



**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: 22<sup>nd</sup> Feb 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 21.02.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-फरवरी-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 21<sup>st</sup> February 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

22-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43402	48074	44039	18002	2462	155979
Peak Shortage (MW)	674	0	0	0	50	724
Energy Met (MU)	887	1144	1038	376	43	3488
Hydro Gen (MU)	153	26	79	28	3	288
Wind Gen (MU)	8	33	66	-----	-----	107
Solar Gen (MU)*	18.64	22.49	81.99	1.02	0.06	124
Energy Shortage (MU)	10.2	0.3	0.0	0.0	0.3	10.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44389 18:56	54600 11:00	46241 09:39	19140 18:53	2472 18:01	159311 18:57

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	0.071	0.00	3.18	17.28	20.46	66.53	13.01

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	4948	0	97.9	38.2	-1.7	60	0.0	
	Haryana	5993	0	113.4	82.7	-0.2	266	0.0	
	Rajasthan	11656	0	233.4	75.6	-0.4	337	0.0	
	Delhi	3819	0	65.0	61.1	-1.4	140	0.0	
	UP	14329	0	263.7	110.1	0.2	261	0.0	
	Uttarakhand	1994	0	37.0	22.9	-0.2	114	0.0	
	HP	1458	20	30.8	21.1	-1.5	21	0.1	
	J&K	2198	549	42.9	39.7	-4.7	222	10.2	
	Chandigarh	226	0	3.4	3.9	-0.5	13	0.0	
	WR	Chhattisgarh	4019	0	91.1	29.6	-0.5	248	0.3
Gujarat		15307	0	335.8	103.8	3.2	575	0.0	
MP		12016	0	222.8	105.1	-1.2	594	0.0	
Maharashtra		21020	0	442.4	124.0	0.4	535	0.0	
Goa		532	0	11.2	10.2	0.5	88	0.0	
DD		319	0	7.2	6.9	0.3	46	0.0	
DNH		799	0	18.5	18.5	0.0	43	0.0	
Essar steel		677	0	14.9	14.8	0.1	201	0.0	
SR		Andhra Pradesh	8769	0	193.6	76.0	0.6	682	0.0
		Telangana	9624	0	205.5	76.3	1.0	581	0.0
	Karnataka	11698	0	231.5	69.5	-0.7	467	0.0	
	Kerala	3774	0	76.9	55.4	0.8	244	0.0	
	Tamil Nadu	15104	0	323.0	163.7	-1.8	558	0.0	
	Pondy	369	0	7.7	7.8	-0.1	29	0.0	
	ER	Bihar	4089	0	71.1	65.0	0.7	460	0.0
		DVC	3067	0	65.1	-45.3	-0.4	396	0.0
		Jharkhand	1119	0	23.0	17.0	-0.1	169	0.0
		Odisha	4146	0	78.0	24.4	1.0	267	0.0
West Bengal		7177	0	137.0	26.1	0.2	309	0.0	
NER	Sikkim	99	0	1.4	1.5	0.0	18	0.0	
	Arunachal Pradesh	119	3	2.2	2.6	-0.4	16	0.0	
	Assam	1404	35	23.6	19.5	0.2	112	0.2	
	Manipur	183	3	2.6	2.7	-0.1	51	0.0	
	Meghalaya	350	0	6.5	5.4	0.0	33	0.0	
	Mizoram	92	2	1.8	1.5	0.1	5	0.0	
	Nagaland	122	2	2.2	2.2	-0.1	11	0.0	
	Tripura	248	1	3.8	2.1	-0.3	30	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.8	-6.6	-17.2
Day peak (MW)	138.2	-289.0	-836.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	172.8	-234.8	130.1	-75.4	7.7	0.3
Actual(MU)	163.5	-233.3	133.1	-69.7	6.3	-0.1
O/D/U/D(MU)	-9.3	1.5	3.0	5.7	-1.3	-0.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5201	13584	7172	2030	485	28472
State Sector	11135	15976	7120	3065	50	37346
Total	16336	29560	14292	5095	534	65817

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	471	1219	534	442	8	2674
Lignite	22	14	54	0	0	90
Hydro	153	26	79	28	3	288
Nuclear	23	31	35	0	0	90
Gas, Naptha & Diesel	19	40	18	0	29	106
RES (Wind, Solar, Biomass & Others)	58	59	189	1	0	307
Total	746	1389	910	471	40	3555

Share of RES in total generation (%)	7.77	4.25	20.77	0.23	0.15	8.64
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.37	8.37	33.35	6.08	6.84	19.27

H. Diversity Factor

All India Demand Diversity Factor	1.047
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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 : 22-Feb-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	362	0.0	5.4	-5.4
2		SASARAM-FATEHPUR	S/C	61	173	0.0	1.0	-1.0
3		GAYA-BALIA	S/C	0	483	0.0	8.4	-8.4
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	147	0.0	3.1	-3.1
6	400 kV	PUSAULI-VARANASI	S/C	0	122	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	70	0.0	1.0	-1.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	567	0.0	8.7	-8.7
9		PATNA-BALIA	Q/C	0	675	0.0	12.0	-12.0
10		BIHARSHARIFF-BALIA	D/C	0	374	0.0	7.1	-7.1
11		MOTIHARI-GORAKHPUR	D/C	0	252	0.0	4.8	-4.8
12		BIHARSHARIFF-VARANASI	D/C	20	196	0.0	2.2	-2.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	143	0.0	2.4	-2.4
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-CHANDALI	S/C	1	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>0.6</b>	<b>56.2</b>	<b>-55.6</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1835	0	36.5	0.0	36.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	531	282	3.4	0.0	3.4
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	194	82	1.3	0.0	1.3
21		RANCHI-SIPAT	D/C	259	32	3.2	0.0	3.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	106	0.0	1.4	-1.4
23		BUDHIPADAR-KORBA	D/C	178	0	3.4	0.0	3.4
<b>ER-WR</b>						<b>47.9</b>	<b>1.4</b>	<b>46.4</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1663.0	0.0	29.3	-29.3
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	687.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2456.0	0.0	51.9	-51.9
27	400 kV	TALCHER-I/C	D/C	0.0	907.0	0.0	23.6	-23.6
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>97.2</b>	<b>-97.2</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	286	202	1.8	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	203	116	3.9	0.0	4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	25	69	0.1	0.0	0
<b>ER-NER</b>						<b>5.8</b>	<b>0.0</b>	<b>5.8</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	659	0	12.9	0.0	12.9
<b>NER-NR</b>						<b>12.9</b>	<b>0.0</b>	<b>12.9</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	801	0.0	19.0	-19.0
34		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1550	0.0	30.8	-30.8
36	765 kV	GWALIOR-AGRA	D/C	0	2283	0.0	41.4	-41.4
37		PHAGI-GWALIOR	D/C	0	992	0.0	16.3	-16.3
38		JABALPUR-ORAI	D/C	0	636	0.0	22.5	-22.5
39		GWALIOR-ORAI	S/C	600	0	10.8	0.0	10.8
40		SATNA-ORAI	S/C	0	1353	0.0	27.7	-27.7
41	400 kV	ZERDA-KANKROLI	S/C	166	30	2.6	0.0	2.6
42		ZERDA -BHINMAL	S/C	119	228	0.0	1.1	-1.1
43		V'CHAL -RIHAND	S/C	958	0	20.9	0.0	20.9
44		RAPP-SHUJALPUR	D/C	64	242	0	1	-1
45	220 kV	BADOD-KOTA	S/C	35	25	0.0	0.8	-0.8
46		BADOD-MORAK	S/C	0	112	0.0	1.4	-1.4
47		MEHGAON-AURAIYA	S/C	98	0	1.0	0.0	1.0
48		MALANPUR-AURAIYA	S/C	46	29	0.2	0.1	0.1
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>41.5</b>	<b>161.9</b>	<b>-120.4</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.8	-23.8
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	240	1984	0.0	23.3	-23.3
53		WARDHA-NIZAMABAD	D/C	0	2064	0.0	32.0	-32.0
54	400 kV	KOLHAPUR-KUDGI	D/C	797	0	12.3	0.0	12.3
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	3	54	0.0	0.5	-0.5
57		XELDEM-AMBEWADI	S/C	1	66	0.8	0.0	0.8
<b>WR-SR</b>						<b>13.1</b>	<b>79.6</b>	<b>-66.5</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>1.8</b>
59		NEPAL						<b>-6.6</b>
60		BANGLADESH						<b>-17.2</b>