



**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: 09<sup>th</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 08.06.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08<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

9-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52531	46261	38876	19601	2742	160011
Peak Shortage (MW)	634	55	17	0	106	811
Energy Met (MU)	1271	1108	823	446	52	3700
Hydro Gen (MU)	314	10	26	76	18	444
Wind Gen (MU)	38	128	172	-----	-----	338
Solar Gen (MU)*	17.41	17.10	39.49	0.65	0.02	75
Energy Shortage (MU)	11.2	0.0	0.0	0.0	0.7	12.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56897 00:09	48638 14:51	40146 19:24	21821 00:00	2752 19:09	163755 21:04

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	0.018	0.00	0.00	1.46	1.46	88.34	10.20

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	8143	0	185.0	103.7	-0.2	199	0.0
	Haryana	8134	0	181.9	124.7	1.4	285	0.5
	Rajasthan	11044	0	244.4	78.4	1.2	373	0.0
	Delhi	6913	0	137.4	109.8	-1.8	257	0.2
	UP	18644	0	399.1	169.1	1.1	329	0.0
	Uttarakhand	2753	0	46.6	18.8	2.4	870	0.5
	HP	1474	0	27.5	2.7	2.0	311	0.0
	J&K	2068	517	42.4	20.8	-1.5	295	10.0
WR	Chandigarh	361	0	6.7	6.6	0.1	46	0.0
	Chhattisgarh	3428	0	77.6	20.9	-0.5	385	0.0
	Gujarat	16983	0	369.8	131.5	4.8	489	0.0
	MP	7915	0	178.5	70.3	-2.0	442	0.0
	Maharashtra	19181	0	437.4	135.3	-2.3	439	0.0
	Goa	496	0	10.6	9.5	0.5	26	0.0
	DD	347	0	7.4	7.0	0.4	53	0.0
	DNH	770	0	18.1	17.7	0.4	34	0.0
SR	Essar steel	438	0	8.4	9.0	-0.5	158	0.0
	Andhra Pradesh	6824	0	154.1	23.5	-0.3	573	0.0
	Telangana	7230	0	136.8	55.3	-2.1	407	0.0
	Karnataka	7516	0	156.6	48.9	-3.1	466	0.0
	Kerala	3204	0	61.9	50.3	0.1	219	0.0
	Tamil Nadu	14281	0	305.6	95.0	-1.7	652	0.0
	Pondy	365	0	7.8	8.2	-0.4	17	0.0
	Bihar	4608	0	85.3	85.5	-1.9	50	0.0
ER	DVC	2991	0	68.2	-34.9	-0.6	200	0.0
	Jharkhand	1167	0	22.8	17.5	-0.3	50	0.0
	Odisha	4649	0	90.6	46.0	1.3	400	0.0
	West Bengal	8607	0	178.1	57.8	1.7	250	0.0
	Sikkim	86	0	1.1	1.4	-0.3	0	0.0
NER	Arunachal Pradesh	115	3	2.0	2.2	-0.2	30	0.0
	Assam	1759	30	33.9	27.5	1.2	146	0.6
	Manipur	164	11	2.3	2.3	0.0	24	0.0
	Meghalaya	291	8	5.5	2.4	0.1	26	0.0
	Mizoram	88	5	1.5	1.1	0.1	18	0.0
	Nagaland	122	5	2.1	1.8	0.2	18	0.0
	Tripura	275	4	5.0	4.9	0.3	79	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.1	-5.4	-12.7
Day peak (MW)	611.2	-431.4	-641.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	262.6	-247.4	19.6	-41.7	6.2	-0.8
Actual(MU)	268.4	-243.4	1.0	-37.6	6.6	-4.9
O/D/U/D(MU)	5.9	4.0	-18.5	4.2	0.4	-4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5363	11354	8812	1850	589	27968
State Sector	7085	16053	6783	4795	50	34766
Total	12448	27407	15595	6645	638	62734

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	577	1140	503	429	10	2659
Hydro	314	10	27	76	18	445
Nuclear	28	30	45	0	0	104
Gas, Naptha & Diesel	30	49	8	0	22	108
RES (Wind, Solar, Biomass & Others)	69	145	248	1	0	463
Total	1019	1374	832	506	50	3779

Share of RES in total generation (%)	6.81	10.54	29.79	0.25	0.09	12.26
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.42	13.46	38.55	15.21	36.28	26.78

H. Diversity Factor

All India Demand Diversity Factor	1.040
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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(परेषण)/(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 :	9-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	31	301	0.0	3.4	-3.4	
2		SASARAM-FATEHPUR	S/C	196	13	1.5	0.0	1.5	
3		GAYA-BALIA	S/C	0	527	0.0	8.7	-8.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	287	0.0	11.8	-11.8	
5		PUSAULI B/B	S/C	0	92	0.0	1.1	-1.1	
6	400 kV	PUSAULI-VARANASI	S/C	0	106	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	45	6	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	37	414	0.0	4.7	-4.7	
9		PATNA-BALIA	Q/C	0	719	0.0	12.6	-12.6	
10		BIHARSHARIFF-BALIA	D/C	0	382	0.0	6.6	-6.6	
11		MOTIHARI-GORAKHPUR	D/C	6	228	0.0	3.4	-3.4	
12	BIHARSHARIFF-VARANASI	D/C	277	74	0.9	0.0	0.9		
13	220 kV	PUSAULI-SAHUPURI	S/C	2	192	0.0	3.5	-3.5	
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	32	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						<b>ER-NR</b>	<b>2.6</b>	<b>55.8</b>	<b>-53.2</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	942	0	13.4	0.0	13.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	814	0	11.6	0.0	11.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	960	0	16.0	0.0	16.0	
21		RANCHI-SIPAT	D/C	390	0	6.2	0.0	6.2	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	121	70	1.2	0.0	1.2	
23		BUDHIPADAR-KORBA	D/C	128	0	2.3	0.0	2.3	
						<b>ER-WR</b>	<b>50.6</b>	<b>0.0</b>	<b>50.6</b>
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1433.8	0.0	18.8	-18.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	579.1	0.0	13.1	-13.1	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1580.1	0.0	24.4	-24.4
27	400 kV	TALCHER-I/C	D/C	908.6	0.9	0.2	19.0	-18.9	
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>56.2</b>	<b>-56.2</b>
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	515	0.0	10.2	-10	
30		ALIPURDUAR-BONGAIGAON	D/C	0	281	0.0	4.3	-4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	125	0.0	3.5	-4	
						<b>ER-NER</b>	<b>0.0</b>	<b>18.1</b>	<b>-18.1</b>
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	501	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	0	1659	0.0	58.2	-58.2	
34		V'CHAL B/B	D/C	250	0	0.0	6.0	-6.0	
35		APL -MHG	D/C	0	2518	0.0	54.4	-54.4	
36	765 kV	GWALIOR-AGRA	D/C	0	1647	0.0	30.5	-30.5	
37		PHAGI-GWALIOR	D/C	0	1410	0.0	27.2	-27.2	
38		JABALPUR-ORAI	D/C	0	1248	0.0	19.6	-19.6	
39		GWALIOR-ORAI	S/C	0	1955	9.1	0.0	9.1	
40		SATNA-ORAI	S/C	521	0	0.0	41.7	-41.7	
41	400 kV	ZERDA-KANKROLI	S/C	425	0	6.4	0.0	6.4	
42		ZERDA -BHINMAL	S/C	408	0	5.4	0.0	5.4	
43		V'CHAL -RIHAND	S/C	753	0	13.0	0.0	13.0	
44		RAPP-SHUJALPUR	D/C	0	321	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	58	24	0.4	0.1	0.3	
46		BADOD-MORAK	S/C	1	61	0.0	0.8	-0.8	
47		MEHGAON-AURAIYA	S/C	12	20	0.0	0.3	-0.3	
48		MALANPUR-AURAIYA	S/C	0	49	0.0	0.8	-0.8	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>34.2</b>	<b>242.0</b>	<b>-207.8</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	1606	969	11.2	0.0	11.2	
53		WARDHA-NIZAMABAD	D/C	0	1742	0.0	14.2	-14.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	1085	0	17.1	0.0	17.1	
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	109	0	2.1	0.0	2.1	
						<b>WR-SR</b>	<b>30.3</b>	<b>14.2</b>	<b>16.1</b>
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						11.1	
59		NEPAL						-5.4	
60		BANGLADESH						-12.7	