



**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: 02<sup>nd</sup> June 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033  
Executive Director, 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. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई -400093  
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक , द.क्षे.भा.प्रे.के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 01.06.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-जून-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 01<sup>st</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

2-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	44888	45922	40027	17771	2466	151073
Peak Shortage (MW)	597	70	0	0	141	808
Energy Met (MU)	1199	1158	916	407	47	3727
Hydro Gen (MU)	256	26	55	66	18	421
Wind Gen (MU)	46	53	67	-----	-----	166
Solar Gen (MU)*	18.63	18.78	51.54	0.78	0.02	90
Energy Shortage (MU)	11.2	1.2	0.0	0.0	1.1	13.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57050 00:05	53367 14:50	41953 14:38	19450 00:02	2483 21:18	166417 14:40

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	0.041	0.06	1.31	4.06	5.43	73.16	21.41

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	8822	0	177.6	94.1	-7.3	128	0.0
	Haryana	8158	75	161.1	96.6	-4.5	625	0.8
	Rajasthan	10947	0	244.9	66.3	-0.6	527	0.9
	Delhi	6570	0	130.3	102.2	-2.1	143	0.0
	UP	18357	0	380.9	173.7	0.5	562	0.0
	Uttarakhand	1951	0	38.8	19.7	-3.2	112	0.0
	HP	1391	0	23.8	5.7	-1.7	284	1.0
	J&K	1852	463	36.0	18.4	-7.0	91	8.5
WR	Chandigarh	346	0	5.9	6.2	-0.3	59	0.0
	Chhattisgarh	3421	0	82.2	20.2	-1.2	306	0.0
	Gujarat	16640	0	367.8	170.1	5.7	649	0.0
	MP	8530	0	191.8	108.8	-1.3	431	0.0
	Maharashtra	22193	0	472.5	134.7	-3.3	681	1.2
	Goa	482	0	10.9	10.0	0.4	86	0.0
	DD	343	0	7.7	6.7	1.0	76	0.0
	DNH	755	0	17.6	17.2	0.4	74	0.0
SR	Essar steel	385	0	7.1	6.7	0.4	190	0.0
	Andhra Pradesh	8618	0	179.3	61.5	2.9	470	0.0
	Telangana	7206	0	152.8	45.7	2.0	490	0.0
	Karnataka	8120	0	171.4	44.7	0.8	462	0.0
	Kerala	3602	0	71.5	45.5	1.3	266	0.0
	Tamil Nadu	14438	0	332.5	128.1	-0.2	495	0.0
	Pondy	381	0	8.4	8.6	-0.1	42	0.0
	Bihar	4553	0	72.4	75.4	-5.4	190	0.0
ER	DVC	3055	0	68.5	-53.0	1.4	225	0.0
	Jharkhand	985	0	20.5	16.4	-0.9	85	0.0
	Odisha	4567	0	95.0	39.2	1.7	250	0.0
	West Bengal	7807	0	149.8	44.2	1.3	250	0.0
	Sikkim	88	0	1.3	1.3	0.0	15	0.0
NER	Arunachal Pradesh	116	2	2.3	2.3	0.0	52	0.0
	Assam	1605	98	29.6	23.6	2.1	204	0.9
	Manipur	158	2	2.3	1.7	0.6	29	0.0
	Meghalaya	297	0	4.9	1.2	0.2	43	0.0
	Mizoram	88	2	1.5	1.1	0.2	19	0.0
	Nagaland	114	2	2.0	1.8	0.1	21	0.0
	Tripura	223	6	4.1	3.3	-0.1	37	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	9.9	-8.4	-15.0
Day peak (MW)	388.2	-277.2	-681.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	238.2	-174.1	-2.2	-61.1	-1.6	-0.8
Actual(MU)	230.0	-178.0	2.2	-57.3	0.9	-2.2
O/D/U/D(MU)	-8.2	-3.9	4.3	3.8	2.5	-1.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4943	11838	7262	1560	589	26192
State Sector	8090	15514	5053	5715	50	34422
Total	13033	27352	12315	7275	638	60613

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	602	1165	648	427	11	2853
Hydro	256	26	56	66	18	422
Nuclear	31	30	45	0	0	106
Gas, Naptha & Diesel	38	51	20	0	20	129
RES (Wind, Solar, Biomass & Others)	83	72	157	1	0	314
Total	1010	1343	928	494	49	3825

Share of RES in total generation (%)	8.25	5.33	16.96	0.26	0.07	8.20
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.66	9.46	27.96	13.69	36.70	22.03

H. Diversity Factor

All India Demand Diversity Factor	1.047
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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-के०वि०प्रा०(ग्रि०प्रा०)/  
अध्यक्ष एवं प्रबंध निदेशक(पोसीको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

<b>INTER-REGIONAL EXCHANGES</b>								Date of Reporting : <b>2-Jun-18</b>
SI 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	11	388	0.0	6.4	-6.4
2		SASARAM-FATEHPUR	S/C	292	246	0.0	2.2	-2.2
3	HVDC	GAYA-BALIA	S/C	0	564	0.0	10.5	-10.5
4		ALIPURDUAR-AGRA	-	0	286	0.0	11.9	-11.9
5		PUSAULI B/B	S/C	106	47	2.1	0.0	2.1
6	400 kV	PUSAULI-VARANASI	S/C	98	75	0.0	0.0	0.0
7		PUSAULI-ALLAHABAD	S/C	98	29	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	111	553	0.0	7.4	-7.4
9		PATNA-BALIA	Q/C	0	553	0.0	9.9	-9.9
10		BIHARSHARIFF-BALIA	D/C	4	374	0.0	4.9	-4.9
11		MOTIHARI-GORAKHPUR	D/C	5	195	0.0	3.0	-3.0
12	BIHARSHARIFF-VARANASI	D/C	140	207	0.0	2.0	-2.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	191	0.0	3.8	-3.8
14	132 kV	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		KARMANASA-SAHUPURI	S/C	110	130	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>62.0</b>	<b>-59.6</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	873	168	6.1	0.0	6.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	533	204	3.6	0.0	3.6
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	827	0	10.2	0.0	10.2
21		RANCHI-SIPAT	D/C	262	16	2.8	0.0	2.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	112	0	2.4	0.0	2.4
23		BUDHIPADAR-KORBA	D/C	66	0	2.2	0.0	2.2
<b>ER-WR</b>						<b>27.2</b>	<b>0.0</b>	<b>27.2</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1439.8	0.0	22.9	-22.9
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	579.1	0.0	13.5	-13.5
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	891.4	0.0	16.9	-16.9
27	400 kV	TALCHER-I/C	D/C	888.2	0.8	0.0	13.0	-13.0
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>53.3</b>	<b>-53.3</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	487	0.0	7.9	-8
30		ALIPURDUAR-BONGAIGAON	D/C	49	237	0.0	1.7	-2
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	180	0.0	2.2	-2
<b>ER-NER</b>						<b>0.0</b>	<b>11.9</b>	<b>-11.9</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	12.0	-12.0
<b>NER-NR</b>						<b>0.0</b>	<b>12.0</b>	<b>-12.0</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	114	1323	0.0	53.8	-53.8
34		V'CHAL B/B	D/C	250	50	0.1	5.0	-4.9
35	765 kV	APL -MHG	D/C	0	1413	0.0	30.6	-30.6
36		GWALIOR-AGRA	D/C	0	1175	0.0	23.1	-23.1
37		PHAGI-GWALIOR	D/C	0	1538	0.0	27.9	-27.9
38		JABALPUR-ORAI	D/C	0	1198	0.0	18.5	-18.5
39		GWALIOR-ORAI	S/C	456	0	7.2	0.0	7.2
40		SATNA-ORAI	S/C	0	1988	0.0	42.3	-42.3
41	400 kV	ZERDA-KANKROLI	S/C	535	0	10.0	0.0	10.0
42		ZERDA -BHINMAL	S/C	571	0	9.0	0.0	9.0
43		V'CHAL -RIHAND	S/C	962	0	20.1	0.0	20.1
44		RAPP-SHUJALPUR	D/C	113	145	0	0	0
45	220 kV	BADOD-KOTA	S/C	87	0	1.1	0.0	1.1
46		BADOD-MORAK	S/C	29	36	0.1	0.3	-0.2
47		MEHGAON-AURAIYA	S/C	26	20	0.2	0.1	0.1
48		MALANPUR-AURAIYA	S/C	0	52	0.0	0.6	-0.6
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>47.7</b>	<b>202.2</b>	<b>-154.5</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	500	0.0	4.5	-4.5
51	LINK	BARSUR-L. SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	900	0.0	6.3	-6.3
53		WARDHA-NIZAMABAD	D/C	0	1907	0.0	16.4	-16.4
54	400 kV	KOLHAPUR-KUDGI	D/C	1269	0	23.8	0.0	23.8
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	73	0	1.5	0.0	1.5
<b>WR-SR</b>						<b>25.4</b>	<b>27.1</b>	<b>-1.8</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>9.9</b>
59		NEPAL						<b>-8.4</b>
60		BANGLADESH						<b>-15.0</b>