



**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 सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 03<sup>rd</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 02.06.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02<sup>nd</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

3-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	49738	44957	38083	19602	2542	154923
Peak Shortage (MW)	869	52	0	0	119	1040
Energy Met (MU)	1074	1123	855	415	47	3515
Hydro Gen (MU)	277	16	41	72	18	424
Wind Gen (MU)	46	68	85	-----	-----	199
Solar Gen (MU)*	16.08	17.92	39.64	0.88	0.02	75
Energy Shortage (MU)	9.3	0.4	0.0	0.0	1.2	10.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53462 23:26	52332 14:58	39204 19:25	21008 20:29	2627 19:07	161425 23:29

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	0.023	0.00	0.00	2.52	2.52	82.70	14.78

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	7933	0	164.1	90.9	-0.6	120	0.0
	Haryana	7538	66	143.5	104.5	1.8	350	0.0
	Rajasthan	11254	0	242.6	66.4	5.2	611	0.0
	Delhi	5686	0	118.3	92.0	-0.4	245	0.0
	UP	16124	360	302.2	152.6	-0.8	396	0.0
	Uttarakhand	1956	0	35.1	19.6	0.7	299	0.0
	HP	1248	0	23.7	4.3	-0.7	58	0.0
	J&K	2036	509	39.2	17.6	-3.1	135	9.2
Chandigarh	257	0	5.3	6.4	-1.0	0	0.0	
WR	Chhattisgarh	3390	0	75.6	17.9	-2.0	175	0.0
	Gujarat	16750	0	363.0	168.6	3.4	734	0.0
	MP	8420	0	180.2	98.6	-3.2	519	0.0
	Maharashtra	21271	56	461.9	134.7	-2.0	731	0.4
	Goa	484	0	10.5	9.9	0.0	41	0.0
	DD	338	0	7.6	6.8	0.8	81	0.0
	DNH	772	0	18.0	17.5	0.5	80	0.0
	Essar steel	339	0	6.6	6.3	0.3	185	0.0
SR	Andhra Pradesh	7560	0	162.6	59.6	-2.5	469	0.0
	Telangana	6740	0	143.5	52.5	-2.0	433	0.0
	Karnataka	7581	0	157.4	50.3	-0.7	350	0.0
	Kerala	3459	0	70.8	48.2	1.1	239	0.0
	Tamil Nadu	13742	0	312.8	123.9	0.5	888	0.0
	Pondy	381	0	8.2	8.4	-0.2	34	0.0
ER	Bihar	4699	0	86.0	81.9	1.5	220	0.0
	DVC	3100	0	70.2	-50.2	0.0	225	0.0
	Jharkhand	940	0	20.9	16.1	-0.9	80	0.0
	Odisha	4397	0	90.5	38.7	1.2	250	0.0
	West Bengal	8108	0	146.4	30.4	2.1	250	0.0
	Sikkim	80	0	1.2	1.3	-0.1	15	0.0
NER	Arunachal Pradesh	120	2	1.9	2.1	-0.2	52	0.0
	Assam	1625	66	29.9	23.8	2.3	204	1.0
	Manipur	155	3	2.3	1.8	0.5	29	0.0
	Meghalaya	295	0	4.9	1.2	0.2	43	0.0
	Mizoram	90	1	1.2	0.8	0.3	19	0.0
	Nagaland	116	2	2.0	1.7	0.2	21	0.0
	Tripura	252	4	4.6	2.7	1.0	37	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.3	-8.0	-13.6
Day peak (MW)	577.7	-263.5	-672.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	201.5	-154.6	38.1	-83.9	-0.3	0.8
Actual(MU)	202.5	-160.7	29.4	-72.5	3.7	2.4
O/D/U/D(MU)	1.0	-6.1	-8.7	11.5	4.0	1.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3943	11998	7712	2450	311	26414
State Sector	8200	14794	5153	5215	50	33412
Total	12143	26792	12865	7665	360	59825

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	484	1122	572	445	11	2634
Hydro	277	16	43	72	18	426
Nuclear	31	30	46	0	0	107
Gas, Naptha & Diesel	28	52	17	0	18	115
RES (Wind, Solar, Biomass & Others)	76	86	161	1	0	324
Total	895	1307	839	518	47	3606

Share of RES in total generation (%)	8.45	6.57	19.23	0.29	0.08	8.99
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.85	10.10	29.81	14.20	37.61	23.76

H. Diversity Factor

All India Demand Diversity Factor	1.045
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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(परिष्कारण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(सि०प्र०)/

अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	3-Jun-18
Sl 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	0	381	0.0	5.6	-5.6	
2		SASARAM-FATEHPUR	S/C	119	203	0.0	0.3	-0.3	
3		GAYA-BALIA	S/C	0	530	0.0	9.1	-9.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	287	0.0	12.0	-12.0	
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2	
6	400 kV	PUSAULI-VARANASI	S/C	36	78	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	15	99	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	585	0.0	7.2	-7.2	
9		PATNA-BALIA	Q/C	0	764	0.0	20.4	-20.4	
10		BIHARSHARIFF-BALIA	D/C	0	348	0.0	5.6	-5.6	
11		MOTIHARI-GORAKHPUR	D/C	6	282	0.0	4.8	-4.8	
12	BIHARSHARIFF-VARANASI	D/C	286	43	0.0	2.2	-2.2		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	205	0.0	4.1	-4.1	
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	0	37	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>0.3</b>	<b>72.6</b>	<b>-72.3</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	959	0	19.4	0.0	19.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	571	191	3.2	0.0	3.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	986	0	14.6	0.0	14.6	
21		RANCHI-SIPAT	D/C	303	0	2.4	0.0	2.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	83	34	0.7	0.0	0.7	
23		BUDHIPADAR-KORBA	D/C	60	0	1.9	0.0	1.9	
<b>ER-WR</b>						<b>42.2</b>	<b>0.0</b>	<b>42.2</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1562.8	0.0	24.8	-24.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	667.7	0.0	13.5	-13.5	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2265.9	0.0	33.0	-33.0
27	400 kV	TALCHER-I/C	D/C	954.0	0.8	0.0	15.7	-15.7	
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>71.3</b>	<b>-71.3</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	521	0.0	8.9	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	50	267	0.0	2.9	-3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	174	0.0	2.5	-3	
<b>ER-NER</b>						<b>0.0</b>	<b>14.4</b>	<b>-14.4</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	501	0.0	12.1	-12.1	
<b>NER-NR</b>						<b>0.0</b>	<b>12.1</b>	<b>-12.1</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	63	1127	0.0	36.5	-36.5	
34		V'CHAL B/B	D/C	100	200	2.7	0.4	2.3	
35		APL -MHG	D/C	0	1795	0.0	23.5	-23.5	
36	765 kV	GWALIOR-AGRA	D/C	0	1361	0.0	21.7	-21.7	
37		PHAGI-GWALIOR	D/C	0	1522	0.0	28.1	-28.1	
38		JABALPUR-ORAI	D/C	0	1198	0.0	16.8	-16.8	
39		GWALIOR-ORAI	S/C	332	0	6.4	0.0	6.4	
40		SATNA-ORAI	S/C	0	1957	0.0	40.9	-40.9	
41	400 kV	ZERDA-KANKROLI	S/C	534	0	9.0	0.0	9.0	
42		ZERDA -BHINMAL	S/C	505	0	7.8	0.0	7.8	
43		V'CHAL -RIHAND	S/C	975	0	19.2	0.0	19.2	
44		RAPP-SHUJALPUR	D/C	62	245	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	82	24	0.7	0.1	0.5	
46		BADOD-MORAK	S/C	27	57	0.0	0.6	-0.5	
47		MEHGAON-AURAIYA	S/C	25	45	0.1	0.3	-0.2	
48		MALANPUR-AURAIYA	S/C	7	47	0.0	0.7	-0.7	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>45.9</b>	<b>170.2</b>	<b>-124.3</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	0	0.0	0.0	0.0	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	995	1057	0.0	2.4	-2.4	
53		WARDHA-NIZAMABAD	D/C	0	1885	0.0	23.3	-23.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	934	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>25.7</b>	<b>-0.3</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>12.3</b>	
59		NEPAL						<b>-8.0</b>	
60		BANGLADESH						<b>-13.6</b>	