



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: 04<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., डोंगतिह, 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 03.02.2020.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-फरवरी-2020 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 03<sup>rd</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

4-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)	47975	49234	42415	18407	2463	160494
Peak Shortage (MW)	539	0	0	0	20	559
Energy Met (MU)	959	1183	1006	359	41	3548
Hydro Gen (MU)	121	62	84	30	5	301
Wind Gen (MU)	8	51	33	-----	-----	92
Solar Gen (MU)*	39.48	24.10	85.81	1.54	0.05	151
Energy Shortage (MU)	13.8	0.0	0.0	0.0	0.7	14.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49115 18:49	57364 11:03	47649 09:58	18581 18:55	2529 18:03	170517 09:50

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	0.067	0.00	3.09	14.17	17.26	72.71	10.03

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	5912	0	113.0	64.8	-1.0	46	0.0
	Haryana	6338	0	123.6	85.6	-0.2	286	0.0
	Rajasthan	13830	0	245.1	79.4	1.3	512	0.0
	Delhi	4223	0	70.7	55.1	-0.9	186	0.0
	UP	15964	0	283.5	115.0	0.7	740	1.4
	Uttarakhand	2097	0	38.3	21.2	-0.1	111	0.0
	HP	1712	0	30.2	23.8	-0.9	108	0.0
	J&K(UT) and Ladakh(UT)	2349	587	50.2	45.6	-1.5	160	12.4
	Chandigarh	262	0	4.1	4.1	0.0	21	0.0
WR	Chhattisgarh	3788	0	80.9	34.8	-0.2	252	0.0
	Gujarat	15921	0	332.1	71.3	7.8	697	0.0
	MP	14785	0	270.1	131.6	-1.4	537	0.0
	Maharashtra	22649	0	459.1	131.9	0.5	479	0.0
	Goa	482	0	9.5	9.4	-0.4	41	0.0
	DD	320	0	7.0	6.5	0.5	63	0.0
	DNH	794	0	18.4	17.7	0.7	104	0.0
	Essar steel	759	0	5.4	5.7	-0.3	217	0.0
	Andhra Pradesh	9225	0	184.4	65.2	-1.8	251	0.0
SR	Telangana	10767	0	208.6	104.2	-0.6	602	0.0
	Karnataka	12381	0	233.6	69.2	-1.0	677	0.0
	Kerala	3618	0	73.3	57.2	0.8	211	0.0
	Tamil Nadu	14383	0	298.9	149.4	-1.2	431	0.0
	Pondy	358	0	7.2	7.4	-0.2	47	0.0
	Bihar	4415	0	77.3	69.7	3.4	495	0.0
ER	DVC	3084	0	65.0	-35.0	-1.3	131	0.0
	Jharkhand	1251	0	25.8	16.5	0.0	110	0.0
	Odisha	4009	0	76.0	1.0	-0.8	312	0.0
	West Bengal	6348	0	113.4	25.4	0.5	263	0.0
	Sikkim	136	0	2.0	1.5	0.6	42	0.0
	Arunachal Pradesh	121	3	2.2	2.1	0.0	32	0.0
NER	Assam	1382	5	22.4	19.3	0.4	143	0.4
	Manipur	210	3	2.7	3.1	-0.4	29	0.0
	Meghalaya	385	0	6.7	6.0	-0.2	37	0.3
	Mizoram	105	1	1.7	1.6	-0.1	33	0.0
	Nagaland	127	2	2.3	2.0	0.1	10	0.0
	Tripura	223	0	3.4	1.5	-0.3	19	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.9	-10.7	-11.4
Day peak (MW)	429.7	-552.0	-860.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	232.6	-263.1	105.8	-82.2	6.7	-0.2
Actual(MU)	211.7	-254.6	114.3	-73.7	3.5	1.2
O/D/U/D(MU)	-21.0	8.5	8.6	8.5	-3.2	1.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5688	15613	7432	2555	737	32025
State Sector	12560	14983	5530	4480	11	37564
Total	18248	30595	12962	7035	748	69588

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	480	1210	533	420	11	2654
Lignite	22	12	50	0	0	85
Hydro	121	62	84	30	5	301
Nuclear	24	33	39	0	0	96
Gas, Naptha & Diesel	31	41	18	0	23	113
RES (Wind, Solar, Biomass & Others)	77	86	165	2	0	329
Total	754	1443	889	452	39	3577

Share of RES in total generation (%)	10.17	5.93	18.52	0.35	0.13	9.18
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.35	12.47	32.35	7.03	12.64	20.28

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.083

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 : 4-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	3	297	0.0	7.0	-7.0
1	765kV	GAYA-VARANASI	D/C	79	855	0.0	8.9	-8.9
2		SASARAM-FATEHPUR	S/C	77	408	0.0	3.5	-3.5
3		GAYA-BALIA	S/C	0	459	0.0	6.9	-6.9
6	400 kV	PUSAULI-VARANASI	S/C	6	235	0.0	4.4	-4.4
7		PUSAULI -ALLAHABAD	S/C	0	150	0.0	2.4	-2.4
8		MUZAFFARPUR-GORAKHPUR	D/C	0	646	0.0	5.1	-5.1
9		PATNA-BALIA	Q/C	0	740	0.0	8.1	-8.1
10		BIHARSHARIFF-BALIA	D/C	0	439	0.0	5.7	-5.7
11		MOTIHARI-GORAKHPUR	D/C	0	255	0.0	4.0	-4.0
12		BIHARSHARIFF-VARANASI	D/C	115	312	0.0	1.7	-1.7
13	220 kV	PUSAULI-SAHUPURI	S/C	31	57	0.0	0.4	-0.4
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>58.1</b>	<b>-57.4</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1506	0	19.1	0.0	19.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	542	0	7.0	0.0	7.0
20		JHARSUGUDA-DURG	D/C	217	124	0.5	0.0	0.5
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	70	478	0.0	5.4	-5.4
22		RANCHI-SIPAT	D/C	222	0	2.7	0.0	2.7
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0
24		BUDHIPADAR-KORBA	D/C	65	21	0.6	0.0	0.6
<b>ER-WR</b>						<b>29.8</b>	<b>5.4</b>	<b>24.4</b>
<b>Import/Export of ER (With SR)</b>								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	537.0	0.0	12.3	-12.3
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1747.0	0.0	32.8	-32.8
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2279.0	0.0	44.0	-44.0
28	400 kV	TALCHER-I/C	D/C	720.0	501.0	5.5	0.0	5.5
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>89.1</b>	<b>-89.1</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	236	185	2.2	0.0	2
31		ALIPURDUAR-BONGAIGAON	D/C	364	203	3.8	0.0	4
32	220 kV	ALIPURDUAR-SALAKATI	D/C	73	41	0.7	0.0	1
<b>ER-NER</b>						<b>6.7</b>	<b>0.0</b>	<b>6.7</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	476	0	11.2	0.0	11.2
<b>NER-NR</b>						<b>11.2</b>	<b>0.0</b>	<b>11.2</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2503	0.0	32.2	-32.2
35		V'CHAL B/B	D/C	447	0	12.1	0.0	12.1
36		APL -MHG	D/C	0	1925	0.0	39.7	-39.7
37	765 kV	GWALIOR-AGRA	D/C	0	2582	0.0	48.3	-48.3
38		PHAGI-GWALIOR	D/C	0	1566	0.0	22.3	-22.3
39		JABALPUR-ORAI	D/C	0	943	0.0	33.9	-33.9
40		GWALIOR-ORAI	S/C	770	0	12.0	0.0	12.0
41		SATNA-ORAI	S/C	0	1396	0.0	29.3	-29.3
42		CHITTORGARH-BANASKANTHA	D/C	202	893	0.0	4.9	-4.9
43	400 kV	ZERDA-KANKROLI	S/C	161	157	0.0	0.1	-0.1
44		ZERDA -BHINMAL	S/C	139	404	0.0	2.8	-2.8
45		V'CHAL -RIHAND	S/C	980	0	23.0	0.0	23.0
46		RAPP-SHUJALPUR	D/C	125	396	0	2	-2
47	220 kV	BHANPURA-RANPUR	S/C	24	93	0.1	0.8	-0.7
48		BHANPURA-MORAK	S/C	1	140	0.0	1.6	-1.6
49		MEHGAON-AURAIYA	S/C	98	0	1.3	0.0	1.3
50	132kV	MALANPUR-AURAIYA	S/C	49	25	0.5	0.0	0.4
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>49.0</b>	<b>217.6</b>	<b>-168.6</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	620	0.0	14.7	-14.7
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	270	1881	0.3	20.8	-20.6
55		WARDHA-NIZAMABAD	D/C	0	2196	0.0	36.4	-36.4
56	400 kV	KOLHAPUR-KUDGI	D/C	630	25	7.1	0.0	7.1
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	1.3	0.0	1.3
<b>WR-SR</b>						<b>8.7</b>	<b>72.0</b>	<b>-63.2</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						1.9
61		NEPAL						-10.7
62		BANGLADESH						-11.4