



**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: 07<sup>th</sup> Feb 2020

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. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, 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 06.02.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06<sup>th</sup> Feb 2020, is available at the NLDC website.

धन्यवाद,

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

7-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)	47595	48590	43633	18638	2458	160914
Peak Shortage (MW)	543	0	0	0	48	591
Energy Met (MU)	993	1185	1051	360	42	3632
Hydro Gen (MU)	126	44	89	35	5	299
Wind Gen (MU)	3	57	26	-----	-----	86
Solar Gen (MU)*	39.64	25.60	92.15	1.52	0.05	159
Energy Shortage (MU)	13.5	0.0	0.0	0.0	0.8	14.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50391 19:15	56159 09:47	49085 10:26	18577 18:52	2477 17:49	174096 09:31

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	0.037	0.00	0.00	6.52	6.52	75.76	17.72

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	6298	0	123.8	65.2	-0.7	64	0.0
	Haryana	6744	0	131.6	89.6	-0.1	149	0.0
	Rajasthan	14209	0	251.7	85.4	0.5	324	0.0
	Delhi	4193	0	70.7	55.4	-0.9	208	0.0
	UP	16597	60	292.0	118.3	0.7	740	1.7
	Uttarakhand	2178	0	39.4	22.3	-0.1	96	0.0
	HP	1702	0	30.5	24.6	-1.3	114	0.0
	J&K(UT) and Ladakh(UT)	2696	674	49.7	44.3	0.1	398	11.7
	Chandigarh	259	0	4.1	3.9	0.2	35	0.0
WR	Chhattisgarh	3594	0	75.6	30.1	-1.4	216	0.0
	Gujarat	15857	0	337.0	78.4	5.4	913	0.0
	MP	14555	0	267.7	136.6	-2.7	555	0.0
	Maharashtra	22853	0	463.7	142.8	-4.0	405	0.0
	Goa	490	0	9.8	9.7	-0.3	30	0.0
	DD	315	0	7.1	6.9	0.2	32	0.0
	DNH	782	0	18.2	18.2	0.0	38	0.0
	Essar steel	793	0	5.7	5.8	-0.1	217	0.0
	Andhra Pradesh	9336	0	189.5	64.0	0.1	463	0.0
SR	Telangana	11449	0	226.2	116.2	0.0	685	0.0
	Karnataka	12732	0	239.5	79.1	-0.4	500	0.0
	Kerala	3777	0	75.4	56.7	1.8	300	0.0
	Tamil Nadu	14474	0	312.9	169.8	0.9	644	0.0
	Pondy	373	0	7.5	7.7	-0.2	40	0.0
	Bihar	4485	0	77.0	75.3	-2.0	250	0.0
ER	DVC	3161	0	64.7	-41.5	-1.3	200	0.0
	Jharkhand	1326	0	25.1	21.2	-1.2	50	0.0
	Odisha	3893	0	71.0	9.3	-0.1	300	0.0
	West Bengal	6489	0	120.7	33.3	0.8	450	0.0
	Sikkim	137	0	2.0	1.9	0.1	40	0.0
	Arunachal Pradesh	125	5	2.3	2.2	0.0	23	0.0
NER	Assam	1378	38	22.8	19.8	0.6	94	0.5
	Manipur	195	3	2.7	3.1	-0.4	45	0.0
	Meghalaya	385	2	6.9	6.0	0.2	69	0.3
	Mizoram	111	3	1.6	1.7	-0.4	26	0.0
	Nagaland	121	2	2.3	2.1	0.0	3	0.0
	Tripura	224	10	3.6	1.7	-0.2	40	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.8	-11.5	-11.6
Day peak (MW)	466.7	-586.3	-854.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	235.3	-268.6	122.6	-96.9	7.5	-0.1
Actual(MU)	225.1	-281.3	150.3	-100.4	5.4	-0.9
O/D/U/D(MU)	-10.2	-12.7	27.7	-3.5	-2.1	-0.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5416	14882	6922	1855	703	29778
State Sector	11605	15266	6620	5370	11	38872
Total	17021	30147	13542	7225	715	68650

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	510	1252	557	465	13	2797
Lignite	18	15	47	0	0	80
Hydro	126	44	89	35	5	299
Nuclear	24	33	40	0	0	97
Gas, Naptha & Diesel	33	34	17	0	23	107
RES (Wind, Solar, Biomass & Others)	72	93	152	2	0	318
Total	783	1471	902	502	40	3698

Share of RES in total generation (%)	9.18	6.30	16.89	0.31	0.12	8.61
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.37	11.54	31.16	7.30	11.58	19.31

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.015
Based on State Max Demands	1.082

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 : 7-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	299	0.0	7.3	-7.3
1	765kV	GAYA-VARANASI	D/C	0	894	0.0	10.2	-10.2
2		SASARAM-FATEHPUR	S/C	40	291	0.0	3.6	-3.6
3		GAYA-BALIA	S/C	0	580	0.0	8.6	-8.6
6	400 kV	PUSAULI-VARANASI	S/C	0	221	0.0	4.4	-4.4
7		PUSAULI -ALLAHABAD	S/C	0	156	0.0	2.7	-2.7
8		MUZAFFARPUR-GORAKHPUR	D/C	115	294	0.0	2.6	-2.6
9		PATNA-BALIA	Q/C	0	681	0.0	12.0	-12.0
10		BIHARSHARIFF-BALIA	D/C	0	348	0.0	5.6	-5.6
11		MOTIHARI-GORAKHPUR	D/C	0	492	0.0	9.5	-9.5
12		BIHARSHARIFF-VARANASI	D/C	84	280	0.0	2.2	-2.2
13		220 kV	PUSAULI-SAHUPURI	S/C	0	85	0.0	1.3
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.7	0.0	0.7
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>0.7</b>	<b>70.0</b>	<b>-69.3</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1421	0	25.5	0.0	25.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	811	82	5.8	0.0	5.8
20		JHARSUGUDA-DURG	D/C	364	29	2.6	0.0	2.6
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	140	344	0.0	2.3	-2.3
22		RANCHI-SIPAT	D/C	287	34	1.9	0.0	1.9
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0
24		BUDHIPADAR-KORBA	D/C	95	0	1.3	0.0	1.3
<b>ER-WR</b>						<b>37.1</b>	<b>2.3</b>	<b>34.8</b>
<b>Import/Export of ER (With SR)</b>								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	655.0	0.0	13.0	-13.0
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1982.0	0.0	44.3	-44.3
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2778.0	0.0	50.6	-50.6
28	400 kV	TALCHER-I/C	D/C	231.0	257.0	0.0	1.5	-1.5
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>107.8</b>	<b>-107.8</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	182	478	0.0	4.4	-4
31		ALIPURDUAR-BONGAIGAON	D/C	284	616	0.0	3.9	-4
32	220 kV	ALIPURDUAR-SALAKATI	D/C	56	117	0.0	0.7	-1
<b>ER-NER</b>						<b>0.0</b>	<b>9.0</b>	<b>-9.0</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	489	503	0.0	2.2	-2.2
<b>NER-NR</b>						<b>0.0</b>	<b>2.2</b>	<b>-2.2</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1002	0.0	22.6	-22.6
35		V'CHAL B/B	D/C	447	0	9.7	0.0	9.7
36		APL -MHG	D/C	0	1925	0.0	43.6	-43.6
37	765 kV	GWALIOR-AGRA	D/C	0	2704	0.0	45.9	-45.9
38		PHAGI-GWALIOR	D/C	0	1659	0.0	23.5	-23.5
39		JABALPUR-ORAI	D/C	0	1034	0.0	34.1	-34.1
40		GWALIOR-ORAI	S/C	729	0	11.6	0.0	11.6
41		SATNA-ORAI	S/C	0	1414	0.0	27.6	-27.6
42		CHITTORGARH-BANASKANTHA	D/C	229	864	0.0	4.1	-4.1
43	400 kV	ZERDA-KANKROLI	S/C	122	163	0.0	0.1	-0.1
44		ZERDA -BHINMAL	S/C	0	466	0.0	4.1	-4.1
45		V'CHAL -RIHAND	S/C	996	0	23.0	0.0	23.0
46		RAPP-SHUJALPUR	D/C	51	462	0	2	-2
47	220 kV	BHANPURA-RANPUR	S/C	28	89	0.5	0.3	0.2
48		BHANPURA-MORAK	S/C	27	120	0.1	0.9	-0.8
49		MEHGAON-AURAIYA	S/C	104	0	1.1	0.0	1.1
50	132kV	MALANPUR-AURAIYA	S/C	61	25	0.8	0.0	0.7
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>46.7</b>	<b>208.6</b>	<b>-161.9</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	1006	0.0	23.2	-23.2
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2296	0.0	28.9	-28.9
55		WARDHA-NIZAMABAD	D/C	0	2716	0.0	45.1	-45.1
56	400 kV	KOLHAPUR-KUDGI	D/C	752	0	8.2	0.0	8.2
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	81	1.5	0.0	1.5
<b>WR-SR</b>						<b>9.7</b>	<b>97.3</b>	<b>-87.5</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>1.8</b>
61		NEPAL						<b>-11.5</b>
62		BANGLADESH						<b>-11.6</b>