



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: 03<sup>rd</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 02.06.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 2 जुलाई 2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट राभाप्रेके 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 2<sup>nd</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

3-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	52288	44289	39878	18554	2623	157631
Peak Shortage (MW)	809	86	0	0	95	991
Energy Met (MU)	1188	1047	878	409	47	3570
Hydro Gen (MU)	329	17	51	89	26	512
Wind Gen (MU)	50	104	135	-----	-----	289
Solar Gen (MU)*	14.66	17.20	56.59	0.56	0.01	89
Energy Shortage (MU)	10.6	0.0	0.0	0.0	1.3	11.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54326 00:06	45981 15:49	40732 19:52	19497 20:19	2566 20:01	160357 19:53

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	0.036	0.00	0.29	6.71	7.00	77.48	15.52

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	10908	0	233.8	142.5	-0.4	92	0.0	
	Haryana	8679	88	186.0	149.6	0.8	274	0.4	
	Rajasthan	8834	162	188.2	30.8	4.6	604	0.9	
	Delhi	6128	0	119.9	97.4	-1.4	254	0.0	
	UP	17456	10	351.6	169.5	1.6	361	0.0	
	Uttarakhand	1784	0	38.8	10.6	0.3	169	0.0	
	HP	1311	0	24.3	-1.5	2.4	274	0.0	
	J&K	2165	541	39.3	20.5	-6.3	164	9.3	
	Chandigarh	321	0	6.2	6.6	-0.3	42	0.0	
	WR	Chhattisgarh	3539	0	78.2	20.2	-0.6	147	0.0
Gujarat		15084	0	328.0	107.9	4.4	922	0.0	
MP		7762	0	167.9	59.0	0.6	312	0.0	
Maharashtra		19581	0	429.3	117.9	-2.3	687	0.0	
Goa		373	0	8.5	8.6	-0.6	21	0.0	
DD		321	0	7.0	6.3	0.7	64	0.0	
DNH		748	0	17.3	16.5	0.9	76	0.0	
Essar steel		563	0	11.0	10.2	0.9	201	0.0	
SR		Andhra Pradesh	7309	0	162.9	29.8	1.0	480	0.0
		Telangana	7560	0	163.4	81.8	-1.1	453	0.0
	Karnataka	8543	0	183.0	61.1	1.3	468	0.0	
	Kerala	3402	0	66.4	44.6	0.5	181	0.0	
	Tamil Nadu	13861	0	295.2	125.1	0.2	493	0.0	
	Pondy	361	0	7.3	7.7	-0.4	33	0.0	
	ER	Bihar	4202	0	74.9	75.8	-3.7	250	0.0
		DVC	3095	0	68.3	-26.7	-0.3	300	0.0
		Jharkhand	985	0	22.7	17.0	0.0	50	0.0
		Odisha	4160	0	83.1	39.2	3.2	500	0.0
West Bengal		7574	0	159.2	45.3	1.4	350	0.0	
Sikkim		82	0	1.1	1.5	-0.4	0	0.0	
NER	Arunachal Pradesh	119	3	2.2	3.0	-0.7	0	0.0	
	Assam	1655	43	28.9	23.6	0.3	152	1.1	
	Manipur	168	2	2.3	2.7	-0.4	30	0.0	
	Meghalaya	296	0	5.4	0.6	0.0	38	0.0	
	Mizoram	80	1	1.5	1.1	-0.1	35	0.0	
	Nagaland	125	3	2.2	2.2	-0.2	20	0.0	
	Tripura	255	1	4.4	4.3	-0.3	29	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	29.4	-2.2	-14.9
Day peak (MW)	1410.2	-280.3	-644.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	251.2	-234.6	75.8	-90.7	-1.1	0.6
Actual(MU)	253.0	-235.2	77.4	-94.0	-5.5	-4.3
O/D/U/D(MU)	1.8	-0.6	1.6	-3.2	-4.4	-4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6558	15314	8572	715	168	31327
State Sector	7470	16366	9370	5545	50	38801
Total	14028	31680	17942	6260	218	70127

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	500	1078	467	430	8	2483
Hydro	329	17	52	89	26	513
Nuclear	27	26	45	0	0	98
Gas, Naptha & Diesel	30	51	19	0	22	122
RES (Wind, Solar, Biomass & Others)	76	121	228	1	0	425
Total	962	1292	812	520	56	3641

Share of RES in total generation (%)	7.87	9.35	28.07	0.11	0.04	11.67
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	44.87	12.64	40.03	17.18	47.07	28.44

H. Diversity Factor

All India Demand Diversity Factor	1.017
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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 कें०)

**INTER-REGIONAL EXCHANGES**

Date of Reporting : **3-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	613	0.0	10.2	-10.2	
2		SASARAM-FATEHPUR	S/C	163	143	0.0	0.1	-0.1	
3		GAYA-BALIA	S/C	0	389	0.0	6.8	-6.8	
4		ALIPURDUAR-AGRA	-	542	789	4.8	6.9	-2.1	
5	HVDC	PUSAULI B/B	S/C	0	378	0.0	9.2	-9.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	256	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	195	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	882	0.0	16.8	-16.8	
9		PATNA-BALIA	Q/C	0	1154	0.0	21.5	-21.5	
10		BIHARSHARIFF-BALIA	D/C	0	443	0.0	8.4	-8.4	
11		MOTIHARI-GORAKHPUR	D/C	216	11	2.2	0.0	2.2	
12		BIHARSHARIFF-VARANASI	D/C	962	0	0.0	5.0	-5.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	2	172	0.0	2.2	-2.2	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.5	0.0	0.5	
15		GARWAH-RIHAND	S/C	35	0	0.3	0.0	0.3	
16		KARMANASA-SAHUPURI	S/C	0	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>7.8</b>	<b>87.0</b>	<b>-79.2</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	904	0	14.9	0.0	14.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	518	331	5.8	0.0	5.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	922	0	13.8	0.0	13.8	
21		RANCHI-SIPAT	D/C	321	47	4.4	0.0	4.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	77	51	0.1	0.0	0.1	
23		BUDHIPADAR-KORBA	D/C	138	0	2.5	0.0	2.5	
<b>ER-WR</b>						<b>41.4</b>	<b>0.0</b>	<b>41.4</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1346.8	0.0	19.6	-19.6	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	625.5	0.0	9.7	-9.7	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1975.3	0.0	35.0	-35.0	
27	400 kV	TALCHER-I/C	D/C	958.7	0.8	0.9	11.6	-10.7	
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>64.4</b>	<b>-64.4</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	422	0.0	5.3	-5	
30		ALIPURDUAR-BONGAIGAON	D/C	93	333	0.0	2.1	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	142	0.0	2.9	-3	
<b>ER-NER</b>						<b>0.0</b>	<b>10.3</b>	<b>-10.3</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	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	3	1650	0.0	28.6	-28.6	
34		V'CHAL B/B	D/C	0	250	5.7	0.0	5.7	
35		APL -MHG	D/C	0	1212	0.0	25.6	-25.6	
36		GWALIOR-AGRA	D/C	0	2582	0.0	51.3	-51.3	
37	765 kV	PHAGI-GWALIOR	D/C	0	1616	0.0	21.1	-21.1	
38		JABALPUR-ORAI	D/C	0	1389	0.0	25.9	-25.9	
39		GWALIOR-ORAI	S/C	0	1600	7.2	0.0	7.2	
40		SATNA-ORAI	S/C	397	0	0.0	35.3	-35.3	
41		400 kV	ZERDA-KANKROLI	S/C	351	20	3.2	0.0	3.2
42			ZERDA -BHINMAL	S/C	343	0	3.8	0.0	3.8
43	V'CHAL -RIHAND		S/C	965	0	20.9	0.0	20.9	
44	RAPP-SHUJALPUR		D/C	3	267	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	27	88	0.0	0.9	-0.9	
46		BADOD-MORAK	S/C	0	96	0.0	1.4	-1.4	
47		MEHGAON-AURAIYA	S/C	39	22	0.1	0.2	0.0	
48	132kV	MALANPUR-AURAIYA	S/C	13	42	0.0	0.6	-0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>40.9</b>	<b>192.8</b>	<b>-151.8</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	15.4	-15.4	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	292	1376	0.0	13.2	-13.2	
53		WARDHA-NIZAMABAD	D/C	0	1945	0.0	27.5	-27.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	806	0	13.2	0.0	13.2	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	74	0	1.5	0.0	1.5	
<b>WR-SR</b>						<b>14.7</b>	<b>56.2</b>	<b>-41.5</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>29.4</b>	
59		NEPAL						<b>-2.2</b>	
60		BANGLADESH						<b>-14.9</b>	