



**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: 16<sup>th</sup> May 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 15.05.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-मई-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 15<sup>th</sup> May 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

16-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	46957	47911	40033	19788	1991	156680
Peak Shortage (MW)	699	71	0	0	420	1190
Energy Met (MU)	1072	1169	888	398	38	3564
Hydro Gen (MU)	186	42	53	57	14	351
Wind Gen (MU)	18	63	17	-----	-----	98
Solar Gen (MU)*	17.87	19.64	48.56	0.88	0.02	87
Energy Shortage (MU)	13.3	0.0	0.0	0.0	2.4	15.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49720 22:21	53055 15:29	41351 19:31	20199 20:40	1921 20:09	159026 19:57

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	0.061	0.00	1.47	18.04	19.51	78.60	1.89

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	7152	0	155.8	77.1	-2.2	96	0.0
	Haryana	6852	190	139.1	76.5	3.7	306	0.9
	Rajasthan	9966	0	222.1	73.3	2.2	623	0.1
	Delhi	5289	0	105.9	84.1	-0.3	169	0.0
	UP	16573	0	336.1	161.6	3.0	547	0.0
	Uttarakhand	2016	0	39.4	19.9	1.4	345	1.7
	HP	1320	3	25.3	9.2	3.6	332	0.5
	J&K	2094	523	42.8	24.1	-0.7	282	10.1
WR	Chandigarh	257	0	5.0	4.9	0.1	47	0.0
	Chhattisgarh	3613	0	75.7	12.8	-0.7	142	0.0
	Gujarat	15891	0	353.2	148.2	3.5	703	0.0
	MP	8462	0	189.7	105.3	-1.8	344	0.0
	Maharashtra	23529	7	511.1	159.6	1.5	341	0.0
	Goa	544	0	10.9	10.7	-0.3	56	0.0
	DD	333	0	7.5	6.2	1.3	90	0.0
	DNH	762	0	17.8	17.4	0.4	52	0.0
SR	Essar steel	185	0	3.3	3.3	0.0	123	0.0
	Andhra Pradesh	8067	0	165.5	55.4	0.4	356	0.0
	Telangana	6736	0	134.5	40.7	-0.6	353	0.0
	Karnataka	8309	0	175.3	68.8	-1.8	441	0.0
	Kerala	3711	0	74.0	51.3	0.8	192	0.0
	Tamil Nadu	15039	0	330.7	184.0	1.1	444	0.0
ER	Pondy	382	0	8.3	8.4	-0.2	29	0.0
	Bihar	4566	0	78.1	77.0	-0.2	250	0.0
	DVC	2931	0	68.6	-52.6	4.4	400	0.0
	Jharkhand	1182	0	24.6	19.5	0.5	150	0.0
	Odisha	4086	0	76.7	30.0	-1.9	300	0.0
	West Bengal	7781	0	148.4	39.4	2.4	400	0.0
NER	Sikkim	90	0	1.2	0.9	0.3	35	0.0
	Arunachal Pradesh	109	6	1.5	1.9	-0.4	16	0.0
	Assam	1530	55	21.7	17.8	0.9	154	2.1
	Manipur	143	9	2.4	1.9	0.5	22	0.0
	Meghalaya	245	50	4.2	1.9	-0.1	58	0.0
	Mizoram	79	6	1.7	0.9	0.4	5	0.0
	Nagaland	111	23	1.8	1.7	0.1	29	0.0
Tripura	198	10	4.5	2.6	1.4	58	0.3	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.9	-6.4	-14.4
Day peak (MW)	422.7	-467.5	-666.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	217.7	-206.6	71.7	-79.7	-3.0	0.0
Actual(MU)	225.6	-213.4	63.4	-74.5	-2.4	-1.3
O/D/U/D(MU)	8.0	-6.7	-8.3	5.2	0.6	-1.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4079	13216	6222	1500	211	25228
State Sector	8925	14707	4810	5235	50	33727
Total	13004	27923	11032	6735	260	58955

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	555	1203	621	441	8	2828
Hydro	186	42	55	57	14	352
Nuclear	27	18	46	0	0	90
Gas, Naptha & Diesel	35	53	17	0	21	126
RES (Wind, Solar, Biomass & Others)	60	83	102	1	0	246
Total	862	1398	840	499	43	3643

Share of RES in total generation (%)	6.98	5.91	12.08	0.27	0.07	6.75
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.63	10.16	24.06	11.61	31.78	18.90

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 :	16-May-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	0	0.0	4.7	-4.7	
2		SASARAM-FATEHPUR	S/C	217	115	0.0	0.0	0.0	
3		GAYA-BALIA	S/C	0	540	0.0	10.9	-10.9	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	149	0.0	3.5	-3.5	
6	400 kV	PUSAULI-VARANASI	S/C	0	146	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	98	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	5	642	0.0	9.5	-9.5	
9		PATNA-BALIA	Q/C	1	1198	0.0	20.8	-20.8	
10		BIHARSHARIFF-BALIA	D/C	0	488	0.0	9.4	-9.4	
11		MOTIHARI-GORAKHPUR	D/C	0	274	0.0	4.7	-4.7	
12	BIHARSHARIFF-VARANASI	D/C	417	0	0.0	1.2	-1.2		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	184	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	10	0	0.6	0.0	0.6	
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>0.6</b>	<b>68.2</b>	<b>-67.6</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	839	59	7.0	0.0	7.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	540	176	3.5	0.0	3.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	726	0	10.9	0.0	10.9	
21		RANCHI-SIPAT	D/C	260	0	3.0	0.0	3.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	88	53	0.5	0.0	0.5	
23		BUDHIPADAR-KORBA	D/C	89	0	1.4	0.0	1.4	
<b>ER-WR</b>						<b>26.3</b>	<b>0.0</b>	<b>26.3</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1678.8	0.0	26.2	-26.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	190.2	0.0	8.7	-8.7	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1903.8	0.0	33.4	-33.4
27	400 kV	TALCHER-I/C	D/C	500.8	338.1	3.4	1.5	1.9	
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>68.3</b>	<b>-68.3</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	403	330	1.2	0.0	1	
30		ALIPURDUAR-BONGAIGAON	D/C	294	287	2.2	0.0	2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	3	77	0.0	0.9	-1	
<b>ER-NER</b>						<b>3.4</b>	<b>0.9</b>	<b>2.5</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	0.0	0.0	
<b>NER-NR</b>						<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	20	1269	0.0	59.7	-59.7	
34		V'CHAL B/B	D/C	0	250	0.0	5.9	-5.9	
35		APL -MHG	D/C	0	1721	0.0	28.7	-28.7	
36	765 kV	GWALIOR-AGRA	D/C	0	1371	0.0	29.4	-29.4	
37		PHAGI-GWALIOR	D/C	0	1702	0.0	33.4	-33.4	
38		JABALPUR-ORAI	D/C	0	694	0.0	11.6	-11.6	
39		GWALIOR-ORAI	S/C	445	0	9.4	0.0	9.4	
40		SATNA-ORAI	S/C	0	1735	0.0	39.5	-39.5	
41		ZERDA-KANKROLI	S/C	454	0	9.3	0.0	9.3	
42	400 kV	ZERDA -BHINMAL	S/C	430	0	7.4	0.0	7.4	
43		V'CHAL -RIHAND	S/C	970	0	22.6	0.0	22.6	
44		RAPP-SHUJALPUR	D/C	26	260	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	72	36	0.8	0.1	0.7	
46		BADOD-MORAK	S/C	23	67	0.1	0.4	-0.3	
47		MEHGAON-AURAIYA	S/C	30	46	0.3	0.1	0.2	
48		MALANPUR-AURAIYA	S/C	26	46	0.1	0.4	-0.3	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>49.9</b>	<b>210.5</b>	<b>-160.6</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	23.9	-23.9	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	912	1423	0.0	4.3	-4.3	
53		WARDHA-NIZAMABAD	D/C	0	1807	0.0	16.1	-16.1	
54	400 kV	KOLHAPUR-KUDGI	D/C	976	0	15.2	0.0	15.2	
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>16.8</b>	<b>44.3</b>	<b>-27.6</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						7.9	
59		NEPAL						-6.4	
60		BANGLADESH						-14.4	