



**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: 21<sup>st</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 20.05.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20-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 20<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

21-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	48232	46681	37611	19396	2372	154292
Peak Shortage (MW)	488	46	0	0	128	662
Energy Met (MU)	1122	1161	850	415	43	3591
Hydro Gen (MU)	178	40	34	60	15	327
Wind Gen (MU)	13	68	99	-----	-----	180
Solar Gen (MU)*	19.49	19.64	54.07	0.73	0.01	94
Energy Shortage (MU)	18.5	0.0	0.0	0.0	0.9	19.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53649 23:19	50447 14:33	39132 22:50	20050 00:15	2451 19:17	162221 23:17

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	0.041	0.00	0.52	11.64	12.16	80.64	7.20

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	7427	0	164.4	77.0	-0.5	99	0.0
	Haryana	6844	0	144.7	67.7	3.9	361	4.9
	Rajasthan	9853	0	221.1	64.4	-1.2	338	0.1
	Delhi	5282	0	103.7	80.7	-0.9	262	0.0
	UP	18210	0	380.0	156.9	2.9	849	0.0
	Uttarakhand	1916	0	39.4	18.6	2.2	234	2.1
	HP	1171	0	21.9	4.9	4.9	521	1.6
	J&K	1952	488	41.9	21.4	3.4	374	9.8
WR	Chandigarh	238	0	4.6	4.6	0.0	27	0.0
	Chhattisgarh	3624	0	84.8	16.3	-1.0	206	0.0
	Gujarat	15343	0	345.5	124.0	8.4	696	0.0
	MP	8827	0	194.1	113.5	1.4	318	0.0
	Maharashtra	21803	0	491.2	143.8	2.2	441	0.0
	Goa	462	0	10.1	9.2	0.4	68	0.0
	DD	309	0	7.1	6.0	1.1	110	0.0
	DNH	758	0	17.7	16.7	1.0	71	0.0
SR	Essar steel	533	0	10.9	11.4	-0.5	202	0.0
	Andhra Pradesh	8155	0	171.3	56.2	1.1	513	0.0
	Telangana	6964	0	150.9	55.3	-0.6	280	0.0
	Karnataka	7605	0	154.5	45.5	-2.7	429	0.0
	Kerala	3292	0	63.9	41.7	2.1	268	0.0
	Tamil Nadu	12980	0	302.1	126.0	-0.1	1022	0.0
	Pondy	362	0	7.7	8.1	-0.5	14	0.0
	ER	Bihar	4803	0	76.7	77.3	-2.9	400
DVC		3071	0	69.3	-29.8	0.7	210	0.0
Jharkhand		1326	0	23.2	16.0	-0.8	50	0.0
Odisha		4528	0	89.0	42.3	-0.7	250	0.0
West Bengal		7782	0	155.2	42.7	2.5	480	0.0
Sikkim		78	0	1.1	1.9	-0.7	0	0.0
NER	Arunachal Pradesh	100	1	1.7	2.0	-0.2	44	0.0
	Assam	1552	47	27.3	22.0	0.4	206	0.8
	Manipur	163	0	2.2	2.4	-0.2	30	0.0
	Meghalaya	255	0	4.7	3.0	-0.2	35	0.0
	Mizoram	78	2	1.4	1.1	-0.1	6	0.0
	Nagaland	100	0	1.9	1.9	-0.1	41	0.0
	Tripura	212	4	4.1	3.0	0.5	38	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	15.3	-8.1	-14.4
Day peak (MW)	790.0	-508.9	-639.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	195.4	-211.7	51.1	-37.3	4.3	1.8
Actual(MU)	219.7	-212.9	39.8	-46.5	2.2	2.4
O/D/U/D(MU)	24.3	-1.2	-11.3	-9.2	-2.1	0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4433	14045	6182	1100	376	26135
State Sector	7390	16127	5440	5925	50	34932
Total	11823	30172	11622	7025	425	61067

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	630	1182	539	428	4	2783
Hydro	178	40	36	60	15	329
Nuclear	31	18	46	0	0	95
Gas, Naptha & Diesel	34	53	16	0	24	127
RES (Wind, Solar, Biomass & Others)	52	88	191	1	0	332
Total	925	1380	828	489	44	3666

Share of RES in total generation (%)	5.61	6.35	23.09	0.27	0.08	9.06
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.20	10.53	32.95	12.49	34.80	20.61

H. Diversity Factor

All India Demand Diversity Factor	1.022
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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 (पारेषण)/(ओ एम)/निदेशक (ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रिडिंग)/अध्यक्ष एवं प्रबंध निदेशक (पोसीको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 21-May-18

Import=(+ve)  
/Export =(-ve)  
for NET (MU)

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	0	0	0.0	3.3	-3.3	
2		SASARAM-FATEHPUR	S/C	342	0	4.4	0.0	4.4	
3		GAYA-BALIA	S/C	0	570	0.0	11.6	-11.6	
4	HVDC	ALIPURDUAR-AGRA	-	0	175	0.0	5.1	-5.1	
5		PUSAULI B/B	S/C	0	289	0.0	7.0	-7.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	249	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	117	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	9	468	0.0	6.8	-6.8	
9		PATNA-BALIA	Q/C	0	878	0.0	15.3	-15.3	
10		BIHARSHARIFF-BALIA	D/C	0	471	0.0	8.2	-8.2	
11		MOTIHARI-GORAKHPUR	D/C	0	186	0.0	3.2	-3.2	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	413	125	1.3	0.0	1.3	
13		PUSAULI-SAHUPURI	S/C	2	196	0.0	3.5	-3.5	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	10	0	0.6	0.0	0.6
16			KARMANASA-SAHUPURI	S/C	1	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>6.4</b>	<b>64.1</b>	<b>-57.7</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	989	0	10.8	0.0	10.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	712	0	11.9	0.0	11.9	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	823	0	12.8	0.0	12.8	
21		RANCHI-SIPAT	D/C	328	0	5.2	0.0	5.2	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	110	27	0.9	0.0	0.9	
23		BUDHIPADAR-KORBA	D/C	145	0	2.6	0.0	2.6	
<b>ER-WR</b>						<b>44.3</b>	<b>0.0</b>	<b>44.3</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1455.8	0.0	26.5	-26.5	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	261.1	0.0	11.0	-11.0	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1596.9	0.0	22.9	-22.9	
27	400 kV	TALCHER-I/C	D/C	196.2	933.5	0.0	13.8	-13.8	
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>60.4</b>	<b>-60.4</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	176	1182	0.0	6.5	-6	
30		ALIPURDUAR-BONGAIGAON	D/C	125	976	0.0	3.7	-4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	156	0.0	2.3	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>12.5</b>	<b>-12.5</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	11.9	-11.9	
<b>NER-NR</b>						<b>0.0</b>	<b>11.9</b>	<b>-11.9</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1361	0.0	53.3	-53.3	
34		V'CHAL B/B	D/C	250	250	0.0	5.2	-5.2	
35		APL -MHG	D/C	0	407	0.0	16.8	-16.8	
36	765 kV	GWALIOR-AGRA	D/C	0	1471	0.0	28.7	-28.7	
37		PHAGI-GWALIOR	D/C	0	1682	0.0	33.1	-33.1	
38		JABALPUR-ORAI	D/C	0	736	0.0	13.5	-13.5	
39		GWALIOR-ORAI	S/C	473	0	9.8	0.0	9.8	
40		SATNA-ORAI	S/C	0	1751	0.0	39.4	-39.4	
41		ZERDA-KANKROLI	S/C	343	0	6.8	0.0	6.8	
42	400 kV	ZERDA -BHINMAL	S/C	353	0	4.6	0.0	4.6	
43		V'CHAL -RIHAND	S/C	961	0	22.3	0.0	22.3	
44		RAPP-SHUJALPUR	D/C	0	227	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	77	0	0.1	0.0	0.1	
46		BADOD-MORAK	S/C	25	27	0.0	0.0	0.0	
47		MEHGAON-AURAIYA	S/C	19	14	0.1	0.2	-0.1	
48	132kV	MALANPUR-AURAIYA	S/C	0	49	0.0	0.6	-0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>43.7</b>	<b>192.3</b>	<b>-148.6</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC LINK	BHADRAWATI B/B	-	0	700	0.0	11.1	-11.1	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1216	524	6.5	0.0	6.5	
53		WARDHA-NIZAMABAD	D/C	0	1769	0.0	22.4	-22.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	963	0	14.1	0.0	14.1	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	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>22.1</b>	<b>33.5</b>	<b>-11.4</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>15.3</b>	
59		NEPAL						<b>-8.1</b>	
60		BANGLADESH						<b>-14.4</b>	