



**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: 06<sup>th</sup> May 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. 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
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. मुख्य महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. 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 05.05.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05<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

6-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)	48479	46846	40659	18725	2195	156904
Peak Shortage (MW)	502	0	0	0	255	757
Energy Met (MU)	1077	1184	982	372	34	3648
Hydro Gen (MU)	228	48	75	92	25	469
Wind Gen (MU)	14	65	68	-----	-----	147
Solar Gen (MU)*	27.51	25.20	85.19	0.91	0.04	139
Energy Shortage (MU)	10.3	0.0	0.0	0.0	7.2	17.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53633 23:06	52582 00:22	42521 22:21	19976 20:57	2191 19:06	168619 23:05

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	0.032	0.00	0.00	6.75	6.75	74.11	19.14

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	7081	0	139.6	67.2	-1.8	23	0.0
	Haryana	7556	0	141.8	110.4	-0.7	150	0.0
	Rajasthan	10180	0	223.8	72.7	-1.2	360	0.0
	Delhi	4903	0	96.4	80.7	-0.3	170	0.0
	UP	19360	0	365.3	167.2	1.3	600	0.0
	Uttarakhand	1765	0	37.8	15.5	-0.4	115	0.0
	HP	1244	0	24.7	5.5	0.8	138	0.0
	J&K	2163	541	43.9	27.5	-1.3	119	10.3
WR	Chandigarh	211	0	4.1	4.7	-0.6	0	0.0
	Chhattisgarh	4272	0	94.7	49.5	-3.7	411	0.0
	Gujarat	16080	0	362.8	102.8	3.5	479	0.0
	MP	9163	0	208.6	110.8	0.0	506	0.0
	Maharashtra	20787	0	475.9	142.0	-2.0	448	0.0
	Goa	541	0	10.7	10.2	-0.1	41	0.0
	DD	297	0	6.7	6.4	0.3	31	0.0
	DNH	773	0	18.2	18.2	0.0	56	0.0
SR	Essar steel	350	0	6.3	5.7	0.6	365	0.0
	Andhra Pradesh	8902	0	189.8	55.7	0.1	476	0.0
	Telangana	7423	0	163.0	45.1	-0.2	472	0.0
	Karnataka	10812	0	215.5	74.1	1.7	683	0.0
	Kerala	3873	0	75.3	53.7	1.3	174	0.0
	Tamil Nadu	14345	0	329.5	167.3	0.0	642	0.0
	Pondy	399	0	8.4	8.5	-0.1	34	0.0
ER	Bihar	4985	0	87.9	86.1	-1.1	345	0.0
	DVC	3023	0	65.6	-36.9	1.8	302	0.0
	Jharkhand	1169	0	23.8	14.0	-0.9	185	0.0
	Odisha	3147	0	62.0	19.3	-0.8	198	0.0
	West Bengal	7873	0	131.5	44.8	-1.3	369	0.0
	Sikkim	83	0	1.0	1.5	-0.5	20	0.0
NER	Arunachal Pradesh	96	2	1.8	3.2	-1.4	17	0.0
	Assam	1336	230	18.3	12.5	0.5	120	7.0
	Manipur	120	2	1.9	2.2	-0.3	26	0.0
	Meghalaya	299	0	5.0	1.3	-0.2	74	0.0
	Mizoram	73	1	1.5	1.6	-0.2	12	0.0
	Nagaland	102	3	1.9	1.9	-0.1	12	0.0
	Tripura	240	10	3.4	4.0	-0.4	68	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	27.7	-8.4	-23.4
Day peak (MW)	1522.5	-499.1	-1126.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	232.4	-239.6	97.5	-77.8	-12.9	-0.4
Actual(MU)	212.8	-237.4	132.1	-92.0	-18.6	-3.1
O/D/U/D(MU)	-19.6	2.2	34.7	-14.3	-5.7	-2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5467	11935	7852	1850	91	27194
State Sector	8410	14139	5610	4115	50	32324
Total	13877	26074	13462	5965	141	59518

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	511	1208	501	399	8	2627
Lignite	19	15	42	0	0	76
Hydro	228	48	75	92	25	469
Nuclear	28	31	38	0	0	96
Gas, Naptha & Diesel	35	41	15	0	23	114
RES (Wind, Solar, Biomass & Others)	65	95	185	1	0	346
Total	885	1437	856	492	57	3728

Share of RES in total generation (%)	7.30	6.62	21.62	0.19	0.07	9.28
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.20	12.08	34.84	18.94	44.40	24.44

H. Diversity Factor

All India Demand Diversity Factor	1.014
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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 : 6-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	156	369	0.0	2.7	-2.7
2		SASARAM-FATEHPUR	S/C	27	307	0.0	3.6	-3.6
3		GAYA-BALIA	S/C	43	261	0.0	2.6	-2.6
4	HVDC	ALIPURDUAR-AGRA	-	0	901	0.0	17.5	-17.5
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	83	0.0	0.8	-0.8
7		PUSAULI -ALLAHABAD	S/C	24	53	0.0	0.2	-0.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1187	0.0	15.0	-15.0
9		PATNA-BALIA	Q/C	0	1099	0.0	19.1	-19.1
10		BIHARSHARIFF-BALIA	D/C	0	500	0.0	7.2	-7.2
11		MOTIHARI-GORAKHPUR	D/C	7	346	0.0	5.4	-5.4
12		BIHARSHARIFF-VARANASI	D/C	100	379	0.0	3.5	-3.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	209	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	30	0	0.4	0.0	0.4
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>0.4</b>	<b>82.5</b>	<b>-82.2</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1799	0	30.7	0.0	30.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	766	3	8.3	0.0	8.3
20		JHARSUGUDA-DURG	D/C	78	127	0.0	1.0	-1.0
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	85	193	0.0	2.1	-2.1
22		RANCHI-SIPAT	D/C	236	10	1.8	0.0	1.8
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	121	0.0	1.6	-1.6
24		BUDHIPADAR-KORBA	D/C	125	0	1.9	0.0	1.9
<b>ER-WR</b>						<b>42.7</b>	<b>4.7</b>	<b>38.0</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1848.0	0.0	33.1	-33.1
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	691.0	0.0	16.1	-16.1
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2456.0	0.0	45.4	-45.4
28	400 kV	TALCHER-I/C	D/C	41.0	1001.0	0.0	9.6	-9.6
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>94.6</b>	<b>-94.6</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	327	346	0.6	0.0	1
31		ALIPURDUAR-BONGAIGAON	D/C	548	0	9.0	0.0	9
32	220 kV	ALIPURDUAR-SALAKATI	D/C	83	55	0.7	0.0	1
<b>ER-NER</b>						<b>10.2</b>	<b>0.0</b>	<b>10.2</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	401	0.0	9.6	-9.6
<b>NER-NR</b>						<b>0.0</b>	<b>9.6</b>	<b>-9.6</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	1	825	0.0	6.6	-6.6
35		V'CHAL B/B	D/C	47	0	3.0	0.0	3.0
36		APL -MHG	D/C	0	1170	0.0	29.1	-29.1
37	765 kV	GWALIOR-AGRA	D/C	0	2176	0.0	35.0	-35.0
38		PHAGI-GWALIOR	D/C	0	1196	0.0	21.3	-21.3
39		JABALPUR-ORAI	D/C	0	836	0.0	27.9	-27.9
40		GWALIOR-ORAI	S/C	468	0	9.2	0.0	9.2
41		SATNA-ORAI	S/C	0	1317	0.0	26.7	-26.7
42		CHITORGARH-BANASKANTHA	D/C	477	544	3.0	0.0	3.0
43		ZERDA-KANKROLI	S/C	220	23	1.5	0.0	1.5
44	400 kV	ZERDA -BHINMAL	S/C	99	165	0.0	1.0	-1.0
45		V'CHAL -RIHAND	S/C	488	0	11.2	0.0	11.2
46	220 kV	RAPP-SHUJALPUR	D/C	198	215	0	0	0
47		BHANPURA-KOTA	S/C	49	42	0.1	0.5	-0.4
48		BHANPURA-MORAK	S/C	0	83	0.0	1.2	-1.2
49	132kV	MEHGAON-AURAIYA	S/C	58	0	0.7	0.0	0.7
50		MALANPUR-AURAIYA	S/C	39	30	0.2	0.2	0.0
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>28.8</b>	<b>149.9</b>	<b>-121.0</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	992	0.0	23.7	-23.7
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2291	0.0	32.6	-32.6
55		WARDHA-NIZAMABAD	D/C	0	2032	0.0	28.3	-28.3
56	400 kV	KOLHAPUR-KUDGI	D/C	439	68	5.1	0.0	5.1
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	54	1.1	0.0	1.1
<b>WR-SR</b>						<b>6.2</b>	<b>84.6</b>	<b>-78.4</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						27.7
61		NEPAL						-8.4
62		BANGLADESH						-23.4