



**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: 12<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 11.05.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11<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

12-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	49527	47930	38518	17874	2212	156060
Peak Shortage (MW)	623	106	0	0	180	910
Energy Met (MU)	1110	1175	908	426	34	3653
Hydro Gen (MU)	160	24	48	56	16	303
Wind Gen (MU)	22	71	41	-----	-----	135
Solar Gen (MU)*	19.60	21.30	57.82	0.73	0.01	99
Energy Shortage (MU)	28.4	0.0	0.1	0.0	1.8	30.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50625 19:41	52018 15:32	42643 14:43	19385 00:00	2226 18:50	158555 15:16

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	0.088	0.10	2.57	25.50	28.17	67.22	4.61

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	7074	0	158.0	78.1	-0.8	511	0.0
	Haryana	7123	50	145.5	84.7	3.7	644	9.0
	Rajasthan	10272	0	227.2	72.0	6.1	719	4.1
	Delhi	5272	0	105.5	88.0	0.4	443	0.0
	UP	17349	0	365.6	141.7	2.1	1163	0.0
	Uttarakhand	1846	75	36.3	17.9	-0.3	235	2.7
	HP	1221	0	24.0	8.5	4.6	460	2.4
	J&K	2176	544	43.1	28.2	0.4	371	10.2
WR	Chandigarh	258	0	5.0	4.2	0.8	98	0.0
	Chhattisgarh	3770	0	86.9	19.0	-1.2	144	0.0
	Gujarat	15918	0	354.3	155.0	5.1	435	0.0
	MP	8743	0	195.4	106.8	-2.1	327	0.0
	Maharashtra	22394	0	498.1	155.0	-2.2	384	0.0
	Goa	507	0	10.3	10.6	-0.8	47	0.0
	DD	331	0	7.5	6.2	1.3	118	0.0
	DNH	743	0	17.3	17.0	0.4	94	0.0
SR	Essar steel	271	0	5.0	4.9	0.0	147	0.0
	Andhra Pradesh	8710	0	176.7	64.1	0.7	499	0.0
	Telangana	6936	0	150.5	41.9	-2.5	349	0.0
	Karnataka	8975	0	175.8	51.0	-5.5	440	0.0
	Kerala	3109	0	70.2	49.1	0.7	177	0.0
	Tamil Nadu	14608	0	327.0	156.7	0.5	601	0.0
	Pondy	384	0	8.3	8.3	0.0	67	0.1
	Bihar	4672	0	87.6	86.9	0.1	385	0.0
ER	DVC	3060	0	72.5	-49.9	1.7	402	0.0
	Jharkhand	1252	0	25.4	19.5	1.2	135	0.0
	Odisha	3948	0	83.6	34.4	-0.7	345	0.0
	West Bengal	7497	0	155.2	55.8	-1.0	385	0.0
	Sikkim	90	0	1.4	1.1	0.3	20	0.0
NER	Arunachal Pradesh	110	2	1.8	2.1	-0.3	35	0.0
	Assam	1428	79	20.2	16.2	1.0	138	1.4
	Manipur	146	0	1.8	2.0	-0.2	6	0.0
	Meghalaya	279	0	4.6	1.0	-0.3	20	0.0
	Mizoram	73	1	1.3	1.0	0.1	2	0.0
	Nagaland	114	2	1.8	1.8	-0.2	13	0.0
	Tripura	162	23	2.6	2.4	-0.4	0	0.3

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.1	-9.3	-14.4
Day peak (MW)	495.7	-416.2	-611.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	217.6	-200.7	54.8	-65.0	-6.9	-0.1
Actual(MU)	244.3	-222.3	52.8	-61.0	-9.7	4.1
O/D/U/D(MU)	26.7	-21.7	-2.0	4.0	-2.8	4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4613	13861	6182	1500	190	26346
State Sector	9570	14510	4410	5025	50	33565
Total	14183	28371	10592	6525	239	59910

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	590	1221	632	456	11	2909
Hydro	160	24	49	56	16	305
Nuclear	27	18	46	0	0	91
Gas, Naptha & Diesel	47	58	18	0	21	144
RES (Wind, Solar, Biomass & Others)	67	93	135	1	0	295
Total	891	1413	879	513	47	3744

Share of RES in total generation (%)	7.51	6.55	15.30	0.26	0.07	7.89
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.44	9.54	26.16	11.11	33.14	18.46

H. Diversity Factor

All India Demand Diversity Factor	1.053
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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 :	12-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	223	0.0	7.5	-7.5	
2		SASARAM-FATEHPUR	S/C	252	101	0.6	0.0	0.6	
3		GAYA-BALIA	S/C	0	457	0.0	8.6	-8.6	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	2	149	0.0	3.5	-3.5	
6	400 kV	PUSAULI-VARANASI	S/C	0	129	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	19	106	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	5	649	0.0	11.3	-11.3	
9		PATNA-BALIA	Q/C	0	1158	0.0	23.7	-23.7	
10		BIHARSHARIFF-BALIA	D/C	0	417	0.0	8.3	-8.3	
11		MOTIHARI-GORAKHPUR	D/C	0	278	0.0	4.8	-4.8	
12	BIHARSHARIFF-VARANASI	D/C	585	0	0.0	2.0	-2.0		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	185	0.0	3.7	-3.7	
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>1.2</b>	<b>73.4</b>	<b>-72.2</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	490	364	0.0	0.4	-0.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	403	303	1.2	0.0	1.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1026	0	16.4	0.0	16.4	
21		RANCHI-SIPAT	D/C	533	0	9.0	0.0	9.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	56	75	0.0	0.1	-0.1	
23		BUDHIPADAR-KORBA	D/C	137	0	2.4	0.0	2.4	
						<b>ER-WR</b>	<b>29.1</b>	<b>0.4</b>	<b>28.7</b>
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1226.8	0.0	21.9	-21.9	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	345.7	0.0	10.3	-10.3	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1881.0	0.0	40.1	-40.1
27	400 kV	TALCHER-I/C	D/C	742.8	82.5	10.2	0.3	9.9	
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>72.3</b>	<b>-72.3</b>
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	659	101	4.3	0.0	4	
30		ALIPURDUAR-BONGAIGAON	D/C	496	110	5.9	0.0	6	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	35	74	0.0	0.1	0	
						<b>ER-NER</b>	<b>10.2</b>	<b>0.1</b>	<b>10.1</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	0	1389	0.0	52.0	-52.0	
34		V'CHAL B/B	D/C	0	250	0.0	6.0	-6.0	
35		APL -MHG	D/C	0	1010	0.0	25.2	-25.2	
36	765 kV	GWALIOR-AGRA	D/C	0	1414	0.0	27.8	-27.8	
37		PHAGI-GWALIOR	D/C	0	2016	0.0	42.6	-42.6	
38		JABALPUR-ORAI	D/C	0	1031	0.0	16.4	-16.4	
39		GWALIOR-ORAI	S/C	330	0	5.3	0.0	5.3	
40		SATNA-ORAI	S/C	1900	0	0.0	43.8	-43.8	
41	400 kV	ZERDA-KANKROLI	S/C	398	0	8.9	0.0	8.9	
42		ZERDA -BHINMAL	S/C	436	0	7.1	0.0	7.1	
43		V'CHAL -RIHAND	S/C	971	0	11.4	0.0	11.4	
44		RAPP-SHUJALPUR	D/C	0	282	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	79	1	0.6	0.0	0.6	
46		BADOD-MORAK	S/C	27	42	0.0	0.4	-0.4	
47		MEHGAON-AURAIYA	S/C	159	0	3.2	0.0	3.2	
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>36.6</b>	<b>216.3</b>	<b>-179.7</b>
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	22.1	-22.1	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	833	693	5.4	0.0	5.4	
53		WARDHA-NIZAMABAD	D/C	0	1514	0.0	15.3	-15.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	971	0	16.0	0.0	16.0	
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>23.0</b>	<b>37.4</b>	<b>-14.5</b>
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>8.1</b>	
59		NEPAL						<b>-9.3</b>	
60		BANGLADESH						<b>-14.4</b>	