



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: 18<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 17.07.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17 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 17<sup>th</sup> July 2018, is available at the NLDC website.

धन्यवाद,

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	54812	41857	39579	20174	2699	159122
Peak Shortage (MW)	1110	0	0	300	163	1573
Energy Met (MU)	1255	931	847	427	53	3513
Hydro Gen (MU)	316	18	83	100	26	543
Wind Gen (MU)	6	104	233	-----	-----	343
Solar Gen (MU)*	14.50	10.1	46.39	0.89	0.02	72
Energy Shortage (MU)	10.2	0.0	0.0	0.9	1.2	12.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	58035 22:37	42846 19:53	40287 19:52	21468 20:49	2659 18:55	163172 20:16

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	0.031	0.00	0.24	5.02	5.27	82.40	12.34

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	9821	0	222.8	135.4	-0.8	118	0.0	
	Haryana	9119	0	192.9	144.3	1.2	257	0.0	
	Rajasthan	8659	0	185.8	72.2	2.2	454	0.0	
	Delhi	6216	0	122.9	100.0	-2.8	107	0.1	
	UP	19101	0	412.6	202.7	1.6	302	0.0	
	Uttarakhand	2018	0	43.7	29.0	1.9	280	0.6	
	HP	1342	6	28.3	-0.6	4.6	461	0.0	
	J&K	2016	504	40.4	17.7	-2.8	121	9.6	
	Chandigarh	269	0	5.7	6.4	-0.8	30	0.0	
	WR	Chhattisgarh	3307	0	74.6	11.9	-1.8	375	0.0
Gujarat		11692	0	266.2	85.9	4.7	449	0.0	
MP		7530	0	165.8	82.9	0.4	422	0.0	
Maharashtra		17644	0	379.9	83.2	1.3	509	0.0	
Goa		351	0	9.5	8.4	0.4	50	0.0	
DD		338	0	7.4	6.2	1.2	82	0.0	
DNH		755	0	17.6	16.8	0.8	81	0.0	
Essar steel		514	0	10.1	10.0	0.1	305	0.0	
SR		Andhra Pradesh	7159	0	157.3	11.3	1.6	473	0.0
		Telangana	7468	0	157.3	76.6	-2.5	381	0.0
	Karnataka	8054	0	160.4	39.8	-6.0	322	0.0	
	Kerala	2983	0	55.2	26.5	1.0	236	0.0	
	Tamil Nadu	14711	0	309.0	106.6	-2.5	554	0.0	
	Pondy	369	0	7.8	8.4	-0.6	15	0.0	
	ER	Bihar	4887	0	89.8	88.2	-0.7	270	0.0
DVC		3331	0	68.6	-26.0	0.2	200	0.0	
Jharkhand		1168	0	22.3	16.5	-1.4	50	0.0	
Odisha		4080	0	77.2	34.9	3.4	750	0.9	
West Bengal		8446	0	168.2	48.1	3.5	480	0.0	
Sikkim		88	0	1.1	1.3	-0.2	15	0.0	
NER	Arunachal Pradesh	112	9	2.2	2.3	-0.1	0	0.0	
	Assam	1723	89	33.9	27.2	1.7	114	1.1	
	Manipur	170	3	2.4	2.6	-0.2	10	0.0	
	Meghalaya	318	0	6.2	0.9	-0.1	35	0.0	
	Mizoram	90	3	1.7	0.8	0.3	8	0.0	
	Nagaland	123	4	2.3	1.9	0.0	6	0.0	
	Tripura	265	1	4.4	4.5	-0.8	1	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.6	-6.4	-12.4
Day peak (MW)	1487.8	-362.4	-549.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	309.2	-278.9	26.7	-55.2	-1.8	0.0
Actual(MU)	313.4	-276.4	7.5	-50.9	-2.6	-8.9
O/D/U/D(MU)	4.3	2.5	-19.2	4.4	-0.8	-8.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4634	13990	8762	2180	127	29693
State Sector	6835	18815	11660	5915	50	43275
Total	11469	32805	20422	8095	177	72967

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	559	1009	381	395	8	2353
Hydro	316	18	85	100	26	545
Nuclear	27	30	45	0	0	102
Gas, Naptha & Diesel	25	44	24	0	25	118
RES (Wind, Solar, Biomass & Others)	32	114	313	1	0	460
Total	959	1215	848	496	59	3578

Share of RES in total generation (%)	3.32	9.38	36.92	0.24	0.06	12.87
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.09	13.34	52.27	20.40	43.39	30.95

H. Diversity Factor

All India Demand Diversity Factor	1.013
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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.

**INTER-REGIONAL EXCHANGES**

Date of Reporting : **18-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	511	0.0	9.8	-9.8	
2		SASARAM-FATEHPUR	S/C	212	60	1.7	0.0	1.7	
3		GAYA-BALIA	S/C	0	475	0.0	9.4	-9.4	
4		ALIPURDUAR-AGRA	-	0	687	0.0	17.1	-17.1	
5	400 kV	PUSAULI B/B	S/C	2	147	0.0	3.7	-3.7	
6		PUSAULI-VARANASI	S/C	0	131	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	14	78	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	871	0.0	16.3	-16.3	
9		PATNA-BALIA	Q/C	0	974	0.0	18.1	-18.1	
10		BIHARSHARIFF-BALIA	D/C	50	378	0.0	7.8	-7.8	
11		MOTIHARI-GORAKHPUR	D/C	282	2	5.0	0.0	5.0	
12		BIHARSHARIFF-VARANASI	D/C	697	0	0.0	2.1	-2.1	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	198	0.0	4.1	-4.1
14			SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV		GARWAH-RIHAND	S/C	35	0	0.3	0.0	0.3
16			KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>7.0</b>	<b>88.2</b>	<b>-81.2</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	556	10	9.2	0.0	9.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1006	0	18.5	0.0	18.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1191	0	22.5	0.0	22.5	
21		RANCHI-SIPAT	D/C	482	0	8.7	0.0	8.7	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	122	10	1.3	0.0	1.3	
23		BUDHIPADAR-KORBA	D/C	172	0	0.0	1.4	-1.4	
<b>ER-WR</b>						<b>60.2</b>	<b>1.4</b>	<b>58.9</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	106.0	1001.9	0.0	8.3	-8.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	504.1	0.0	9.9	-9.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	993.1	0.0	18.5	-18.5	
27	400 kV	TALCHER-I/C	D/C	878.8	0.8	0.0	15.9	-15.9	
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>36.6</b>	<b>-36.6</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	506	0.0	8.6	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	72	192	0.0	1.5	-1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	124	0.0	3.7	-4	
<b>ER-NER</b>						<b>0.0</b>	<b>13.7</b>	<b>-13.7</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	16.9	-16.9	
<b>NER-NR</b>						<b>0.0</b>	<b>16.9</b>	<b>-16.9</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2508	0.0	47.9	-47.9	
34		V'CHAL B/B	D/C	241	53	3.2	0.2	3.0	
35		APL -MHG	D/C	0	1899	0.0	32.9	-32.9	
36		765 kV	GWALIOR-AGRA	D/C	0	1451	0.0	56.0	-56.0
37	PHAGI-GWALIOR		D/C	0	1613	0.0	32.4	-32.4	
38	JABALPUR-ORAI		D/C	0	675	0.0	31.6	-31.6	
39	GWALIOR-ORAI		S/C	443	0	8.4	0.0	8.4	
40	SATNA-ORAI		S/C	0	1802	0.0	38.0	-38.0	
41	400 kV		ZERDA-KANKROLI	S/C	14	209	0.0	2.4	-2.4
42			ZERDA -BHINMAL	S/C	25	203	0.0	2.4	-2.4
43			V'CHAL -RIHAND	S/C	965	0	21.0	0.0	21.0
44			RAPP-SHUJALPUR	D/C	0	415	0	3	-3
45	220 kV		BADOD-KOTA	S/C	0	52	0.1	0.8	-0.7
46		BADOD-MORAK	S/C	0	120	0.0	1.5	-1.5	
47		MEHGAON-AURAIYA	S/C	29	31	0.1	0.3	-0.2	
48		MALANPUR-AURAIYA	S/C	0	56	0.0	0.9	-0.9	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>32.7</b>	<b>250.3</b>	<b>-217.6</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	222	113	1.2	1.8	-0.6	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1211	559	8.1	0.0	8.1	
53		WARDHA-NIZAMABAD	D/C	18	1492	0.0	15.4	-15.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	839	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	92	0	1.7	0.0	1.7	
<b>WR-SR</b>						<b>23.5</b>	<b>17.2</b>	<b>6.3</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>32.6</b>	
59		NEPAL						<b>-6.4</b>	
60		BANGLADESH						<b>-12.4</b>	