



**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: 13<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 12.05.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12<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

13-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	47196	47190	38463	20658	2320	155827
Peak Shortage (MW)	494	0	0	0	90	584
Energy Met (MU)	1113	1159	884	427	38	3620
Hydro Gen (MU)	180	29	33	50	16	308
Wind Gen (MU)	37	94	53	-----	-----	184
Solar Gen (MU)*	15.81	21.40	55.00	0.74	0.03	93
Energy Shortage (MU)	9.8	0.0	0.0	0.0	1.3	11.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50204 22:52	51164 14:54	40150 14:58	21187 20:42	2216 18:33	158258 22:52

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	0.058	0.00	1.10	16.66	17.75	74.79	7.45

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	7250	0	149.1	68.5	-3.3	204	0.0
	Haryana	6725	975	149.2	88.9	3.2	377	0.9
	Rajasthan	10246	0	222.7	67.7	1.0	528	0.0
	Delhi	5364	0	108.7	89.2	0.3	290	0.0
	UP	17717	0	373.9	142.1	4.4	725	0.0
	Uttarakhand	2097	0	42.7	20.5	2.6	320	0.1
	HP	1346	0	24.3	11.6	0.5	205	0.0
	J&K	2060	515	37.4	24.8	-4.6	181	8.8
WR	Chandigarh	251	0	4.9	4.8	0.1	64	0.0
	Chhattisgarh	3610	0	81.9	19.4	-1.0	341	0.0
	Gujarat	15705	0	350.2	131.8	7.7	302	0.0
	MP	8718	0	193.0	102.2	-1.5	225	0.0
	Maharashtra	22288	0	493.3	145.3	1.1	304	0.0
	Goa	505	0	10.9	10.5	-0.1	25	0.0
	DD	331	0	7.5	6.3	1.2	128	0.0
	DNH	728	0	17.2	16.9	0.3	41	0.0
SR	Essar steel	290	0	4.8	4.9	-0.2	161	0.0
	Andhra Pradesh	8820	0	172.4	59.9	0.3	760	0.0
	Telangana	6732	0	146.2	43.3	-2.2	397	0.0
	Karnataka	7400	0	157.5	48.9	-4.8	307	0.0
	Kerala	3271	0	68.9	53.2	0.8	182	0.0
	Tamil Nadu	14791	0	330.1	157.5	1.1	488	0.0
	Pondy	387	0	8.4	8.4	0.1	71	0.0
	Bihar	4664	0	88.6	87.6	0.4	100	0.0
ER	DVC	3003	0	70.9	-43.7	-0.9	170	0.0
	Jharkhand	1318	0	25.7	19.2	2.2	172	0.0
	Odisha	4493	0	88.5	37.8	2.1	310	0.0
	West Bengal	8051	0	152.0	52.5	1.4	200	0.0
	Sikkim	86	0	1.3	0.8	0.5	27	0.0
NER	Arunachal Pradesh	104	0	1.9	2.2	-0.2	35	0.0
	Assam	1412	71	21.9	17.7	0.9	138	1.0
	Manipur	150	2	2.0	2.1	-0.1	6	0.0
	Meghalaya	292	0	4.9	1.4	-0.1	20	0.0
	Mizoram	78	1	1.6	1.3	-0.1	2	0.0
	Nagaland	115	3	1.7	1.8	-0.2	13	0.0
	Tripura	215	3	3.7	3.1	-0.3	0	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	6.6	-9.7	-14.6
Day peak (MW)	367.8	-506.0	-666.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	206.0	-219.6	69.6	-50.3	-7.1	-1.4
Actual(MU)	210.2	-226.0	63.2	-37.7	-7.9	1.8
O/D/U/D(MU)	4.2	-6.4	-6.5	12.6	-0.8	3.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4261	13561	6642	1700	140	26304
State Sector	9220	14967	5010	5235	50	34482
Total	13481	28528	11652	6935	189	60785

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	589	1201	606	437	11	2843
Hydro	180	29	35	50	16	310
Nuclear	27	18	46	0	0	91
Gas, Naptha & Diesel	46	60	17	0	23	146
RES (Wind, Solar, Biomass & Others)	77	116	145	1	0	340
Total	920	1423	849	489	49	3731

Share of RES in total generation (%)	8.42	8.13	17.12	0.28	0.11	9.12
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.94	11.42	26.64	10.60	32.17	19.86

H. Diversity Factor

All India Demand Diversity Factor	1.042
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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 :	13-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	29	214	0.0	6.0	-6.0	
2		SASARAM-FATEHPUR	S/C	306	83	2.2	0.0	2.2	
3		GAYA-BALIA	S/C	0	467	0.0	9.5	-9.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	148	0.0	3.7	-3.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	147	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	94	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	5	554	0.0	7.6	-7.6	
9		PATNA-BALIA	Q/C	0	987	0.0	18.1	-18.1	
10		BIHARSHARIFF-BALIA	D/C	0	417	0.0	7.3	-7.3	
11		MOTIHARI-GORAKHPUR	D/C	0	255	0.0	3.7	-3.7	
12	BIHARSHARIFF-VARANASI	D/C	438	78	0.1	0.0	0.1		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	190	0.0	3.4	-3.4	
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>3.0</b>	<b>59.3</b>	<b>-56.3</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	918	0	9.8	0.0	9.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	650	62	7.6	0.0	7.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1075	0	16.0	0.0	16.0	
21		RANCHI-SIPAT	D/C	308	0	4.8	0.0	4.8	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	74	50	0.3	0.0	0.3	
23		BUDHIPADAR-KORBA	D/C	137	0	2.3	0.0	2.3	
<b>ER-WR</b>						<b>40.9</b>	<b>0.0</b>	<b>40.9</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1352.8	0.0	24.2	-24.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	344.3	0.0	9.5	-9.5	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1894.6	0.0	40.0	-40.0
27	400 kV	TALCHER-I/C	D/C	782.7	141.0	8.5	0.8	7.7	
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>73.7</b>	<b>-73.7</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	643	183	3.2	0.0	3	
30		ALIPURDUAR-BONGAIGAON	D/C	477	185	5.3	0.0	5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	30	97	0.0	0.3	0	
<b>ER-NER</b>						<b>8.5</b>	<b>0.3</b>	<b>8.2</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	1295	0.0	59.9	-59.9	
34		V'CHAL B/B	D/C	200	250	0.7	4.1	-3.4	
35		APL -MHG	D/C	0	910	0.0	22.1	-22.1	
36	765 kV	GWALIOR-AGRA	D/C	0	1443	0.0	28.9	-28.9	
37		PHAGI-GWALIOR	D/C	0	1914	0.0	34.9	-34.9	
38		JABALPUR-ORAI	D/C	0	1028	0.0	17.4	-17.4	
39		GWALIOR-ORAI	S/C	352	0	6.3	0.0	6.3	
40		SATNA-ORAI	S/C	1751	0	0.0	37.5	-37.5	
41		ZERDA-KANKROLI	S/C	423	0	8.1	0.0	8.1	
42	400 kV	ZERDA -BHINMAL	S/C	432	0	7.5	0.0	7.5	
43		V'CHAL -RIHAND	S/C	960	0	22.0	0.0	22.0	
44		RAPP-SHUJALPUR	D/C	0	90	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	54	32	0.5	0.0	0.5	
46		BADOD-MORAK	S/C	1	62	0.0	0.6	-0.6	
47		MEHGAON-AURAIYA	S/C	46	0	0.4	0.0	0.4	
48		MALANPUR-AURAIYA	S/C	5	33	0.0	0.2	-0.2	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>45.6</b>	<b>206.5</b>	<b>-160.9</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	18.9	-18.9	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	899	591	4.5	0.0	4.5	
53		WARDHA-NIZAMABAD	D/C	0	1594	0.0	19.6	-19.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	924	0	14.3	0.0	14.3	
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>20.4</b>	<b>38.5</b>	<b>-18.0</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						6.6	
59		NEPAL						-9.7	
60		BANGLADESH						-14.6	