



**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: 08<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 07.05.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07<sup>th</sup> May 2018, is available at the NLDC website.

धन्यवाद,

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

8-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	45951	48159	41198	20971	2189	158468
Peak Shortage (MW)	807	71	0	0	198	1076
Energy Met (MU)	1042	1166	937	448	35	3628
Hydro Gen (MU)	167	49	56	63	13	348
Wind Gen (MU)	23	81	47	-----	-----	151
Solar Gen (MU)*	15.60	22.13	55.49	0.85	0.01	94
Energy Shortage (MU)	11.0	0.0	0.0	0.0	2.2	13.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46716 19:45	51962 15:42	43029 14:58	21750 20:39	2207 19:06	160602 19:44

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	0.087	0.00	4.57	21.52	26.09	67.13	6.78

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	5972	0	128.3	59.4	-1.2	128	0.0
	Haryana	6899	96	138.5	71.9	-0.4	283	1.4
	Rajasthan	9588	0	203.8	61.2	1.0	354	0.4
	Delhi	4968	0	102.7	89.0	-1.3	98	0.0
	UP	16708	260	363.8	143.5	2.8	834	0.0
	Uttarakhand	1931	0	39.2	19.4	0.9	178	0.1
	HP	1284	0	23.5	10.8	2.7	360	0.2
	J&K	2085	521	37.5	24.2	2.8	435	8.9
WR	Chhattisgarh	225	0	4.4	4.4	0.1	61	0.0
	Gujarat	15515	0	345.1	166.1	4.0	431	0.0
	MP	8590	0	190.6	83.4	-2.8	222	0.0
	Maharashtra	23030	0	502.0	152.4	1.3	594	0.0
	Goa	512	0	11.2	10.7	-0.1	51	0.0
	DD	312	0	7.1	6.5	0.6	7	0.0
	DNH	731	0	17.2	17.2	0.0	43	0.0
	Essar steel	231	0	4.0	4.6	-0.6	140	0.0
SR	Andhra Pradesh	8266	0	172.7	49.7	1.1	420	0.0
	Telangana	7068	0	148.9	38.0	0.7	413	0.0
	Karnataka	9571	0	206.4	70.2	-1.8	430	0.0
	Kerala	3774	0	75.1	51.1	0.8	162	0.0
	Tamil Nadu	14480	0	325.3	155.5	-0.2	430	0.0
	Pondy	387	0	8.1	8.0	0.1	56	0.0
ER	Bihar	4665	0	89.7	89.1	0.1	290	0.0
	DVC	3035	0	70.3	-49.4	-0.2	400	0.0
	Jharkhand	1269	0	25.0	19.3	1.1	150	0.0
	Odisha	4650	0	92.7	40.9	-0.2	480	0.0
	West Bengal	8204	0	169.4	51.8	3.4	350	0.0
	Sikkim	98	0	1.3	1.5	-0.3	18	0.0
NER	Arunachal Pradesh	122	4	2.1	2.2	-0.2	35	0.0
	Assam	1369	32	19.5	16.5	-0.2	138	1.6
	Manipur	135	14	2.2	2.3	-0.1	6	0.0
	Meghalaya	269	6	4.6	2.3	-0.3	20	0.0
	Mizoram	74	1	1.7	1.4	-0.1	2	0.0
	Nagaland	101	10	2.0	2.0	-0.1	13	0.0
	Tripura	212	26	3.2	3.2	-0.1	0	0.4

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.9	-10.3	-14.5
Day peak (MW)	679.4	-490.2	-667.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	184.7	-186.4	63.0	-60.7	-2.2	-1.5
Actual(MU)	193.9	-190.6	56.8	-58.9	-6.6	-5.4
O/D/U/D(MU)	9.3	-4.2	-6.2	1.8	-4.4	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4320	12601	8242	1350	156	26669
State Sector	8275	16333	4290	4815	50	33763
Total	12595	28934	12532	6165	206	60432

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	579	1158	626	464	9	2836
Hydro	167	49	57	63	13	349
Nuclear	27	18	46	0	0	91
Gas, Naptha & Diesel	31	55	21	0	24	131
RES (Wind, Solar, Biomass & Others)	62	103	140	1	0	306
Total	867	1382	890	529	46	3714

Share of RES in total generation (%)	7.16	7.43	15.71	0.26	0.07	8.24
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.58	12.30	27.30	12.24	27.48	20.11

H. Diversity Factor

All India Demand Diversity Factor	1.032
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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(परिषद)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्रा०)/  
अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

<b>INTER-REGIONAL EXCHANGES</b>								Date of Reporting : <b>8-May-18</b>
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	40	191	0.0	5.3	-5.3
2		SASARAM-FATEHPUR	S/C	289	74	2.1	0.0	2.1
3		GAYA-BALIA	S/C	0	491	0.0	9.3	-9.3
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	147	0.0	3.8	-3.8
6	400 kV	PUSAULI-VARANASI	S/C	0	142	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	93	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	3	633	0.0	8.3	-8.3
9		PATNA-BALIA	Q/C	0	1327	0.0	23.8	-23.8
10		BIHARSHARIFF-BALIA	D/C	0	549	0.0	9.6	-9.6
11		MOTIHARI-GORAKHPUR	D/C	0	245	0.0	4.3	-4.3
12		BIHARSHARIFF-VARANASI	D/C	501	0	0.0	0.9	-0.9
13		220 kV	PUSAULI-SAHUPURI	S/C	0	204	0.0	4.2
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	10	0	0.7	0.0	0.7
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>2.8</b>	<b>69.2</b>	<b>-66.3</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	817	144	7.6	0.0	7.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	287	269	0.7	0.0	0.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	972	0	14.0	0.0	14.0
21		RANCHI-SIPAT	D/C	510	0	8.0	0.0	8.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	50	89	0.0	0.5	-0.5
23		BUDHIPADAR-KORBA	D/C	267	0	3.6	0.0	3.6
<b>ER-WR</b>						<b>33.8</b>	<b>0.5</b>	<b>33.4</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1484.8	0.0	20.5	-20.5
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	318.4	0.0	13.4	-13.4
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1880.5	0.0	42.6	-42.6
27	400 kV	TALCHER-I/C	D/C	713.6	58.0	7.2	1.0	6.2
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>76.6</b>	<b>-76.6</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	623	85	3.6	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	464	104	3.6	0.0	4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	12	102	0.0	0.5	0
<b>ER-NER</b>						<b>7.2</b>	<b>0.5</b>	<b>6.8</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	61	1318	0.0	45.6	-45.6
34		V'CHAL B/B	D/C	0	250	0.0	5.5	-5.5
35		APL -MHG	D/C	0	1212	0.0	20.8	-20.8
36	765 kV	GWALIOR-AGRA	D/C	0	1342	0.0	26.2	-26.2
37		PHAGI-GWALIOR	D/C	0	1336	0.0	27.4	-27.4
38		JABALPUR-ORAI	D/C	0	743	0.0	10.3	-10.3
39		GWALIOR-ORAI	S/C	240	0	2.2	0.0	2.2
40		SATNA-ORAI	S/C	1838	0	0.0	40.6	-40.6
41	400 kV	ZERDA-KANKROLI	S/C	465	0	9.1	0.0	9.1
42		ZERDA -BHINMAL	S/C	440	0	7.7	0.0	7.7
43		V'CHAL -RIHAND	S/C	960	0	22.1	0.0	22.1
44		RAPP-SHUJALPUR	D/C	64	138	0	1	-1
45	220 kV	BADOD-KOTA	S/C	90	43	0.9	0.1	0.8
46		BADOD-MORAK	S/C	41	61	0.2	0.3	-0.1
47		MEHGAON-AURAIYA	S/C	152	0	2.8	0.0	2.8
48		MALANPUR-AURAIYA	S/C	0	0	0.0	0.0	0.0
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>45.1</b>	<b>177.4</b>	<b>-132.3</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	14.6	-14.6
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	551	1353	0.0	1.5	-1.5
53		WARDHA-NIZAMABAD	D/C	0	2090	0.0	19.1	-19.1
54	400 kV	KOLHAPUR-KUDGI	D/C	624	0	8.6	0.0	8.6
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>10.1</b>	<b>35.2</b>	<b>-25.1</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>11.9</b>
59		NEPAL						<b>-10.3</b>
60		BANGLADESH						<b>-14.5</b>