



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: 10<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, 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 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 09.07.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 9 जुलाई 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 9<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

10-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	58546	43367	37761	19676	2598	161948
Peak Shortage (MW)	1466	0	0	0	201	1667
Energy Met (MU)	1408	1012	841	439	50	3749
Hydro Gen (MU)	328	14	53	96	26	517
Wind Gen (MU)	34	112	218	-----	-----	364
Solar Gen (MU)*	16.05	14.07	34.20	0.73	0.02	65
Energy Shortage (MU)	18.8	0.0	0.0	0.0	1.6	20.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	62376 14:41	44430 11:38	39031 19:24	20982 21:47	2585 20:01	166129 19:59

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	0.048	0.00	1.12	12.48	13.60	76.53	9.87

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	12201	0	270.4	143.4	-1.0	121	0.0
	Haryana	9944	138	216.5	154.4	2.5	381	1.0
	Rajasthan	10806	0	239.6	72.3	1.3	673	0.0
	Delhi	6924	0	139.0	109.3	0.9	220	0.1
	UP	18983	90	422.6	210.1	2.4	348	6.4
	Uttarakhand	2109	0	45.4	17.8	0.1	170	0.0
	HP	1279	66	25.4	-1.4	1.9	266	1.4
	J&K	1971	493	41.6	19.9	-3.4	166	9.9
	Chandigarh	364	0	7.0	6.8	0.2	51	0.0
WR	Chhattisgarh	3625	0	80.1	26.6	-3.1	484	0.0
	Gujarat	14841	0	328.7	105.2	4.1	465	0.0
	MP	7524	0	170.5	74.4	-1.8	520	0.0
	Maharashtra	17675	0	389.0	89.3	-1.3	660	0.0
	Goa	351	0	9.2	8.3	0.3	61	0.0
	DD	333	0	7.1	6.1	1.1	86	0.0
	DNH	757	0	17.4	16.7	0.7	68	0.0
	Essar steel	594	0	10.4	10.3	0.1	428	0.0
	Andhra Pradesh	6858	0	155.5	8.8	1.7	402	0.0
SR	Telangana	6706	0	140.7	76.9	-1.4	251	0.0
	Karnataka	8190	0	168.8	42.5	-3.5	418	0.0
	Kerala	3148	0	62.2	38.6	1.0	205	0.0
	Tamil Nadu	13655	0	306.3	100.2	-2.1	411	0.0
	Pondy	372	0	7.7	8.2	-0.4	19	0.0
	Bihar	4819	0	94.9	92.7	-0.2	200	0.0
ER	DVC	3211	0	68.7	-29.6	4.0	400	0.0
	Jharkhand	1203	0	25.0	19.2	0.4	200	0.0
	Odisha	4129	0	79.1	31.0	3.1	400	0.0
	West Bengal	8271	0	169.8	53.8	2.9	300	0.0
	Sikkim	85	0	1.1	1.3	-0.2	15	0.0
	Arunachal Pradesh	110	9	2.1	2.4	-0.3	23	0.0
NER	Assam	1640	156	31.5	24.5	1.0	130	1.4
	Manipur	161	5	2.3	2.5	-0.2	30	0.0
	Meghalaya	306	2	5.9	-0.3	0.8	38	0.0
	Mizoram	83	4	1.4	0.9	0.0	9	0.0
	Nagaland	109	6	2.1	2.1	-0.1	12	0.1
	Tripura	272	4	4.2	4.3	-0.9	26	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	31.7	-6.3	-13.8
Day peak (MW)	1482.3	-412.1	-613.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	329.7	-265.2	16.9	-76.4	-4.5	0.5
Actual(MU)	336.4	-267.0	1.3	-62.5	-6.1	2.1
O/D/U/D(MU)	6.7	-1.8	-15.6	14.0	-1.6	1.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4147	15382	9262	1155	56	30003
State Sector	6115	17780	10230	7265	50	41440
Total	10262	33162	19492	8420	106	71442

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	642	1074	440	428	9	2593
Hydro	328	14	53	96	25	516
Nuclear	27	30	45	0	0	102
Gas, Naptha & Diesel	40	50	24	0	24	137
RES (Wind, Solar, Biomass & Others)	61	126	287	1	0	475
Total	1097	1294	848	525	58	3823

Share of RES in total generation (%)	5.55	9.76	33.80	0.19	0.07	12.43
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.88	13.14	45.37	18.54	43.60	28.60

H. Diversity Factor

All India Demand Diversity Factor	1.020
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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 (परिचालन)/(ओ एम)/निदेशक (ओ एम)/मुख्य अभियंता-के०वि०एम०(पि०प्र०)/

अध्यक्ष एवं प्रबंध निदेशक(सोमनाथ)/सभी राज्य के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 10-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	0	525	0.0	9.2	-9.2	
2		SASARAM-FATEHPUR	S/C	302	6	3.0	0.0	3.0	
3		GAYA-BALIA	S/C	0	438	0.0	8.3	-8.3	
4		ALIPURDUAR-AGRA	-	0	683	0.0	16.1	-16.1	
5	HVDC	PUSAULI B/B	S/C	0	378	0.0	9.0	-9.0	
6		PUSAULI-VARANASI	S/C	0	274	0.0	0.0	0.0	
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	180	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	752	0.0	14.5	-14.5	
9		PATNA-BALIA	Q/C	0	951	0.0	17.6	-17.6	
10		BIHARSHARIFF-BALIA	D/C	0	408	0.0	8.3	-8.3	
11		MOTIHARI-GORAKHPUR	D/C	311	2	5.1	0.0	5.1	
12		BIHARSHARIFF-VARANASI	D/C	796	0	0.0	2.1	-2.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	205	0.0	4.1	-4.1	
14	132 kV	SONE NAGAR-RIHAND	S/C	14	14	0.5	0.0	0.5	
15		GARWAH-RIHAND	S/C	35	0	0.4	0.0	0.4	
16		KARMANASA-SAHUPURI	S/C	28	44	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						<b>ER-NR</b>	<b>9.0</b>	<b>89.0</b>	<b>-80.0</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	609	2	6.8	0.0	6.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	829	0	11.0	0.0	11.0	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	878	0	13.0	0.0	13.0	
21		RANCHI-SIPAT	D/C	386	0	6.5	0.0	6.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	38	92	0.0	0.5	-0.5	
23		BUDHIPADAR-KORBA	D/C	128	0	2.2	0.0	2.2	
						<b>ER-WR</b>	<b>39.4</b>	<b>0.5</b>	<b>38.9</b>
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	109.0	789.9	0.0	6.1	-6.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	414.1	0.0	9.8	-9.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	993.2	0.0	23.0	-23.0	
27	400 kV	TALCHER-I/C	D/C	896.1	1.0	1.0	10.9	-9.9	
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>39.0</b>	<b>-39.0</b>
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	500	0.0	6.8	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	149	221	0.0	0.3	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	122	0.0	2.5	-2	
						<b>ER-NER</b>	<b>0.0</b>	<b>9.6</b>	<b>-9.6</b>
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	1000	0.0	16.7	-16.7	
						<b>NER-NR</b>	<b>0.0</b>	<b>16.7</b>	<b>-16.7</b>
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	102	1283	0.0	11.5	-11.5	
34		V'CHAL B/B	D/C	240	53	0.8	1.4	-0.6	
35		APL -MHG	D/C	0	2269	0.0	47.0	-47.0	
36		GWALIOR-AGRA	D/C	0	1461	0.0	57.7	-57.7	
37	765 kV	PHAGI-GWALIOR	D/C	0	1571	0.0	29.7	-29.7	
38		JABALPUR-ORAI	D/C	0	0	0.0	0.0	0.0	
39		GWALIOR-ORAI	S/C	458	0	9.5	0.0	9.5	
40		SATNA-ORAI	S/C	0	1854	0.0	39.2	-39.2	
41		400 kV	ZERDA-KANKROLI	S/C	219	61	1.7	0.0	1.7
42			ZERDA -BHINMAL	S/C	156	63	1.0	0.0	1.0
43	V'CHAL -RIHAND		S/C	964	0	22.4	0.0	22.4	
44	RAPP-SHUJALPUR		D/C	0	775	0	30	-30	
45	220 kV	BADOD-KOTA	S/C	14	55	0.0	1.4	-1.4	
46		BADOD-MORAK	S/C	0	124	0.0	2.0	-2.0	
47		MEHGAON-AURAIYA	S/C	44	29	0.1	0.2	-0.1	
48	132kV	MALANPUR-AURAIYA	S/C	12	54	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>35.6</b>	<b>220.8</b>	<b>-185.2</b>
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	505	0.0	5.4	-5.4	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1638	455	13.6	0.0	13.6	
53		WARDHA-NIZAMABAD	D/C	0	2510	0.0	59.8	-59.8	
54	400 kV	KOLHAPUR-KUDGI	D/C	957	0	15.6	0.0	15.6	
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>29.2</b>	<b>65.2</b>	<b>-36.0</b>
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>31.7</b>	
59		NEPAL						<b>-6.3</b>	
60		BANGLADESH						<b>-13.8</b>	