



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: 19<sup>th</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., डोंगतेिह, 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 18.02.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-फ़रवरी-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 18<sup>th</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

19-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42465	46304	44082	17163	2394	152408
Peak Shortage (MW)	557	0	0	0	77	634
Energy Met (MU)	867	1096	1006	352	40	3361
Hydro Gen (MU)	131	25	65	31	3	255
Wind Gen (MU)	31	40	32	-----	-----	103
Solar Gen (MU)*	20.23	19.47	79.97	0.91	0.03	121
Energy Shortage (MU)	12.0	0.0	0.0	0.0	2.0	14.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43626 18:59	53811 10:45	45767 11:42	18509 19:12	2422 19:07	157586 09:23

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	0.036	0.00	0.00	7.77	7.77	76.26	15.97

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	5128	0	96.6	36.8	-1.2	43	0.0
	Haryana	6104	0	115.0	82.2	0.2	202	0.0
	Rajasthan	11245	0	217.7	47.1	-1.1	376	0.0
	Delhi	3798	0	64.2	55.6	-1.1	122	0.0
	UP	13816	0	256.7	107.8	0.3	326	0.0
	Uttarakhand	2019	0	36.6	21.9	0.1	95	0.0
	HP	1593	1	29.0	21.3	0.7	116	0.3
	J&K	2227	557	47.8	41.9	-1.0	253	11.7
WR	Chandigarh	210	0	3.5	3.5	-0.1	16	0.0
	Chhattisgarh	3783	0	84.3	24.8	-0.7	400	0.0
	Gujarat	15214	0	324.5	106.7	3.8	681	0.0
	MP	12085	0	218.2	101.1	-0.1	566	0.0
	Maharashtra	20280	0	419.4	119.6	-0.1	632	0.0
	Goa	498	0	11.9	10.8	0.4	34	0.0
	DD	316	0	6.9	6.7	0.2	47	0.0
	DNH	767	0	17.5	17.4	0.1	65	0.0
SR	Essar steel	625	0	12.8	12.2	0.6	328	0.0
	Andhra Pradesh	8556	0	190.1	75.3	1.1	472	0.0
	Telangana	9080	0	195.8	69.9	0.2	785	0.0
	Karnataka	10767	0	220.3	78.9	0.5	454	0.0
	Kerala	3674	0	72.7	55.4	0.7	309	0.0
	Tamil Nadu	14999	0	319.7	168.4	0.7	570	0.0
	Pondy	368	0	7.5	7.6	-0.1	42	0.0
	ER	Bihar	4067	0	70.0	65.9	-0.1	460
DVC		3030	0	63.5	-41.7	-0.5	396	0.0
Jharkhand		999	0	22.0	16.0	-0.9	169	0.0
Odisha		4040	0	74.6	21.7	1.3	267	0.0
West Bengal		6541	0	120.4	20.6	0.0	309	0.0
Sikkim		101	0	1.5	1.6	-0.1	18	0.0
NER	Arunachal Pradesh	132	5	2.2	2.5	-0.3	22	0.2
	Assam	1361	27	20.9	16.5	0.4	205	1.5
	Manipur	186	3	2.9	2.6	0.3	45	0.1
	Meghalaya	393	0	6.3	4.9	-0.2	106	0.0
	Mizoram	102	3	1.7	1.5	0.1	9	0.1
	Nagaland	109	2	2.2	1.9	0.1	16	0.1
Tripura	227	1	3.9	1.6	0.4	36	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.6	-6.8	-19.3
Day peak (MW)	143.8	-314.0	-989.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	148.4	-210.0	129.2	-71.5	4.2	0.3
Actual(MU)	139.4	-220.1	133.8	-67.3	4.7	-9.6
O/D/U/D(MU)	-9.0	-10.2	4.5	4.3	0.5	-9.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4421	15574	5782	2030	510	28317
State Sector	12415	14724	6530	3665	50	37384
Total	16836	30298	12312	5695	559	65701

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	464	1136	552	418	8	2578
Lignite	18	16	55	0	0	89
Hydro	131	25	65	31	3	255
Nuclear	24	31	36	0	0	91
Gas, Naptha & Diesel	26	41	18	0	28	113
RES (Wind, Solar, Biomass & Others)	81	63	152	1	0	297
Total	745	1312	877	449	39	3423

Share of RES in total generation (%)	10.93	4.82	17.29	0.22	0.08	8.68
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.74	9.08	28.80	7.06	8.30	18.79

H. Diversity Factor

All India Demand Diversity Factor	1.042
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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 : 19-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	380	0.0	4.6	-4.6
2		SASARAM-FATEHPUR	S/C	16	208	0.0	2.0	-2.0
3		GAYA-BALIA	S/C	0	431	0.0	6.5	-6.5
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	146	0.0	3.7	-3.7
6	400 kV	PUSAULI-VARANASI	S/C	0	127	0.0	2.6	-2.6
7		PUSAULI -ALLAHABAD	S/C	0	67	0.0	1.2	-1.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	489	0.0	7.5	-7.5
9		PATNA-BALIA	Q/C	0	571	0.0	11.5	-11.5
10		BIHARSHARIFF-BALIA	D/C	0	331	0.0	5.3	-5.3
11		MOTIHARI-GORAKHPUR	D/C	0	256	0.0	4.6	-4.6
12		BIHARSHARIFF-VARANASI	D/C	48	151	0.0	1.4	-1.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	147	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-CHANDAULI	S/C	1	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>0.6</b>	<b>53.5</b>	<b>-52.9</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1568	0	28.2	0.0	28.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	274	429	0.0	0.3	-0.3
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	211	97	1.8	0.0	1.8
21		RANCHI-SIPAT	D/C	194	22	2.2	0.0	2.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	84	0.0	1.0	-1.0
23		BUDHIPADAR-KORBA	D/C	205	0	3.8	0.0	3.8
<b>ER-WR</b>						<b>36.0</b>	<b>1.4</b>	<b>34.6</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1780.0	0.0	30.0	-30.0
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	688.0	0.0	16.4	-16.4
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2162.0	0.0	44.9	-44.9
27	400 kV	TALCHER-I/C	D/C	0.0	728.0	0.0	17.4	-17.4
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>91.3</b>	<b>-91.3</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	322	74	4.0	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	436	0	6.5	0.0	7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	65	42	0.5	0.0	0
<b>ER-NER</b>						<b>11.0</b>	<b>0.0</b>	<b>11.0</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	665	0	16.3	0.0	16.3
<b>NER-NR</b>						<b>16.3</b>	<b>0.0</b>	<b>16.3</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1404	0.0	33.1	-33.1
34		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1080	0.0	26.7	-26.7
36	765 kV	GWALIOR-AGRA	D/C	0	2348	0.0	38.4	-38.4
37		PHAGI-GWALIOR	D/C	0	795	0.0	11.7	-11.7
38		JABALPUR-ORAI	D/C	0	619	0.0	18.8	-18.8
39		GWALIOR-ORAI	S/C	564	0	10.4	0.0	10.4
40		SATNA-ORAI	S/C	0	1232	0.0	24.5	-24.5
41	400 kV	ZERDA-KANKROLI	S/C	232	43	3.2	0.0	3.2
42		ZERDA -BHINMAL	S/C	261	140	1.0	0.0	1.0
43		V'CHAL -RIHAND	S/C	970	0	20.4	0.0	20.4
44		RAPP-SHUJALPUR	D/C	236	178	1	0	1
45	220 kV	BADOD-KOTA	S/C	21	44	0.3	0.2	0.1
46		BADOD-MORAK	S/C	16	104	0.0	0.8	-0.8
47		MEHGAON-AURAIYA	S/C	106	0	1.1	0.0	1.1
48	132kV	MALANPUR-AURAIYA	S/C	54	28	0.3	0.1	0.2
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>43.9</b>	<b>154.1</b>	<b>-110.3</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	21.2	-21.2
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2241	0.0	29.3	-29.3
53		WARDHA-NIZAMABAD	D/C	0	2167	0.0	30.2	-30.2
54	400 kV	KOLHAPUR-KUDGI	D/C	717	178	8.3	0.0	8.3
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	0	71	0.0	1.3	-1.3
57		XELDEM-AMBEWADI	S/C	0	50	0.9	0.0	0.9
<b>WR-SR</b>						<b>9.2</b>	<b>81.9</b>	<b>-72.7</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>0.6</b>
59		NEPAL						<b>-6.8</b>
60		BANGLADESH						<b>-19.3</b>