



**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: 1<sup>st</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, लापालंग, 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 31.01.2019.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 31-जनवरी-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 31<sup>st</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

1-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	46082	46832	41277	18580	2462	155233
Peak Shortage (MW)	523	0	0	0	27	550
Energy Met (MU)	939	1093	910	369	43	3353
Hydro Gen (MU)	119	26	70	18	7	239
Wind Gen (MU)	17	23	56	-----	-----	96
Solar Gen (MU)*	17.51	17.88	75.52	0.93	0.06	112
Energy Shortage (MU)	13.7	0.0	0.0	0.0	0.2	13.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47203 18:31	54638 09:55	42277 07:53	18838 18:42	2376 18:00	158092 18:53

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	0.033	0.00	0.02	3.81	3.83	74.42	21.75

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	5541	0	110.7	33.5	-0.7	63	0.0	
	Haryana	6569	0	126.4	75.2	0.6	135	0.0	
	Rajasthan	12061	0	235.2	60.5	-1.7	170	0.0	
	Delhi	4141	0	71.6	58.4	-1.9	134	0.0	
	UP	14466	0	272.5	111.9	0.4	337	2.2	
	Uttarakhand	2158	0	40.5	26.9	-0.2	111	0.2	
	HP	1647	0	30.9	25.4	0.2	139	0.0	
	J&K	2286	571	47.3	47.4	-5.6	3	11.3	
WR	Chandigarh	233	0	3.9	4.1	-0.2	29	0.0	
	Chhattisgarh	3603	0	78.4	29.8	-0.1	553	0.0	
	Gujarat	15139	0	326.9	93.9	0.7	515	0.0	
	MP	12913	0	237.0	134.9	0.4	742	0.0	
	Maharashtra	20046	0	403.4	115.0	2.6	670	0.0	
	Goa	452	0	11.5	11.6	-0.7	102	0.0	
	DD	308	0	7.0	6.8	0.2	32	0.0	
	DNH	787	0	18.1	17.9	0.2	49	0.0	
SR	Essar steel	510	0	10.8	10.8	0.1	273	0.0	
	Andhra Pradesh	7415	0	150.5	51.3	0.5	688	0.0	
	Telangana	8213	0	166.8	62.6	-0.2	629	0.0	
	Karnataka	11199	0	213.0	72.5	-0.6	677	0.0	
	Kerala	3638	0	70.8	53.6	1.0	195	0.0	
	Tamil Nadu	14179	0	301.5	148.6	0.0	518	0.0	
	Pondy	363	0	7.2	7.5	-0.3	36	0.0	
	ER	Bihar	4164	0	73.6	68.0	0.3	460	0.0
DVC		3046	0	64.8	-45.4	0.6	396	0.0	
Jharkhand		998	0	25.0	17.8	-0.2	169	0.0	
Odisha		3816	0	75.6	27.7	-0.6	267	0.0	
West Bengal		6925	0	128.6	28.2	1.0	309	0.0	
Sikkim		100	0	1.5	1.6	-0.1	18	0.0	
NER		Arunachal Pradesh	117	2	2.2	2.0	0.2	52	0.0
		Assam	1400	15	23.5	18.3	0.8	129	0.2
	Manipur	205	2	2.9	2.9	0.0	21	0.0	
	Meghalaya	338	0	6.2	5.0	0.0	9	0.0	
	Mizoram	97	2	1.9	1.6	0.1	13	0.0	
	Nagaland	145	3	2.2	2.0	0.0	42	0.0	
	Tripura	220	1	3.7	2.7	-0.2	38	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-0.3	-7.0	-15.3
Day peak (MW)	86.5	-315.0	-820.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	180.0	-199.5	91.3	-74.4	3.3	0.8
Actual(MU)	173.6	-204.0	90.5	-67.1	3.0	-4.0
O/D/U/D(MU)	-6.4	-4.5	-0.8	7.3	-0.3	-4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3160	14436	5432	1915	232	25174
State Sector	10810	16249	8810	3145	50	39064
Total	13970	30685	14242	5060	281	64238

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	534	1163	488	441	8	2634
Lignite	18	15	44	0	0	77
Hydro	119	26	70	18	7	239
Nuclear	24	30	33	0	0	87
Gas, Naptha & Diesel	26	36	16	0	28	106
RES (Wind, Solar, Biomass & Others)	65	44	173	1	0	282
Total	785	1314	823	460	43	3425

Share of RES in total generation (%)	8.24	3.32	20.98	0.21	0.14	8.23
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.44	7.60	33.39	4.09	16.61	17.76

H. Diversity Factor

All India Demand Diversity Factor	1.046
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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 : 1-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	837	0.0	12.0	-12.0
2		SASARAM-FATEHPUR	S/C	0	312	0.0	3.7	-3.7
3		GAYA-BALIA	S/C	0	409	0.0	6.9	-6.9
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	148	0.0	3.7	-3.7
6	400 kV	PUSAULI-VARANASI	S/C	0	103	0.0	1.9	-1.9
7		PUSAULI -ALLAHABAD	S/C	0	109	0.0	1.6	-1.6
8		MUZAFFARPUR-GORAKHPUR	D/C	0	606	0.0	7.7	-7.7
9		PATNA-BALIA	Q/C	0	1006	0.0	17.2	-17.2
10		BIHARSHARIFF-BALIA	D/C	0	335	0.0	5.1	-5.1
11		MOTIHARI-GORAKHPUR	D/C	0	406	0.0	7.5	-7.5
12		BIHARSHARIFF-VARANASI	D/C	0	283	0.0	3.1	-3.1
13	220 kV	PUSAULI-SAHUPURI	S/C	0	147	0.0	2.6	-2.6
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.6	0.0	0.6
16		KARMANASA-SAHUPURI	S/C	41	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>0.6</b>	<b>73.0</b>	<b>-72.4</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1482	0	22.4	0.0	22.4
19	400 kV	NEW RANCHI-DHARAMJAIGARH	D/C	367	417	0.1	0.0	0.1
20		JHARSUGUDA-RAIGARH	Q/C	206	208	0.3	0.0	0.3
21		RANCHI-SIPAT	D/C	188	79	1.6	0.0	1.6
22	220 kV	BUDHIPADAR-RAIGARH	S/C	20	74	0.0	0.9	-0.9
23		BUDHIPADAR-KORBA	D/C	117	3	1.2	0.0	1.2
<b>ER-WR</b>						<b>25.6</b>	<b>0.9</b>	<b>24.7</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1687.0	0.0	28.8	-28.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	675.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1982.0	0.0	33.1	-33.1
27	400 kV	TALCHER-I/C	D/C	352.0	514.0	6.1	0.0	6.1
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>77.9</b>	<b>-77.9</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	287	0	4.2	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	397	0	6.6	0.0	7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	100	1	1.2	0.0	1
<b>ER-NER</b>						<b>12.0</b>	<b>0.0</b>	<b>12.0</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	663	0	16.2	0.0	16.2
<b>NER-NR</b>						<b>16.2</b>	<b>0.0</b>	<b>16.2</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1357	0.0	31.8	-31.8
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1079	0.0	26.7	-26.7
36		GWALIOR-AGRA	D/C	0	1048	0.0	38.1	-38.1
37	765 kV	PHAGI-GWALIOR	D/C	0	1055	0.0	15.1	-15.1
38		JABALPUR-ORAI	D/C	0	692	0.0	23.6	-23.6
39		GWALIOR-ORAI	S/C	621	0	10.3	0.0	10.3
40		SATNA-ORAI	S/C	0	1189	0.0	25.1	-25.1
41		ZERDA-KANKROLI	S/C	189	116	0.8	0.0	0.8
42	400 kV	ZERDA -BHINMAL	S/C	110	293	0.0	2.4	-2.4
43		V'CHAL -RIHAND	S/C	975	0	20.6	0.0	20.6
44		RAPP-SHUJALPUR	D/C	194	175	0	0	0
45	220 kV	BADOD-KOTA	S/C	84	15	0.7	0.0	0.7
46		BADOD-MORAK	S/C	5	30	0.0	0.5	-0.5
47		MEHGAON-AURAIYA	S/C	104	0	1.3	0.0	1.3
48		MALANPUR-AURAIYA	S/C	48	22	0.3	0.0	0.3
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>40.0</b>	<b>163.7</b>	<b>-123.6</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	24.0	-24.0
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	196	1629	0.0	21.3	-21.3
53	400 kV	WARDHA-NIZAMABAD	D/C	0	1728	0.0	25.7	-25.7
54		KOLHAPUR-KUDGI	D/C	1018	0	15.5	0.0	15.5
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	0	69	0.0	1.2	-1.2
57		XELDEM-AMBEWADI	S/C	0	50	0.9	0.0	0.9
<b>WR-SR</b>						<b>16.4</b>	<b>72.1</b>	<b>-55.7</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>-0.3</b>
59		NEPAL						<b>-7.0</b>
60		BANGLADESH						<b>-15.3</b>