



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: 04<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 03.06.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 3 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 3<sup>rd</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

4-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	51697	42219	40130	19407	2506	155960
Peak Shortage (MW)	822	42	0	0	212	1076
Energy Met (MU)	1164	1016	870	399	47	3496
Hydro Gen (MU)	332	13	48		29	515
Wind Gen (MU)	52	138	152			342
Solar Gen (MU)*	15.16	14.76	49.76	0.41	0.01	80
Energy Shortage (MU)	9.6	0.0	0.0	0.0	1.6	11.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55066 22:13	44025 11:06	41418 19:27	20048 20:21	2513 19:29	159810 20:26

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	0.026	0.00	0.00	2.84	2.84	78.67	18.50

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	9707	0	193.3	120.5	-6.0	153	0.0	
	Haryana	9004	0	188.0	142.8	1.0	302	0.0	
	Rajasthan	9204	151	206.8	47.8	5.0	501	0.4	
	Delhi	5968	0	117.3	93.1	-1.3	190	0.1	
	UP	17460	420	352.4	164.3	1.8	287	0.0	
	Uttarakhand	1915	0	39.1	10.4	0.8	172	0.0	
	HP	1286	0	23.9	-3.2	2.3	182	0.0	
	J&K	2029	507	38.4	19.5	-6.3	143	9.1	
	Chandigarh	250	0	5.3	6.1	-0.8	3	0.0	
	WR	Chhattisgarh	3479	0	82.2	25.6	-0.8	188	0.0
Gujarat		13573	0	304.4	85.5	2.4	500	0.0	
MP		7517	0	168.7	63.0	-2.0	456	0.0	
Maharashtra		18730	0	416.2	112.9	1.4	389	0.0	
Goa		444	0	9.1	9.2	-0.1	42	0.0	
DD		327	0	7.2	6.3	0.9	77	0.0	
DNH		753	0	17.5	16.6	0.8	61	0.0	
Essar steel		524	0	10.7	9.5	1.2	245	0.0	
SR		Andhra Pradesh	6940	0	156.3	19.8	1.0	465	0.0
		Telangana	7672	0	164.1	87.6	0.2	333	0.0
	Karnataka	8684	0	188.4	58.6	0.7	482	0.0	
	Kerala	3476	0	68.0	44.9	0.9	150	0.0	
	Tamil Nadu	13909	0	285.4	120.7	-0.6	394	0.0	
	Pondy	366	0	7.7	8.0	-0.4	51	0.0	
ER	Bihar	4229	0	76.2	77.1	-3.0	210	0.0	
	DVC	2900	0	68.4	-24.2	-0.4	220	0.0	
	Jharkhand	935	0	21.5	16.2	-0.5	80	0.0	
	Odisha	4099	0	76.0	34.7	1.9	220	0.0	
	West Bengal	8460	0	155.5	39.5	2.2	225	0.0	
	Sikkim	85	0	1.3	1.5	-0.2	12	0.0	
NER	Arunachal Pradesh	112	2	2.3	3.1	-0.8	0	0.0	
	Assam	1589	109	29.7	23.6	0.5	152	1.4	
	Manipur	160	2	2.4	2.7	-0.4	30	0.0	
	Meghalaya	293	0	5.1	0.3	-0.1	38	0.0	
	Mizoram	87	1	1.5	1.1	-0.1	35	0.0	
	Nagaland	110	2	2.1	2.2	-0.3	20	0.0	
	Tripura	246	12	4.0	4.3	-0.7	29	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.5	-3.7	-14.5
Day peak (MW)	1432.4	-269.4	-642.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	234.1	-219.0	78.3	-89.2	-3.3	0.9
Actual(MU)	227.6	-219.7	80.5	-73.4	-8.1	6.9
O/D/U/D(MU)	-6.5	-0.7	2.2	15.8	-4.8	6.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5238	14744	8572	715	118	29387
State Sector	7830	18147	8980	5545	50	40552
Total	13068	32891	17552	6260	168	69938

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	490	1004	455	412	7	2368
Hydro	332	13	49	93	29	517
Nuclear	27	26	45	0	0	98
Gas, Naptha & Diesel	32	49	21	0	22	124
RES (Wind, Solar, Biomass & Others)	77	153	231	1	0	461
Total	959	1245	801	506	58	3568

Share of RES in total generation (%)	8.03	12.29	28.79	0.11	0.02	12.92
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	45.51	15.40	40.60	18.54	50.31	30.16

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(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 : **4-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	516	0.0	7.4	-7.4	
2		SASARAM-FATEHPUR	S/C	147	51	1.1	0.0	1.1	
3		GAYA-BALIA	S/C	0	383	0.0	5.9	-5.9	
4		ALIPURDUAR-AGRA	-	0	677	0.0	12.3	-12.3	
5	400 kV	PUSAULI B/B	S/C	0	378	0.0	9.1	-9.1	
6		PUSAULI-VARANASI	S/C	0	251	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	189	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	781	0.0	15.9	-15.9	
9		PATNA-BALIA	Q/C	0	1010	0.0	18.1	-18.1	
10		BIHARSHARIFF-BALIA	D/C	0	411	0.0	7.5	-7.5	
11		MOTIHARI-GORAKHPUR	D/C	307	1	3.2	0.0	3.2	
12		BIHARSHARIFF-VARANASI	D/C	888	0	0.0	3.0	-3.0	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	180	0.0	3.7	-3.7
14			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	132 kV	KARMANASA-SAHUPURI	S/C	0	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>4.6</b>	<b>82.9</b>	<b>-78.3</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1046	5	27.8	0.0	27.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	589	208	7.3	0.0	7.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1020	0	16.6	0.0	16.6	
21		RANCHI-SIPAT	D/C	298	4	4.4	0.0	4.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	81	62	0.0	0.2	-0.2	
23		BUDHIPADAR-KORBA	D/C	139	0	2.3	0.0	2.3	
<b>ER-WR</b>						<b>58.3</b>	<b>0.2</b>	<b>58.1</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1218.8	0.0	17.2	-17.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.3	598.2	0.0	9.1	-9.1	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1975.4	0.0	42.0	-42.0	
27	400 kV	TALCHER-I/C	D/C	704.2	0.8	0.3	8.1	-7.7	
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>68.3</b>	<b>-68.3</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	405	0.0	4.5	-5	
30		ALIPURDUAR-BONGAIGAON	D/C	153	139	0.3	0.0	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	101	0.0	1.4	-1	
<b>ER-NER</b>						<b>0.3</b>	<b>6.0</b>	<b>-5.6</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	15.4	-15.4	
<b>NER-NR</b>						<b>0.0</b>	<b>15.4</b>	<b>-15.4</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	32	1460	0.0	25.1	-25.1	
34		V'CHAL B/B	D/C	0	250	6.1	0.0	6.1	
35		APL -MHG	D/C	0	1412	0.0	22.9	-22.9	
36		765 kV	GWALIOR-AGRA	D/C	0	2678	0.0	43.5	-43.5
37			PHAGI-GWALIOR	D/C	0	1520	0.0	22.2	-22.2
38			JABALPUR-ORAI	D/C	0	1442	0.0	21.7	-21.7
39			GWALIOR-ORAI	S/C	0	1666	7.4	0.0	7.4
40		SATNA-ORAI	S/C	426	0	0.0	33.2	-33.2	
41		400 kV	ZERDA-KANKROLI	S/C	283	128	1.9	0.0	1.9
42			ZERDA -BHINMAL	S/C	293	87	2.6	0.0	2.6
43	V'CHAL -RIHAND		S/C	954	0	18.9	0.0	18.9	
44	RAPP-SHUJALPUR		D/C	36	226	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>37.1</b>	<b>173.2</b>	<b>-136.1</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	800	0.0	16.4	-16.4	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	804	1268	0.0	7.6	-7.6	
53		WARDHA-NIZAMABAD	D/C	0	1739	0.0	26.1	-26.1	
54	400 kV	KOLHAPUR-KUDGI	D/C	965	0	13.6	0.0	13.6	
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	74	0	1.5	0.0	1.5	
<b>WR-SR</b>						<b>15.1</b>	<b>50.2</b>	<b>-35.1</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>32.5</b>	
59		NEPAL						<b>-3.7</b>	
60		BANGLADESH						<b>-14.5</b>	