5	5.2	580	0.0	
	Pondy	364	0	6.7	6.9	-0.3	37	0.0	
	ER	Bihar	4657	0	89.8	90.3	-2.9	0	0.0
		DVC	3054	0	69.4	-30.5	-0.1	120	0.0
		Jharkhand	1088	0	24.2	17.0	1.5	100	0.0
		Odisha	3726	0	74.3	36.1	0.8	360	0.0
West Bengal		8394	0	169.3	48.6	5.4	410	0.0	
Sikkim		83	0	1.2	1.2	-0.1	18	0.0	
NER	Arunachal Pradesh	118	5	2.2	2.7	-0.5	0	0.0	
	Assam	1652	119	30.8	25.9	0.8	152	1.3	
	Manipur	167	2	2.2	2.7	-0.4	9	0.0	
	Meghalaya	289	7	5.4	0.8	0.1	134	0.0	
	Mizoram	84	2	1.6	0.7	0.3	17	0.0	
	Nagaland	116	5	2.3	2.0	0.1	18	0.0	
	Tripura	251	5	4.1	4.1	-0.3	30	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	22.1	-5.1	-14.4
Day peak (MW)	1106.3	-429.0	-644.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	273.7	-260.7	69.6	-82.6	0.4	0.4
Actual(MU)	260.2	-265.5	75.5	-72.3	-1.1	-3.2
O/D/U/D(MU)	-13.5	-4.8	5.9	10.3	-1.5	-3.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5752	13126	10032	445	118	29473
State Sector	6435	16220	9330	5755	50	37790
Total	12187	29346	19362	6200	168	67262

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	521	1125	492	448	8	2594
Hydro	316	21	75	76	23	512
Nuclear	30	29	45	0	0	104
Gas, Naptha & Diesel	27	49	16	0	22	114
RES (Wind, Solar, Biomass & Others)	33	75	187	1	0	296
Total	927	1299	816	525	53	3620

Share of RES in total generation (%)	3.53	5.77	22.96	0.20	0.06	8.18
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.88	9.59	37.72	14.73	43.79	25.19

H. Diversity Factor

All India Demand Diversity Factor	1.012
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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(पारंपर्य)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता.के०वि०प्रा०(पि०प्र०)/  
अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

**INTER-REGIONAL EXCHANGES**

Date of Reporting : **1-Jul-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	13	431	0.0	6.4	-6.4	
2		SASARAM-FATEHPUR	S/C	283	0	3.7	0.0	3.7	
3		GAYA-BALIA	S/C	0	414	0.0	8.4	-8.4	
4		ALIPURDUAR-AGRA	-	175	300	0.0	7.6	-7.6	
5	400 kV	PUSAULI B/B	S/C	0	378	0.0	9.1	-9.1	
6		PUSAULI-VARANASI	S/C	0	282	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	163	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	711	0.0	12.1	-12.1	
9		PATNA-BALIA	Q/C	0	1069	0.0	20.5	-20.5	
10		BIHARSHARIFF-BALIA	D/C	0	376	0.0	6.4	-6.4	
11		MOTIHARI-GORAKHPUR	D/C	300	0	4.4	0.0	4.4	
12		BIHARSHARIFF-VARANASI	D/C	605	0	0.1	0.0	0.1	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	196	0.0	3.9	-3.9
14			SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	35	0	0.4	0.0	0.4
16		132 kV	KARMANASA-SAHUPURI	S/C	3	43	0.0	0.0	0.0
17	KARMANASA-CHANDAULI		S/C	0	0	0.0	0.0	0.0	
						<b>ER-NR</b>	<b>8.6</b>	<b>74.3</b>	<b>-65.7</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1128	0	12.5	0.0	12.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	612	0	10.0	0.0	10.0	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	880	0	13.0	0.0	13.0	
21		RANCHI-SIPAT	D/C	319	0	6.6	0.0	6.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	81	22	0.7	0.0	0.7	
23		BUDHIPADAR-KORBA	D/C	147	0	2.6	0.0	2.6	
						<b>ER-WR</b>	<b>45.4</b>	<b>0.0</b>	<b>45.4</b>
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1235.8	0.0	13.4	-13.4	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	665.0	0.0	16.3	-16.3	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1974.7	0.0	35.3	-35.3	
27	400 kV	TALCHER-I/C	D/C	1158.2	0.8	0.0	16.2	-16.2	
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>65.0</b>	<b>-65.0</b>
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	540	0.0	7.6	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	7	418	0.0	4.8	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	140	0.0	1.9	-2	
						<b>ER-NER</b>	<b>0.0</b>	<b>14.3</b>	<b>-14.3</b>
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	17.1	-17.1	
						<b>NER-NR</b>	<b>0.0</b>	<b>17.1</b>	<b>-17.1</b>
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2250	0.0	36.0	-36.0	
34		V'CHAL B/B	D/C	200	200	1.6	1.3	0.4	
35		APL -MHG	D/C	0	1715	0.0	29.6	-29.6	
36		GWALIOR-AGRA	D/C	0	2792	0.0	53.9	-53.9	
37	765 kV	PHAGI-GWALIOR	D/C	0	1834	0.0	23.2	-23.2	
38		JABALPUR-ORAI	D/C	0	1259	0.0	21.3	-21.3	
39		GWALIOR-ORAI	S/C	0	1887	7.4	0.0	7.4	
40		SATNA-ORAI	S/C	348	0	0.0	43.7	-43.7	
41		400 kV	ZERDA-KANKROLI	S/C	222	0	3.0	0.0	3.0
42			ZERDA -BHINMAL	S/C	213	0	1.8	0.0	1.8
43	V'CHAL -RIHAND		S/C	964	0	21.8	0.0	21.8	
44	RAPP-SHUJALPUR		D/C	0	414	0	4	-4	
45	220 kV	BADOD-KOTA	S/C	43	78	0.1	0.6	-0.5	
46		BADOD-MORAK	S/C	3	94	0.0	1.2	-1.2	
47		MEHGAON-AURAIYA	S/C	6	48	0.0	0.5	-0.5	
48	132kV	MALANPUR-AURAIYA	S/C	0	65	0.0	1.0	-1.0	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>35.7</b>	<b>215.8</b>	<b>-180.1</b>
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	800	0.0	19.3	-19.3	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	411	1584	0.0	13.1	-13.1	
53		WARDHA-NIZAMABAD	D/C	0	1925	0.0	22.0	-22.0	
54	400 kV	KOLHAPUR-KUDGI	D/C	792	0	12.5	0.0	12.5	
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>14.6</b>	<b>54.3</b>	<b>-39.7</b>
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>22.1</b>	
59		NEPAL						<b>-5.1</b>	
60		BANGLADESH						<b>-14.4</b>	