



**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: 28<sup>th</sup> Jan 2019

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. 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 26.01.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-जनवरी-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 27<sup>th</sup> January 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

28-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	40974	43226	36696	17492	2337	140725
Peak Shortage (MW)	934	0	0	0	18	952
Energy Met (MU)	851	995	841	354	41	3081
Hydro Gen (MU)	115	20	64	22	8	229
Wind Gen (MU)	9	88	26	-----	-----	123
Solar Gen (MU)*	23.81	21.72	38.54	0.82	0.04	85
Energy Shortage (MU)	15.1	0.0	0.0	0.0	0.2	15.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42273 18:31	50537 10:28	40674 09:36	18146 18:58	2337 17:40	148383 10:37

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	0.065	0.32	1.57	9.51	11.41	58.50	30.09

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	5215	0	97.9	33.2	-0.2	91	0.0	
	Haryana	5872	0	103.7	62.9	0.8	323	0.2	
	Rajasthan	12078	0	221.8	63.4	-1.8	267	0.0	
	Delhi	4013	0	63.7	50.5	-1.0	196	0.0	
	UP	12222	80	249.1	96.6	0.3	161	3.0	
	Uttarakhand	1965	0	35.6	24.6	0.0	84	0.0	
	HP	1539	22	26.9	22.2	-0.7	121	0.4	
	J&K	2429	607	48.9	43.9	-1.4	276	11.5	
	Chandigarh	210	0	3.3	3.7	-0.4	10	0.0	
	WR	Chhattisgarh	3254	0	69.2	21.1	-1.9	315	0.0
Gujarat		14524	0	300.2	69.4	0.7	720	0.0	
MP		12243	0	222.0	108.1	-0.7	589	0.0	
Maharashtra		18504	0	361.6	91.5	-3.2	600	0.0	
Goa		452	0	9.8	9.2	0.0	39	0.0	
DD		286	0	5.8	5.7	0.0	34	0.0	
DNH		744	0	16.2	15.9	0.3	71	0.0	
Essar steel		499	0	10.0	10.2	-0.2	317	0.0	
SR		Andhra Pradesh	7950	0	162.7	68.4	1.3	446	0.0
		Telangana	7284	0	140.1	69.8	-0.1	449	0.0
	Karnataka	10835	0	197.3	77.9	0.1	490	0.0	
	Kerala	3159	0	61.2	47.9	1.0	194	0.0	
	Tamil Nadu	12659	0	272.9	148.6	0.5	431	0.0	
	Pondy	324	0	6.5	6.7	-0.2	35	0.0	
	ER	Bihar	4040	0	69.8	65.3	0.3	460	0.0
DVC		3100	0	66.4	-42.6	0.4	396	0.0	
Jharkhand		1046	0	22.3	20.8	-0.6	169	0.0	
Odisha		3905	0	82.2	33.4	-0.2	267	0.0	
West Bengal		6151	0	112.4	21.4	0.7	309	0.0	
Sikkim		90	0	1.1	1.6	-0.5	18	0.0	
NER	Arunachal Pradesh	113	2	2.2	2.0	0.2	43	0.0	
	Assam	1390	10	22.5	16.7	1.3	127	0.1	
	Manipur	197	2	2.9	2.9	0.0	19	0.0	
	Meghalaya	341	0	5.9	5.1	0.0	41	0.0	
	Mizoram	88	3	2.0	1.6	0.0	10	0.0	
	Nagaland	130	2	2.2	1.9	0.1	52	0.0	
	Tripura	210	1	3.1	3.7	-0.2	30	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.3	-7.0	-15.5
Day peak (MW)	71.4	-316.0	-832.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	156.4	-225.4	125.0	-58.4	2.4	0.1
Actual(MU)	146.0	-235.5	128.9	-52.3	2.5	-10.4
O/D/U/D(MU)	-10.4	-10.2	4.0	6.1	0.1	-10.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3150	14906	6912	1920	290	27178
State Sector	10040	16936	10510	4375	50	41911
Total	13190	31842	17422	6295	340	69088

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	480	1032	451	408	8	2378
Lignite	18	16	50	0	0	84
Hydro	115	20	64	22	8	229
Nuclear	24	29	32	0	0	85
Gas, Naptha & Diesel	26	34	19	0	27	106
RES (Wind, Solar, Biomass & Others)	61	111	102	1	0	274
Total	724	1241	718	431	43	3156

Share of RES in total generation (%)	8.45	8.91	14.17	0.19	0.09	8.69
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.58	12.88	27.52	5.40	17.81	18.63

H. Diversity Factor

All India Demand Diversity Factor	1.038
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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 : 28-Jan-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	721	0.0	8.8	-8.8
2		SASARAM-FATEHPUR	S/C	45	296	0.0	2.4	-2.4
3		GAYA-BALIA	S/C	0	307	0.0	3.9	-3.9
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	0	149	0.0	3.5	-3.5
6	400 kV	PUSAULI-VARANASI	S/C	0	128	0.0	2.3	-2.3
7		PUSAULI -ALLAHABAD	S/C	0	85	0.0	1.1	-1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	462	0.0	5.3	-5.3
9		PATNA-BALIA	Q/C	0	804	0.0	13.0	-13.0
10		BIHARSHARIFF-BALIA	D/C	0	287	0.0	3.2	-3.2
11		MOTIHARI-GORAKHPUR	D/C	0	439	0.0	7.3	-7.3
12		BIHARSHARIFF-VARANASI	D/C	86	178	0.0	0.1	-0.1
13	220 kV	PUSAULI-SAHUPURI	S/C	0	137	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	25	0	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	35	0	0.5	0.0	0.5
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>1.1</b>	<b>53.4</b>	<b>-52.3</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1645	0	28.9	0.0	28.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	435	280	0.0	0.5	-0.5
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	400	0	4.3	0.0	4.3
21		RANCHI-SIPAT	D/C	233	27	2.0	0.0	2.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	36	53	0.0	0.2	-0.2
23		BUDHIPADAR-KORBA	D/C	151	0	2.3	0.0	2.3
<b>ER-WR</b>						<b>37.5</b>	<b>0.7</b>	<b>36.8</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1870.0	0.0	29.4	-29.4
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	673.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1976.0	0.0	43.2	-43.2
27	400 kV	TALCHER-I/C	D/C	0.0	497.0	0.0	7.7	-7.7
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>88.7</b>	<b>-88.7</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	311	0	4.5	0.0	5
30		ALIPURDUAR-BONGAIGAON	D/C	437	0	7.0	0.0	7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	76	0	0.9	0.0	1
<b>ER-NER</b>						<b>12.4</b>	<b>0.0</b>	<b>12.4</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	664	0	15.3	0.0	15.3
<b>NER-NR</b>						<b>15.3</b>	<b>0.0</b>	<b>15.3</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	951	0.0	22.4	-22.4
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1081	0.0	21.6	-21.6
36		GWALIOR-AGRA	D/C	0	1117	0.0	38.0	-38.0
37	765 kV	PHAGI-GWALIOR	D/C	0	952	0.0	14.1	-14.1
38		JABALPUR-ORAI	D/C	0	633	0.0	21.8	-21.8
39		GWALIOR-ORAI	S/C	590	0	10.2	0.0	10.2
40		SATNA-ORAI	S/C	0	1354	0.0	25.2	-25.2
41	400 kV	ZERDA-KANKROLI	S/C	70	188	0.0	1.3	-1.3
42		ZERDA -BHINMAL	S/C	0	339	0.0	4.4	-4.4
43		V'CHAL -RIHAND	S/C	990	0	19.5	0.0	19.5
44		RAPP-SHUJALPUR	D/C	188	196	0	0	0
45	220 kV	BADOD-KOTA	S/C	32	26	0.2	0.3	-0.1
46		BADOD-MORAK	S/C	0	119	0.0	1.3	-1.3
47		MEHGAON-AURAIYA	S/C	93	0	1.1	0.0	1.1
48		MALANPUR-AURAIYA	S/C	43	28	0.3	0.1	0.2
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>37.3</b>	<b>150.6</b>	<b>-113.3</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.9	-23.9
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	1934	0.0	32.2	-32.2
53		WARDHA-NIZAMABAD	D/C	0	1797	0.0	31.8	-31.8
54	400 kV	KOLHAPUR-KUDGI	D/C	940	66	9.2	0.0	9.2
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	1	62	0.0	1.0	-1.0
57		XELDEM-AMBEWADI	S/C	0	44	0.7	0.0	0.7
<b>WR-SR</b>						<b>9.9</b>	<b>88.9</b>	<b>-79.0</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>1.3</b>
59		NEPAL						<b>-7.0</b>
60		BANGLADESH						<b>-15.5</b>