



**National Load Despatch Centre**

राष्ट्रीय भार प्रेषण केंद्र

**POWER SYSTEM OPERATION CORPORATION LIMITED**

पाँवर 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 सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 07<sup>th</sup> June 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 06.06.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-जून 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 06<sup>th</sup> June 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

7-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52651	46033	39841	20868	2544	161937
Peak Shortage (MW)	970	215	0	0	146	1331
Energy Met (MU)	1172	1132	864	463	49	3680
Hydro Gen (MU)	317	20	38	83	17	474
Wind Gen (MU)	25	86	136	-----	-----	246
Solar Gen (MU)*	15.78	18.77	52.76	0.86	0.03	88
Energy Shortage (MU)	12.7	0.0	0.0	0.0	1.6	14.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56645 21:09	50833 15:41	40984 19:28	21911 21:35	2614 19:21	167048 21:05

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	0.050	0.00	1.69	12.67	14.36	74.84	10.80

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	7593	0	139.5	81.9	-6.8	187	0.0	
	Harvana	7945	0	160.3	108.4	2.8	796	0.1	
	Rajasthan	10606	0	236.1	78.0	4.6	773	2.2	
	Delhi	6372	0	129.5	104.6	-2.4	254	1.0	
	UP	18456	570	393.9	174.4	1.2	442	0.0	
	Uttarakhand	2082	0	40.4	18.5	-1.3	164	0.0	
	HP	1393	0	26.3	2.1	1.8	314	0.0	
	J&K	2149	537	40.1	16.9	-1.5	237	9.5	
	Chandigarh	266	0	5.7	6.6	-0.9	12	0.0	
	WR	Chhattisgarh	3524	0	81.3	19.8	-1.1	62	0.0
Gujarat		16717	0	365.1	152.7	4.3	484	0.0	
MP		8034	0	183.2	84.7	-4.9	350	0.0	
Maharashtra		20882	0	459.1	132.1	0.3	395	0.0	
Goa		495	0	10.6	9.9	-0.1	18	0.0	
DD		350	0	7.9	7.3	0.6	53	0.0	
DNH		782	0	18.3	18.0	0.4	54	0.0	
Essar steel		393	0	6.6	6.1	0.5	191	0.0	
SR		Andhra Pradesh	7564	0	162.6	38.7	-0.6	631	0.0
		Telangana	8275	0	148.6	78.4	-0.3	397	0.0
	Karnataka	7641	0	161.9	49.3	-0.7	455	0.0	
	Kerala	3528	0	69.3	50.6	0.3	280	0.0	
	Tamil Nadu	13706	0	314.0	105.9	-1.3	474	0.0	
	Pondy	363	0	7.9	8.3	-0.4	35	0.0	
ER	Bihar	4964	0	98.6	94.1	1.6	200	0.0	
	DVC	3044	0	70.1	-46.2	0.7	480	0.0	
	Jharkhand	1141	0	24.7	18.0	0.8	110	0.0	
	Odisha	4547	0	91.0	39.8	0.1	250	0.0	
	West Bengal	8555	0	177.4	47.8	3.6	290	0.0	
NER	Sikkim	83	0	1.2	1.3	-0.1	10	0.0	
	Arunachal Pradesh	108	7	2.5	2.2	0.3	30	0.1	
	Assam	1640	81	30.7	26.2	0.4	146	1.4	
	Manipur	166	5	2.3	2.3	0.0	24	0.0	
	Meghalaya	311	4	5.0	2.8	-0.3	26	0.0	
	Mizoram	83	4	1.4	1.0	0.2	18	0.0	
	Nagaland	114	4	2.3	1.9	0.3	18	0.0	
	Tripura	265	7	4.9	4.4	1.1	79	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	13.5	-8.8	-10.7
Day peak (MW)	691.6	-511.3	-685.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	211.2	-198.1	47.6	-64.3	4.6	1.0
Actual(MU)	207.0	-197.2	34.9	-50.3	4.7	-0.9
O/D/U/D(MU)	-4.2	0.9	-12.6	13.9	0.1	-1.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4768	11769	7512	1350	171	25570
State Sector	7360	14595	6443	5505	50	33953
Total	12128	26364	13955	6855	221	59523

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	557	1143	523	452	9	2685
Hydro	317	20	39	83	17	475
Nuclear	31	28	46	0	0	105
Gas, Naptha & Diesel	30	52	12	0	22	116
RES (Wind, Solar, Biomass & Others)	54	105	220	1	0	381
Total	989	1348	841	536	49	3762

Share of RES in total generation (%)	5.44	7.80	26.22	0.27	0.10	10.12
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.67	11.35	36.34	15.71	34.81	25.56

H. Diversity Factor

All India Demand Diversity Factor	1.036
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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(ग्रिडिंग)/अध्यक्ष एवं प्रबंध निदेशक (पोसीको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	7-Jun-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	9	395	0.0	3.5	-3.5	
2		SASARAM-FATEHPUR	S/C	181	7	1.4	0.0	1.4	
3		GAYA-BALIA	S/C	0	485	0.0	7.7	-7.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	287	0.0	12.2	-12.2	
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	101	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	41	25	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	18	376	0.0	4.0	-4.0	
9		PATNA-BALIA	Q/C	0	606	0.0	12.1	-12.1	
10		BIHARSHARIFF-BALIA	D/C	0	305	0.0	4.4	-4.4	
11		MOTIHARI-GORAKHPUR	D/C	7	201	0.0	3.4	-3.4	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	197	79	0.6	0.0	0.6	
13		PUSAULI-SAHUPURI	S/C	0	209	0.0	4.4	-4.4	
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	53	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						<b>ER-NR</b>	<b>2.4</b>	<b>52.8</b>	<b>-50.4</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	975	0	17.6	0.0	17.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	585	0	7.8	0.0	7.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	970	0	17.2	0.0	17.2	
21		RANCHI-SIPAT	D/C	334	0	5.0	0.0	5.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	80	26	0.7	0.0	0.7	
23		BUDHIPADAR-KORBA	D/C	122	0	2.1	0.0	2.1	
						<b>ER-WR</b>	<b>50.4</b>	<b>0.0</b>	<b>50.4</b>
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1299.8	0.0	22.1	-22.1	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	580.5	0.0	13.3	-13.3	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1969.8	0.0	42.4	-42.4	
27	400 kV	TALCHER-I/C	D/C	976.6	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>77.8</b>	<b>-77.8</b>
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	542	0.0	9.1	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	0	302	0.0	3.6	-4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	133	0.0	2.0	-2	
						<b>ER-NER</b>	<b>0.0</b>	<b>14.7</b>	<b>-14.7</b>
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	0.0	10.8	-10.8	
						<b>NER-NR</b>	<b>0.0</b>	<b>10.8</b>	<b>-10.8</b>
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	98	1703	0.0	35.2	-35.2	
34		V'CHAL B/B	D/C	250	0	0.0	5.3	-5.3	
35		APL -MHG	D/C	0	2518	0.0	44.2	-44.2	
36	765 kV	GWALIOR-AGRA	D/C	0	1667	0.0	26.2	-26.2	
37		PHAGI-GWALIOR	D/C	0	1428	0.0	22.0	-22.0	
38		JABALPUR-ORAI	D/C	0	970	0.0	13.5	-13.5	
39		GWALIOR-ORAI	S/C	0	2004	8.0	0.0	8.0	
40		SATNA-ORAI	S/C	425	0	0.0	41.9	-41.9	
41	400 kV	ZERDA-KANKROLI	S/C	665	0	8.4	0.0	8.4	
42		ZERDA -BHINMAL	S/C	615	0	7.0	0.0	7.0	
43		V'CHAL -RIHAND	S/C	949	0	20.4	0.0	20.4	
44		RAPP-SHUJALPUR	D/C	99	410	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	58	0	0.3	0.0	0.3	
46		BADOD-MORAK	S/C	85	117	0.2	0.6	-0.4	
47		MEHGAON-AURAIYA	S/C	45	28	0.2	0.2	0.0	
48	132kV	MALANPUR-AURAIYA	S/C	14	50	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>44.5</b>	<b>191.3</b>	<b>-146.7</b>
<b>Import/Export of WR (With SR)</b>									
50	HVDC LINK	BHADRAWATI B/B	-	0	0	0.0	0.0	0.0	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1072	790	4.6	0.0	4.6	
53		WARDHA-NIZAMABAD	D/C	0	1955	0.0	26.6	-26.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	1109	0	20.1	0.0	20.1	
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	108	0	2.1	0.0	2.1	
						<b>WR-SR</b>	<b>26.8</b>	<b>26.6</b>	<b>0.2</b>
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						13.5	
59		NEPAL						-8.8	
60		BANGLADESH						-10.7	