



**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 सराय, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 05<sup>th</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., डोंगतिह, 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 04.06.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 4 जुलाई 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 4<sup>th</sup> July 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

5-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	50380	42647	41137	18672	2529	155365
Peak Shortage (MW)	967	0	0	0	203	1170
Energy Met (MU)	1126	995	908	407	46	3483
Hydro Gen (MU)	324	15	47	95	29	509
Wind Gen (MU)	46	155	176	-----	-----	377
Solar Gen (MU)*	14.38	13.23	51.38	0.52	0.01	80
Energy Shortage (MU)	10.0	0.0	0.0	0.0	2.2	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55056 21:55	44047 19:55	41976 19:42	20034 20:32	2762 19:33	160330 20:27

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	0.041	0.00	0.66	6.70	7.36	71.24	21.40

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	7456	0	156.7	112.8	-13.0	93	0.0
	Haryana	8807	0	170.3	132.7	1.3	298	0.0
	Rajasthan	9857	151	209.6	70.7	2.4	466	0.0
	Delhi	5955	0	120.3	96.4	-2.6	75	0.0
	UP	17954	0	359.1	171.0	1.3	360	0.0
	Uttarakhand	1908	0	39.4	11.3	0.0	129	0.0
	HP	1315	0	24.1	-3.1	3.0	168	0.0
	J&K	2154	538	41.8	19.0	-0.7	754	10.0
WR	Chandigarh	250	0	5.0	6.1	-1.1	0	0.0
	Chhattisgarh	3686	0	85.8	25.7	2.3	934	0.0
	Gujarat	13031	0	291.5	82.9	2.1	563	0.0
	MP	7197	0	161.3	67.8	-2.1	1269	0.0
	Maharashtra	18754	0	411.1	108.9	0.2	680	0.0
	Goa	446	0	9.1	8.3	0.1	42	0.0
	DD	648	0	7.2	6.3	0.9	75	0.0
	DNH	750	0	17.4	16.8	0.6	91	0.0
SR	Essar steel	538	0	11.4	10.3	1.0	398	0.0
	Andhra Pradesh	7140	0	163.4	12.3	1.2	587	0.0
	Telangana	7731	0	167.5	82.6	-0.4	383	0.0
	Karnataka	8878	0	189.3	59.3	0.3	507	0.0
	Kerala	3501	0	69.4	46.8	0.9	185	0.0
	Tamil Nadu	14357	0	310.8	126.9	-2.8	589	0.0
	Pondy	382	0	7.9	8.0	-0.1	52	0.0
	ER	Bihar	4477	0	81.7	80.4	-0.8	200
DVC		2959	0	65.5	-22.3	-0.1	220	0.0
Jharkhand		858	0	20.7	15.3	-0.6	75	0.0
Odisha		3969	0	78.7	38.3	1.5	220	0.0
West Bengal		7788	0	159.6	40.1	1.9	225	0.0
Sikkim		86	0	1.3	1.5	-0.2	10	0.0
NER	Arunachal Pradesh	106	2	2.4	3.1	-0.7	0	0.0
	Assam	1612	141	28.5	23.5	0.0	152	2.1
	Manipur	167	1	2.2	2.7	-0.4	30	0.0
	Meghalaya	293	0	5.4	0.4	0.0	38	0.0
	Mizoram	83	1	1.6	1.1	0.0	35	0.0
	Nagaland	112	3	2.1	2.3	-0.4	20	0.0
	Tripura	248	0	4.2	4.4	-0.5	29	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.3	-4.4	-14.6
Day peak (MW)	1464.4	-263.0	-654.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	251.4	-228.9	61.2	-79.2	-3.2	1.3
Actual(MU)	276.8	-261.1	59.4	-67.6	-8.0	-0.5
O/D/U/D(MU)	25.4	-32.2	-1.8	11.6	-4.8	-1.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5238	14476	8772	445	118	29049
State Sector	10380	19668	8270	5845	50	44213
Total	15618	34144	17042	6290	168	73261

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	446	980	481	405	7	2319
Hydro	324	15	48	95	29	510
Nuclear	27	27	45	0	0	99
Gas, Naptha & Diesel	37	45	24	0	22	127
RES (Wind, Solar, Biomass & Others)	72	168	258	1	0	499
Total	906	1234	856	501	57	3554

Share of RES in total generation (%)	7.93	13.63	30.15	0.16	0.02	14.04
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	46.67	17.00	41.03	19.08	50.15	31.18

H. Diversity Factor

All India Demand Diversity Factor	1.022
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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(पि०प्र०)  
अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० क०)

**INTER-REGIONAL EXCHANGES**

Date of Reporting : **5-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	15	561	0.0	6.7	-6.7	
2		SASARAM-FATEHPUR	S/C	244	0	2.2	0.0	2.2	
3		GAYA-BALIA	S/C	0	408	0.0	6.1	-6.1	
4		ALIPURDUAR-AGRA	-	0	726	0.0	16.6	-16.6	
5	400 kV	PUSAULI B/B	S/C	0	378	0.0	9.3	-9.3	
6		PUSAULI-VARANASI	S/C	0	277	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	161	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	676	0.0	13.1	-13.1	
9		PATNA-BALIA	Q/C	0	937	0.0	14.9	-14.9	
10		BIHARSHARIFF-BALIA	D/C	0	321	0.0	5.6	-5.6	
11		MOTIHARI-GORAKHPUR	D/C	280	11	4.0	0.0	4.0	
12		BIHARSHARIFF-VARANASI	D/C	861	0	0.0	1.6	-1.6	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	176	0.0	3.6	-3.6
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	41	0.0	0.0	0.0	
17	KARMANASA-CHANDAULI		S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>6.4</b>	<b>77.5</b>	<b>-71.0</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	950	2	24.6	0.0	24.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	605	0	9.3	0.0	9.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	905	0	13.9	0.0	13.9	
21		RANCHI-SIPAT	D/C	291	0	4.6	0.0	4.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	95	15	1.0	0.0	1.0	
23		BUDHIPADAR-KORBA	D/C	146	0	0.0	2.7	-2.7	
<b>ER-WR</b>						<b>53.3</b>	<b>2.7</b>	<b>50.6</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	961.7	0.0	12.0	-12.0	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	524.5	0.0	11.4	-11.4	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1975.8	0.0	39.7	-39.7	
27	400 kV	TALCHER-I/C	D/C	972.9	0.8	0.8	10.1	-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>63.1</b>	<b>-63.1</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	3	535	0.0	6.2	-6	
30		ALIPURDUAR-BONGAIGAON	D/C	262	243	0.8	0.0	1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	128	0.0	1.5	-2	
<b>ER-NER</b>						<b>0.8</b>	<b>7.7</b>	<b>-6.9</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	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	108	1519	0.0	19.2	-19.2	
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	1356	0.0	18.4	-18.4	
36		GWALIOR-AGRA	D/C	0	1369	0.0	46.4	-46.4	
37	765 kV	PHAGI-GWALIOR	D/C	0	1695	0.0	28.5	-28.5	
38		JABALPUR-ORAI	D/C	0	0	0.0	0.0	0.0	
39		GWALIOR-ORAI	S/C	463	0	8.4	0.0	8.4	
40		SATNA-ORAI	S/C	0	1798	0.0	73.8	-73.8	
41		400 kV	ZERDA-KANKROLI	S/C	228	161	0.6	0.8	-0.2
42			ZERDA -BHINMAL	S/C	244	137	0.8	0.8	0.1
43	V'CHAL -RIHAND		S/C	971	0	18.4	0.0	18.4	
44	RAPP-SHUJALPUR		D/C	0	769	0	23	-23	
45	220 kV	BADOD-KOTA	S/C	6	66	0.0	1.0	-1.0	
46		BADOD-MORAK	S/C	0	105	0.0	1.6	-1.6	
47		MEHGAON-AURAIYA	S/C	34	29	0.1	0.2	-0.1	
48	132kV	MALANPUR-AURAIYA	S/C	11	49	0.0	0.7	-0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>34.5</b>	<b>214.3</b>	<b>-179.9</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	19.6	-19.6	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1008	1099	5.2	2.2	2.9	
53		WARDHA-NIZAMABAD	D/C	0	1152	0.0	25.5	-25.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	936	0	14.0	0.0	14.0	
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	0	0	0.0	0.0	0.0	
<b>WR-SR</b>						<b>19.2</b>	<b>47.4</b>	<b>-28.2</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>33.3</b>	
59		NEPAL						<b>-4.4</b>	
60		BANGLADESH						<b>-14.6</b>	