



**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: 20<sup>th</sup> Mar 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 19.03.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-मार्च-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 19<sup>th</sup> March 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

20-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42642	48418	46861	20031	2374	160326
Peak Shortage (MW)	772	20	0	0	151	943
Energy Met (MU)	946	1154	1119	398	42	3659
Hydro Gen (MU)	146	31	86	35	3	301
Wind Gen (MU)	19	38	29	-----	-----	85
Solar Gen (MU)*	26.36	25.9	82.15	1.12	0.02	136
Energy Shortage (MU)	12.0	0.1	0.0	0.0	0.6	12.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43943 19:01	53916 10:56	48410 12:36	20371 18:40	2348 18:23	163493 19:05

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	0.038	0.00	0.22	4.25	4.47	74.16	21.38

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	6434	0	130.5	53.7	-1.7	45	0.0
	Haryana	6249	0	127.0	84.9	0.5	213	1.0
	Rajasthan	10747	0	218.3	59.0	-0.2	302	0.0
	Delhi	3445	0	61.7	45.4	-1.2	113	0.0
	UP	14347	270	297.0	124.5	-1.2	482	0.0
	Uttarakhand	1800	0	34.8	22.6	-0.8	98	0.0
	HP	1510	0	26.9	17.2	0.5	103	0.1
WR	J&K	2375	594	46.3	38.6	-0.8	233	10.9
	Chandigarh	179	0	3.1	3.3	-0.3	10	0.0
	Chhattisgarh	4176	0	93.1	27.5	-1.6	855	0.0
	Gujarat	15522	0	341.0	107.6	-0.1	562	0.0
	MP	10581	0	207.8	91.1	-0.3	494	0.0
	Maharashtra	21850	0	466.3	149.8	0.4	1276	0.0
	Goa	499	20	10.5	10.2	0.3	108	0.1
	DD	334	0	7.5	7.0	0.5	100	0.0
	DNH	792	0	18.4	18.4	0.0	127	0.0
	Essar steel	511	0	10.5	10.7	-0.2	274	0.0
SR	Andhra Pradesh	8825	0	196.9	65.3	0.4	655	0.0
	Telangana	10305	0	229.8	99.6	0.0	465	0.0
	Karnataka	12294	0	252.8	75.2	-0.1	542	0.0
	Kerala	3995	0	83.3	55.1	0.9	164	0.0
	Tamil Nadu	15757	0	348.0	191.3	0.1	663	0.0
	Pondy	390	0	8.3	8.3	0.0	69	0.0
ER	Bihar	4255	0	78.3	72.1	0.5	460	0.0
	DVC	3156	0	67.0	-51.3	-0.9	396	0.0
	Jharkhand	1190	0	22.4	17.4	-0.4	169	0.0
	Odisha	4359	0	85.3	33.1	2.0	267	0.0
	West Bengal	7807	0	144.4	40.3	1.8	309	0.0
NER	Sikkim	90	0	1.1	1.6	-0.5	18	0.0
	Arunachal Pradesh	112	1	2.1	2.1	0.0	27	0.0
	Assam	1362	87	23.1	18.7	1.1	105	0.5
	Manipur	176	2	2.5	2.5	0.0	28	0.0
	Meghalaya	334	0	6.0	5.3	-0.1	40	0.0
	Mizoram	97	2	1.9	1.5	0.3	3	0.0
	Nagaland	128	1	2.2	1.9	0.2	36	0.0
Tripura	239	0	3.9	3.1	-0.4	36	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.5	-11.6	-24.6
Day peak (MW)	160.8	-572.7	-1106.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	190.3	-272.1	160.7	-83.1	3.9	-0.3
Actual(MU)	187.4	-286.0	164.2	-66.6	1.7	0.6
O/D/U/D(MU)	-2.9	-13.9	3.5	16.4	-2.3	0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6461	11986	5722	810	536	25515
State Sector	12145	14735	4290	3315	50	34535
Total	18606	26721	10012	4125	586	60050

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	470	1273	640	469	8	2860
Lignite	23	18	39	0	0	81
Hydro	146	31	86	35	3	301
Nuclear	23	31	32	0	0	85
Gas, Naptha & Diesel	29	41	17	0	30	117
RES (Wind, Solar, Biomass & Others)	78	68	151	1	0	299
Total	769	1463	965	506	40	3742
Share of RES in total generation (%)	10.08	4.68	15.69	0.23	0.05	7.98
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.07	8.88	27.83	7.20	7.45	18.29

H. Diversity Factor

All India Demand Diversity Factor	1.034
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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 : 20-Mar-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	0	712	0.0	9.2	-9.2
2		SASARAM-FATEHPUR	S/C	0	320	0.0	5.0	-5.0
3		GAYA-BALIA	S/C	0	382	0.0	6.9	-6.9
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	3	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	38	53	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	21	75	0.0	0.4	-0.4
8		MUZAFFARPUR-GORAKHPUR	D/C	0	810	0.0	9.9	-9.9
9		PATNA-BALIA	Q/C	0	1027	0.0	18.1	-18.1
10		BIHARSHARIFF-BALIA	D/C	0	452	0.0	7.7	-7.7
11		MOTIHARI-GORAKHPUR	D/C	0	312	0.0	6.2	-6.2
12		BIHARSHARIFF-VARANASI	D/C	22	325	0.0	3.0	-3.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	137	0.0	2.5	-2.5
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	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	2	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>0.6</b>	<b>69.0</b>	<b>-68.3</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2309	0	35.0	0.0	35.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	407	211	5.7	0.0	5.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	237	81	2.4	0.0	2.4
21		RANCHI-SIPAT	D/C	231	0	3.3	0.0	3.3
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	108	0.0	1.7	-1.7
23		BUDHIPADAR-KORBA	D/C	203	0	3.9	0.0	3.9
<b>ER-WR</b>						<b>50.3</b>	<b>1.7</b>	<b>48.5</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1890.0	0.0	37.8	-37.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	617.0	0.0	14.6	-14.6
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2454.0	0.0	52.7	-52.7
27	400 kV	TALCHER-I/C	D/C	0.0	805.0	0.0	9.6	-9.6
28	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>105.2</b>	<b>-105.2</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	327	47	4.4	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	440	0	7.0	0.0	7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	67	28	0.7	0.0	1
<b>ER-NER</b>						<b>12.1</b>	<b>0.0</b>	<b>12.1</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	650	0	13.9	0.0	13.9
<b>NER-NR</b>						<b>13.9</b>	<b>0.0</b>	<b>13.9</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2000	0.0	13.5	-13.5
34		V'CHAL B/B	D/C	244	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1921	0.0	48.4	-48.4
36	765 kV	GWALIOR-AGRA	D/C	0	2345	0.0	41.8	-41.8
37		PHAGI-GWALIOR	D/C	0	1255	0.0	20.5	-20.5
38		JABALPUR-ORAI	D/C	0	746	0.0	26.1	-26.1
39		GWALIOR-ORAI	S/C	620	0	10.6	0.0	10.6
40		SATNA-ORAI	S/C	0	1378	0.0	29.0	-29.0
41		CHITORGARH-BANASKANTHA	D/C	0	0	0.4	0.0	0.4
42		ZERDA-KANKROLI	S/C	192	0	3.2	0.0	3.2
43	400 kV	ZERDA -BHINMAL	S/C	148	23	1.3	0.0	1.3
44		V'CHAL -RIHAND	S/C	962	0	22.2	0.0	22.2
45		RAPP-SHUJALPUR	D/C	72	147	0	0	0
46	220 kV	BADOD-KOTA	S/C	37	47	0.3	0.4	-0.1
47		BADOD-MORAK	S/C	16	93	0.0	0.9	-0.9
48		MEHGAON-AURAIYA	S/C	110	0	1.5	0.0	1.5
49	132kV	MALANPUR-AURAIYA	S/C	56	15	0.4	0.0	0.4
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>45.9</b>	<b>180.8</b>	<b>-134.8</b>
<b>Import/Export of WR (With SR)</b>								
51	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.8	-23.8
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2355	0.0	41.7	-41.7
54		WARDHA-NIZAMABAD	D/C	0	2579	0.0	47.9	-47.9
55	400 kV	KOLHAPUR-KUDGI	D/C	592	0	9.0	0.0	9.0
56	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
57		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
58		XELDEM-AMBEWADI	S/C	0	56	0.8	0.0	0.8
<b>WR-SR</b>						<b>9.8</b>	<b>113.5</b>	<b>-103.6</b>
<b>TRANSNATIONAL EXCHANGE</b>								
59		BHUTAN						<b>2.5</b>
60		NEPAL						<b>-11.6</b>
61		BANGLADESH						<b>-24.6</b>