



**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: 23<sup>rd</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 22.02.2019.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-फरवरी-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 22<sup>nd</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

23-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42736	47584	44410	18639	2428	155797
Peak Shortage (MW)	527	0	0	0	36	563
Energy Met (MU)	896	1152	1038	382	42	3511
Hydro Gen (MU)	170	37	72	27	3	309
Wind Gen (MU)	7	31	70	-----	-----	109
Solar Gen (MU)*	25.66	23.88	82.65	1.03	0.04	133
Energy Shortage (MU)	10.2	0.4	0.0	0.0	0.3	11.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45301 19:12	54739 09:52	46175 09:27	19916 19:16	2470 18:18	160917 19:12

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	0.041	0.00	0.37	8.10	8.47	73.53	18.00

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	5232	0	102.1	40.8	-1.7	69	0.0
	Haryana	6209	0	118.2	84.3	0.6	210	0.0
	Rajasthan	11677	0	235.0	71.3	-1.0	326	0.0
	Delhi	3825	0	65.6	58.5	-1.1	157	0.0
	UP	14908	0	263.8	111.5	0.5	432	0.0
	Uttarakhand	1960	0	37.4	20.3	-0.5	171	0.0
	HP	1492	5	27.5	21.0	-2.0	135	0.1
	J&K	2022	505	43.0	40.8	-7.4	98	10.1
WR	Chandigarh	212	0	3.4	3.9	-0.5	3	0.0
	Chhattisgarh	4030	0	92.1	29.9	0.8	298	0.4
	Gujarat	15145	0	335.9	100.3	3.0	422	0.0
	MP	12230	0	231.0	109.5	0.7	597	0.0
	Maharashtra	20936	0	443.5	126.9	1.3	540	0.0
	Goa	532	0	10.9	9.6	0.8	93	0.0
	DD	317	0	7.2	6.7	0.5	48	0.0
	DNH	783	0	18.4	18.1	0.3	49	0.0
	Essar steel	649	0	13.6	13.6	0.0	257	0.0
	SR	Andhra Pradesh	8610	0	192.6	78.3	0.5	447
Telangana		9950	0	212.4	83.5	1.1	494	0.0
Karnataka		11600	0	229.0	70.3	0.0	514	0.0
Kerala		3710	0	75.1	57.2	1.2	275	0.0
Tamil Nadu		14719	0	321.0	162.2	-0.7	540	0.0
Pondy		372	0	7.8	7.9	-0.1	38	0.0
ER	Bihar	4138	0	73.0	68.2	-0.5	460	0.0
	DVC	3075	0	65.4	-47.9	-0.5	396	0.0
	Jharkhand	999	0	22.3	17.2	-0.3	169	0.0
	Odisha	4363	0	80.6	26.4	1.0	267	0.0
	West Bengal	7511	0	139.4	26.7	2.1	309	0.0
NER	Sikkim	100	0	1.6	1.7	-0.1	18	0.0
	Arunachal Pradesh	117	2	2.2	2.5	-0.3	9	0.0
	Assam	1423	35	23.4	19.2	0.2	122	0.3
	Manipur	179	3	2.6	2.7	0.0	28	0.0
	Meghalaya	363	0	6.4	5.1	0.0	46	0.0
	Mizoram	89	2	1.8	1.4	0.1	5	0.0
	Nagaland	115	3	2.2	2.0	0.1	11	0.0
	Tripura	238	1	3.6	1.0	-0.2	54	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.4	-6.7	-15.4
Day peak (MW)	159.8	-301.0	-875.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	169.9	-238.6	144.7	-78.9	3.3	0.4
Actual(MU)	160.5	-237.4	147.1	-75.4	2.8	-2.4
O/D/U/D(MU)	-9.4	1.2	2.4	3.6	-0.5	-2.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5201	13084	7422	1530	570	27807
State Sector	12455	16266	7760	3105	50	39636
Total	17656	29350	15182	4635	619	67443

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	465	1209	522	458	10	2664
Lignite	20	16	53	0	0	89
Hydro	170	37	72	27	3	309
Nuclear	23	31	38	0	0	93
Gas, Naptha & Diesel	22	41	19	0	29	111
RES (Wind, Solar, Biomass & Others)	64	59	193	1	0	317
Total	765	1393	897	486	42	3583

Share of RES in total generation (%)	8.39	4.23	21.52	0.22	0.10	8.85
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.71	9.09	33.85	5.75	7.06	20.07

H. Diversity Factor

All India Demand Diversity Factor	1.048
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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 : 23-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	393	0.0	4.8	-4.8
2		SASARAM-FATEHPUR	S/C	48	211	0.0	1.5	-1.5
3		GAYA-BALIA	S/C	0	421	0.0	7.7	-7.7
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	147	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	126	0.0	2.3	-2.3
7		PUSAULI-ALLAHABAD	S/C	0	80	0.0	1.2	-1.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	601	0.0	6.9	-6.9
9		PATNA-BALIA	Q/C	0	683	0.0	10.5	-10.5
10		BIHARSHARIFF-BALIA	D/C	0	366	0.0	6.8	-6.8
11		MOTIHARI-GORAKHPUR	D/C	0	213	0.0	4.2	-4.2
12	BIHARSHARIFF-VARANASI	D/C	69	210	0.0	1.6	-1.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	146	0.0	2.7	-2.7
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.6	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>53.7</b>	<b>-53.1</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1926	0	35.9	0.0	35.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	326	318	0.6	0.0	0.6
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	131	138	0.1	0.0	0.1
21		RANCHI-SIPAT	D/C	162	81	1.2	0.0	1.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	6	103	0.0	1.5	-1.5
23		BUDHIPADAR-KORBA	D/C	190	0	3.3	0.0	3.3
<b>ER-WR</b>						<b>41.2</b>	<b>1.5</b>	<b>39.7</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1773.0	0.0	33.9	-33.9
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	2457.0	0.0	51.2	-51.2
27	400 kV	TALCHER-I/C	D/C	0.0	836.0	0.0	16.6	-16.6
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>101.2</b>	<b>-101.2</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	206	358	0.0	0.0	0
30		ALIPURDUAR-BONGAIGAON	D/C	312	298	1.5	0.0	2
31	220 kV	ALIPURDUAR-SALAKATI	D/C	37	100	0.0	0.3	0
<b>ER-NER</b>						<b>1.5</b>	<b>0.3</b>	<b>1.2</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	489	0	5.7	0.0	5.7
<b>NER-NR</b>						<b>5.7</b>	<b>0.0</b>	<b>5.7</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1604	0.0	30.6	-30.6
34		V'CHAL B/B	D/C	244	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1553	0.0	38.7	-38.7
36	765 kV	GWALIOR-AGRA	D/C	0	2056	0.0	33.5	-33.5
37		PHAGI-GWALIOR	D/C	0	821	0.0	12.6	-12.6
38		JABALPUR-ORAI	D/C	0	543	0.0	17.2	-17.2
39		GWALIOR-ORAI	S/C	609	0	9.1	0.0	9.1
40		SATNA-ORAI	S/C	0	1253	0.0	26.1	-26.1
41		ZERDA-KANKROLI	S/C	217	0	3.9	0.0	3.9
42	400 kV	ZERDA -BHINMAL	S/C	207	121	0.2	0.0	0.2
43		V'CHAL -RIHAND	S/C	962	0	19.7	0.0	19.7
44		RAPP-SHUJALPUR	D/C	220	142	0	0	0
45	220 kV	BADOD-KOTA	S/C	34	32	0.3	0.3	0.0
46		BADOD-MORAK	S/C	31	83	0.0	0.8	-0.7
47		MEHGAON-AURAIYA	S/C	102	0	1.3	0.0	1.3
48		MALANPUR-AURAIYA	S/C	49	21	0.3	0.1	0.3
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>41.1</b>	<b>159.8</b>	<b>-118.7</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	995	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	2187	0.0	30.2	-30.2
53		WARDHA-NIZAMABAD	D/C	0	2268	0.0	37.3	-37.3
54	400 kV	KOLHAPUR-KUDGI	D/C	848	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	1	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	1	62	0.7	0.0	0.6
<b>WR-SR</b>						<b>13.0</b>	<b>91.5</b>	<b>-78.5</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>0.4</b>
59		NEPAL						<b>-6.7</b>
60		BANGLADESH						<b>-15.4</b>