



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 2020

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 18.02.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-फरवरी-2020 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> Feb 2020, 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-20

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46817	50508	44958	18377	2419	163079
Peak Shortage (MW)	565	0	0	0	53	618
Energy Met (MU)	995	1253	1096	361	41	3745
Hydro Gen (MU)	140	41	86	35	3	305
Wind Gen (MU)	5	25	40	-----	-----	71
Solar Gen (MU)*	42.35	28.70	103.03	0.89	0.03	175
Energy Shortage (MU)	10.1	0.0	0.0	0.0	0.6	10.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	51053 08:13	58133 11:00	51186 08:08	18975 18:58	2457 17:59	176579 07:56

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	0.043	0.00	0.90	7.70	8.60	78.31	13.09

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	6312	0	129.7	83.8	-1.4	40	0.0
	Haryana	6967	0	142.3	88.8	0.1	177	0.0
	Rajasthan	14001	0	250.9	76.3	0.4	382	0.0
	Delhi	3816	0	64.0	48.2	-0.8	176	0.0
	UP	15119	150	292.4	124.8	0.2	757	0.7
	Uttarakhand	1977	0	36.7	17.5	0.0	134	0.0
	HP	1589	0	26.9	19.5	0.3	253	0.0
	J&K(UT) and Ladakh(UT)	2599	650	48.8	41.0	-1.0	229	9.5
	Chandigarh	232	0	3.5	3.4	0.1	27	0.0
WR	Chhattisgarh	3962	0	86.9	38.3	-1.1	262	0.0
	Gujarat	16024	0	353.0	96.1	-2.0	789	0.0
	MP	14301	0	272.0	134.6	-3.2	637	0.0
	Maharashtra	24031	0	493.9	146.5	-0.2	614	0.0
	Goa	503	0	10.3	10.1	-0.3	49	0.0
	DD	337	0	7.4	6.8	0.6	57	0.0
	DNH	800	0	18.7	18.7	0.0	38	0.0
	Essar steel	763	0	10.3	11.1	-0.8	214	0.0
	SR	Andhra Pradesh	9562	0	197.3	73.9	0.5	398
Telangana		12783	0	252.5	138.6	0.8	910	0.0
Karnataka		12486	0	244.1	84.5	-1.0	916	0.0
Kerala		3830	0	77.4	62.3	1.2	222	0.0
Tamil Nadu		14728	0	317.5	169.0	-0.6	415	0.0
Pondy		365	0	7.3	7.7	-0.3	19	0.0
ER	Bihar	3831	0	74.8	71.8	1.3	165	0.0
	DVC	3136	0	63.7	-40.6	-0.6	265	0.0
	Jharkhand	1392	0	23.9	18.7	-0.4	155	0.0
	Odisha	3864	0	71.1	-2.2	-0.2	190	0.0
	West Bengal	6959	0	125.4	30.2	-0.7	395	0.0
	Sikkim	144	0	1.8	1.7	0.1	55	0.0
NER	Arunachal Pradesh	121	2	2.2	2.1	0.0	21	0.0
	Assam	1388	21	22.5	20.0	-0.2	123	0.3
	Manipur	205	3	2.6	2.8	-0.2	29	0.0
	Meghalaya	380	0	6.2	5.5	-0.2	38	0.2
	Mizoram	95	1	1.6	1.5	0.0	37	0.0
	Nagaland	129	2	2.3	2.0	0.1	32	0.0
Tripura	220	0	3.5	2.0	0.0	58	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.4	-10.8	-13.2
Day peak (MW)	408.9	-545.0	-902.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	225.7	-254.6	141.6	-121.3	8.5	-0.1
Actual(MU)	216.9	-255.3	152.4	-123.7	8.1	-1.5
O/D/U/D(MU)	-8.8	-0.6	10.8	-2.4	-0.3	-1.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5453	13253	4832	1355	783	25675
State Sector	12325	12980	8395	4630	11	38341
Total	17778	26232	13227	5985	794	64016

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	496	1310	570	486	12	2875
Lignite	25	18	51	0	0	93
Hydro	140	41	86	35	3	305
Nuclear	24	37	39	0	0	100
Gas, Naptha & Diesel	37	62	16	0	22	137
RES (Wind, Solar, Biomass & Others)	74	62	181	1	0	317
Total	796	1529	943	522	37	3827

Share of RES in total generation (%)	9.31	4.03	19.16	0.18	0.08	8.29
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.94	9.12	32.45	6.85	6.94	18.87

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.030
Based on State Max Demands	1.070

Diversity factor = Sum of regional or state-wise 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-20

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>								
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	379	0.0	8.9	-8.9
1	765kV	GAYA-VARANASI	D/C	0	986	0.0	12.4	-12.4
2		SASARAM-FATEHPUR	S/C	62	205	0.0	2.2	-2.2
3		GAYA-BALIA	S/C	0	455	0.0	4.0	-4.0
6	400 kV	PUSAULI-VARANASI	S/C	0	284	0.0	5.8	-5.8
7		PUSAULI -ALLAHABAD	S/C	0	168	0.0	2.9	-2.9
8		MUZAFFARPUR-GORAKHPUR	D/C	121	429	0.0	2.7	-2.7
9		PATNA-BALIA	Q/C	0	819	0.0	11.6	-11.6
10		BIHARSHARIFF-BALIA	D/C	0	367	0.0	5.3	-5.3
11		MOTIHARI-GORAKHPUR	D/C	0	505	0.0	8.9	-8.9
12		BIHARSHARIFF-VARANASI	D/C	126	201	0.0	0.4	-0.4
13		220 kV	PUSAULI-SAHUPURI	S/C	0	163	0.0	3.0
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	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>0.6</b>	<b>68.1</b>	<b>-67.5</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1536	0	24.1	0.0	24.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	820	0	9.4	0.0	9.4
20		JHARSUGUDA-DURG	D/C	130	122	0.0	0.2	-0.2
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	466	0.0	6.5	-6.5
22		RANCHI-SIPAT	D/C	213	49	1.8	0.0	1.8
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0
24		BUDHIPADAR-KORBA	D/C	74	0	1.1	0.0	1.1
<b>ER-WR</b>						<b>36.3</b>	<b>6.7</b>	<b>29.6</b>
<b>Import/Export of ER (With SR)</b>								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	669.0	0.0	16.3	-16.3
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2453.0	0.0	48.5	-48.5
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2969.0	0.0	52.4	-52.4
28	400 kV	TALCHER-I/C	D/C	978.0	626.0	0.0	4.5	-4.5
29	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>117.2</b>	<b>-117.2</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	521	0.0	7.9	-8
31		ALIPURDUAR-BONGAIGAON	D/C	0	747	0.0	11.5	-12
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	133	0.0	2.0	-2
<b>ER-NER</b>						<b>0.0</b>	<b>21.5</b>	<b>-21.5</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	0.0	12.1	-12.1
<b>NER-NR</b>						<b>0.0</b>	<b>12.1</b>	<b>-12.1</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	0.0	0.0
35		V'CHAL B/B	D/C	0	490	0.0	8.1	-8.1
36	765 kV	APL -MHG	D/C	0	1916	0.0	36.0	-36.0
37		GWALIOR-AGRA	D/C	0	2496	0.0	42.2	-42.2
38		PHAGI-GWALIOR	D/C	0	1614	0.0	25.7	-25.7
39		JABALPUR-ORAI	D/C	0	962	0.0	32.8	-32.8
40		GWALIOR-ORAI	S/C	691	0	11.9	0.0	11.9
41		SATNA-ORAI	S/C	0	1372	0.0	27.7	-27.7
42		CHITTORGARH-BANASKANTHA	D/C	180	768	0.0	3.5	-3.5
43		ZERDA-KANKROLI	S/C	148	160	0.2	0.0	0.2
44	400 kV	ZERDA -BHINMAL	S/C	102	403	0.0	2.4	-2.4
45		V'CHAL -RIHAND	S/C	980	0	22.7	0.0	22.7
46		RAPP-SHUJALPUR	D/C	100	428	0	2	-2
47	220 kV	BHANPURA-RANPUR	S/C	11	95	0.5	0.5	0.0
48		BHANPURA-MORAK	S/C	41	124	0.2	1.2	-1.1
49		MEHGAON-AURAIYA	S/C	90	0	0.8	0.0	0.8
50		MALANPUR-AURAIYA	S/C	145	9	0.9	0.0	0.9
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>37.1</b>	<b>181.7</b>	<b>-144.6</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	1012	0.0	21.1	-21.1
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	596	2401	1.2	27.3	-26.1
55		WARDHA-NIZAMABAD	D/C	0	3128	0.0	48.7	-48.7
56	400 kV	KOLHAPUR-KUDGI	D/C	1042	0	13.6	0.0	13.6
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	2	65	0.0	1.0	-1.0
59		XELDEM-AMBEWADI	S/C	0	99	1.8	0.0	1.8
<b>WR-SR</b>						<b>16.6</b>	<b>98.1</b>	<b>-81.4</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>3.4</b>
61		NEPAL						<b>-10.8</b>
62		BANGLADESH						<b>-13.2</b>