



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 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi - 110016
- 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
- मुख्य महाप्रबंधक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतेिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- कार्यकारी निदेशक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 15.05.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-मई-2019 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 2019, 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-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52145	49582	41474	19421	2374	164996
Peak Shortage (MW)	605	0	65	0	109	779
Energy Met (MU)	1152	1217	1026	441	42	3877
Hydro Gen (MU)	252	47	79	59	16	454
Wind Gen (MU)	24	89	85	-----	-----	198
Solar Gen (MU)*	24.82	25.3	81.70	2.15	-----	134
Energy Shortage (MU)	10.8	0.0	0.6	0.0	2.5	13.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54306 00:00	54487 15:27	45156 14:39	21132 22:59	2375 18:44	171476 00:00

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	0.047	0.00	0.97	10.07	11.04	75.05	13.91

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	7082	0	153.8	79.2	-3.0	89	0.0	
	Haryana	7626	0	150.7	114.1	-0.5	277	0.0	
	Rajasthan	10399	0	221.5	65.1	-1.9	542	0.0	
	Delhi	5172	0	102.7	90.8	-1.0	145	0.0	
	UP	19467	0	401.4	176.1	-1.0	417	0.0	
	Uttarakhand	1999	0	41.7	19.3	-0.6	249	0.0	
	HP	1445	0	29.6	8.6	1.6	151	0.0	
	J&K	2419	605	45.9	25.7	-0.8	266	10.8	
WR	Chandigarh	243	0	4.8	5.8	-1.0	0	0.0	
	Chhattisgarh	4043	0	87.4	52.5	-7.4	344	0.0	
	Gujarat	16956	0	376.5	91.7	6.1	846	0.0	
	MP	9263	0	213.9	106.8	0.0	415	0.0	
	Maharashtra	22289	0	497.9	133.4	-0.6	441	0.0	
	Goa	541	0	11.5	11.4	-0.5	56	0.0	
	DD	330	0	7.4	7.1	0.3	36	0.0	
	DNH	772	0	18.1	18.2	-0.1	56	0.0	
SR	Essar steel	238	0	4.2	5.7	-1.5	154	0.0	
	Andhra Pradesh	9351	0	196.7	48.0	0.0	583	0.0	
	Telangana	7885	0	170.1	46.0	0.1	597	0.0	
	Karnataka	11276	0	225.7	57.4	-0.1	715	0.0	
	Kerala	3965	0	84.6	56.7	1.6	217	0.6	
	Tamil Nadu	15307	0	339.4	156.0	1.0	705	0.0	
	Pondy	442	0	9.4	9.1	0.3	88	0.0	
	ER	Bihar	5069	0	100.2	97.9	-0.2	50	0.0
DVC		2957	0	66.5	-48.3	-0.2	150	0.0	
Jharkhand		1230	0	25.5	16.6	-1.0	120	0.0	
Odisha		3619	0	81.0	24.0	-0.7	200	0.0	
West Bengal		8798	0	166.7	55.0	0.6	300	0.0	
Sikkim		97	0	1.1	1.4	-0.3	25	0.0	
NER		Arunachal Pradesh	114	2	2.1	2.6	-0.5	11	0.0
		Assam	1471	28	23.8	19.3	0.7	119	2.0
	Manipur	175	1	2.4	2.2	0.2	28	0.0	
	Meghalaya	310	4	5.1	2.7	0.3	76	0.4	
	Mizoram	95	2	1.7	1.5	0.2	15	0.0	
	Nagaland	126	3	2.2	1.9	0.2	17	0.0	
	Tripura	217	12	4.2	4.2	0.0	56	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.3	-9.5	-26.5
Day peak (MW)	545.1	-582.1	-1127.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	220.0	-261.8	107.8	-54.8	-10.8	0.3
Actual(MU)	202.0	-270.3	135.1	-58.9	-12.2	-4.2
O/D/U/D(MU)	-17.9	-8.4	27.3	-4.1	-1.4	-4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4407	13919	9352	1350	35	29064
State Sector	10070	13545	3520	3405	50	30590
Total	14477	27464	12872	4755	85	59653

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	560	1243	533	470	14	2821
Lignite	21	15	46	0	0	82
Hydro	252	48	79	59	16	454
Nuclear	28	31	33	0	0	92
Gas, Naptha & Diesel	30	48	14	0	30	122
RES (Wind, Solar, Biomass & Others)	71	121	199	2	0	393
Total	963	1505	905	532	59	3964

Share of RES in total generation (%)	7.34	8.04	22.03	0.41	0.07	9.93
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.42	13.26	34.37	11.58	26.97	23.68

H. Diversity Factor

All India Demand Diversity Factor	1.035
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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.

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 16-May-19

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	210	176	0.0	0.2	-0.2
2		SASARAM-FATEHPUR	S/C	108	175	0.1	0.0	0.1
3		GAYA-BALIA	S/C	0	217	0.0	3.4	-3.4
4	HVDC	ALIPURDUAR-AGRA	-	0	900	0.0	21.0	-21.0
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	102	0.0	1.8	-1.8
7		PUSAULI -ALLAHABAD	S/C	43	15	0.7	0.0	0.7
8		MUZAFFARPUR-GORAKHPUR	D/C	26	703	0.0	6.4	-6.4
9		PATNA-BALIA	Q/C	0	649	0.0	11.1	-11.1
10		BIHARSHARIFF-BALIA	D/C	0	311	0.0	5.2	-5.2
11		MOTIHARI-GORAKHPUR	D/C	0	389	0.0	6.0	-6.0
12		BIHARSHARIFF-VARANASI	D/C	171	200	0.0	0.2	-0.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	205	0.0	4.3	-4.3
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.3	0.0	0.3
16		KARMANASA-SAHUPURI	S/C	0	137	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>1.1</b>	<b>60.7</b>	<b>-59.7</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1616	0	28.7	0.0	28.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	781	0	10.2	0.0	10.2
20		JHARSUGUDA-DURG	D/C	151	25	1.5	0.0	1.5
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	267	119	0.9	0.0	0.9
22		RANCHI-SIPAT	D/C	281	0	3.4	0.0	3.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	92	0.0	1.2	-1.2
24		BUDHIPADAR-KORBA	D/C	127	0	0.9	0.0	0.9
<b>ER-WR</b>						<b>45.5</b>	<b>1.2</b>	<b>44.3</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1878.0	0.0	35.0	-35.0
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	574.0	0.0	13.4	-13.4
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1976.0	0.0	40.3	-40.3
28	400 kV	TALCHER-I/C	D/C	87.0	453.0	0.0	2.3	-2.3
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>88.7</b>	<b>-88.7</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	75	395	0.0	3.1	-3
31		ALIPURDUAR-BONGAIGAON	D/C	570	0	8.1	0.0	8
32	220 kV	ALIPURDUAR-SALAKATI	D/C	70	52	0.4	0.0	0
<b>ER-NER</b>						<b>8.4</b>	<b>3.1</b>	<b>5.4</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	300	0.0	7.3	-7.3
<b>NER-NR</b>						<b>0.0</b>	<b>7.3</b>	<b>-7.3</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2005	0.0	38.4	-38.4
35		V'CHAL B/B	D/C	244	3	4.1	0.0	4.1
36		APL -MHG	D/C	0	1730	0.0	40.1	-40.1
37	765 kV	GWALIOR-AGRA	D/C	0	2106	0.0	34.9	-34.9
38		PHAGI-GWALIOR	D/C	0	1038	0.0	16.3	-16.3
39		JABALPUR-ORAI	D/C	0	660	0.0	28.4	-28.4
40		GWALIOR-ORAI	S/C	439	0	6.0	0.0	6.0
41		SATNA-ORAI	S/C	0	1329	0.0	11.4	-11.4
42		CHITORGARH-BANASKANTHA	D/C	158	481	0.0	8.1	8.1
43		ZERDA-KANKROLI	S/C	185	59	1.9	0.0	1.9
44	400 kV	ZERDA -BHINMAL	S/C	82	124	0.0	0.1	-0.1
45		V'CHAL -RIHAND	S/C	978	0	14.4	0.0	14.4
46	220 kV	RAPP-SHUJALPUR	D/C	199	149	0	0	0
47		BHANPURA-KOTA	S/C	38	41	0.0	0.5	-0.4
48		BHANPURA-MORAK	S/C	0	81	0.0	1.4	-1.4
49	132kV	MEHGAON-AURAIYA	S/C	49	36	0.4	0.1	0.3
50		MALANPUR-AURAIYA	S/C	19	50	0.0	0.4	-0.4
51	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>27.1</b>	<b>180.0</b>	<b>-136.7</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	603	0.0	14.4	-14.4
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2293	0.0	36.1	-36.1
55		WARDHA-NIZAMABAD	D/C	0	2272	0.0	35.0	-35.0
56	400 kV	KOLHAPUR-KUDGI	D/C	338	230	1.9	0.0	1.9
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	49	1.0	0.0	1.0
<b>WR-SR</b>						<b>2.9</b>	<b>85.6</b>	<b>-82.7</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						7.3
61		NEPAL						-9.5
62		BANGLADESH						-26.5