



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: 02<sup>nd</sup> Mar 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 01.03.2020.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-मार्च-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 01<sup>st</sup> Mar 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 2-Mar-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)	38424	45963	40122	17017	2278	143804
Peak Shortage (MW)	502	0	0	0	47	549
Energy Met (MU)	802	1152	1048	337	38	3378
Hydro Gen (MU)	136	26	74	29	5	269
Wind Gen (MU)	33	31	37	-----	-----	102
Solar Gen (MU)*	35.64	26.20	91.63	1.48	0.04	155
Energy Shortage (MU)	10.9	0.0	0.0	0.0	1.1	11.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	40904 19:16	53751 11:46	48004 09:30	17386 20:00	2362 00:00	156933 09:30

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	3.15	3.15	72.29	24.56

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	4915	0	97.8	60.9	-0.3	496	0.0
	Haryana	5020	0	94.5	77.0	0.7	289	0.0
	Rajasthan	12528	0	230.1	50.4	-0.9	559	0.0
	Delhi	3326	0	57.9	41.9	-0.5	202	0.0
	UP	13061	0	215.8	98.0	-2.2	605	0.0
	Uttarakhand	1722	0	31.3	12.2	-0.2	109	0.0
	HP	1502	0	25.0	18.8	-1.2	229	0.0
	J&K(UT) and Ladakh(UT)	2342	586	46.3	41.8	-1.6	229	10.9
	Chandigarh	204	0	3.4	3.1	0.3	43	0.0
	Chhattisgarh	3793	0	85.1	38.8	-1.0	354	0.0
WR	Gujarat	15532	0	346.4	101.7	4.2	638	0.0
	MP	11564	0	222.4	109.2	-5.2	628	0.0
	Maharashtra	22012	0	456.8	149.3	-3.3	462	0.0
	Goa	599	0	11.6	9.7	1.4	39	0.0
	DD	309	0	7.0	6.6	0.4	43	0.0
	DNH	744	0	17.0	17.1	-0.1	36	0.0
	Essar steel	713	0	5.8	6.2	-0.4	245	0.0
	Andhra Pradesh	9762	0	194.0	77.9	0.2	475	0.0
SR	Telangana	12458	0	247.7	138.3	1.0	470	0.0
	Karnataka	11770	0	224.3	76.1	-1.0	637	0.0
	Kerala	3673	0	71.9	59.6	0.8	185	0.0
	Tamil Nadu	13599	0	302.8	168.4	0.1	466	0.0
	Pondy	328	0	7.1	7.4	-0.3	25	0.0
	Bihar	3869	0	70.8	67.5	-1.1	286	0.0
ER	DVC	3038	0	62.9	-33.4	0.2	424	0.0
	Jharkhand	1257	0	23.9	16.5	-0.9	78	0.0
	Odisha	3728	0	67.4	6.1	-2.7	299	0.0
	West Bengal	6143	0	111.1	31.1	1.0	305	0.0
	Sikkim	160	0	1.3	1.5	-0.2	48	0.0
	Arunachal Pradesh	113	1	2.1	2.0	0.0	76	0.0
NER	Assam	1322	30	21.1	17.6	-0.1	134	0.8
	Manipur	185	2	2.6	2.7	-0.1	27	0.0
	Meghalaya	315	0	5.5	4.2	0.0	32	0.2
	Mizoram	90	1	1.7	1.5	-0.2	10	0.0
	Nagaland	122	1	2.1	2.0	0.0	23	0.0
	Tripura	222	0	3.4	1.6	0.2	78	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.0	-9.8	-15.9
Day peak (MW)	663.4	-525.7	-1018.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	160.7	-248.5	164.2	-81.4	4.8	-0.1
Actual(MU)	136.9	-244.7	175.6	-75.4	7.5	0.0
O/D/U/D(MU)	-23.9	3.9	11.4	6.0	2.7	0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6113	12975	5652	1160	727	26626
State Sector	16240	13039	8105	5002	11	42397
Total	22353	26013	13757	6162	738	69023

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	392	1171	522	420	10	2514
Lignite	19	13	47	0	0	79
Hydro	136	26	74	29	5	269
Nuclear	18	37	45	0	0	100
Gas, Naptha & Diesel	30	69	18	0	21	138
RES (Wind, Solar, Biomass & Others)	95	65	164	2	0	326
Total	691	1380	869	450	36	3426

Share of RES in total generation (%)	13.79	4.71	18.92	0.34	0.11	9.52
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.13	9.24	32.56	6.80	13.18	20.30

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.035
Based on State Max Demands	1.096

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 : 2-Mar-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	249	0.0	5.9	-5.9
1	765kV	GAYA-VARANASI	D/C	270	479	0.0	1.3	-1.3
2		SASARAM-FATEHPUR	S/C	174	223	0.4	0.0	0.4
3		GAYA-BALIA	S/C	0	298	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	225	0.0	4.8	-4.8
7		PUSAULI -ALLAHABAD	S/C	0	108	0.0	1.1	-1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	234	290	1.1	0.0	1.1
9		PATNA-BALIA	Q/C	92	475	0.0	4.3	-4.3
10		BIHARSHARIFF-BALIA	D/C	86	236	0.0	1.3	-1.3
11		MOTIHARI-GORAKHPUR	D/C	0	478	0.0	7.9	-7.9
12		BIHARSHARIFF-VARANASI	D/C	265	171	2.7	0.0	2.7
13		220 kV	PUSAULI-SAHUPURI	S/C	0	143	0.0	2.5
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
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>4.6</b>	<b>32.6</b>	<b>-28.0</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1627	0	31.3	0.0	31.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	1006	17	8.8	0.0	8.8
20		JHARSUGUDA-DURG	D/C	0	22	0.0	1.1	-1.1
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	99	450	0.0	3.2	-3.2
22		RANCHI-SIPAT	D/C	304	70	2.4	0.0	2.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	18	102	0.0	0.8	-0.8
24		BUDHIPADAR-KORBA	D/C	156	0	2.4	0.0	2.4
<b>ER-WR</b>						<b>44.8</b>	<b>5.0</b>	<b>39.8</b>
<b>Import/Export of ER (With SR)</b>								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	694.0	0.0	16.2	-16.2
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2470.0	0.0	35.9	-35.9
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	3035.0	0.0	59.9	-59.9
28	400 kV	TALCHER-I/C	D/C	1639.0	694.0	3.2	0.0	3.2
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>112.0</b>	<b>-112.0</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	478	0.0	7.1	-7
31		ALIPURDUAR-BONGAIGAON	D/C	0	722	0.0	11.4	-11
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	138	0.0	1.9	-2
<b>ER-NER</b>						<b>0.0</b>	<b>20.4</b>	<b>-20.4</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	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	901	0.0	3.3	-3.3
35		V'CHAL B/B	D/C	360	0	9.7	0.0	9.7
36	765 kV	APL -MHG	D/C	0	1150	0.0	28.5	-28.5
37		GWALIOR-AGRA	D/C	0	2271	0.0	39.1	-39.1
38		PHAGI-GWALIOR	D/C	0	1443	0.0	20.3	-20.3
39		JABALPUR-ORAI	D/C	0	747	0.0	25.8	-25.8
40		GWALIOR-ORAI	S/C	734	0	9.4	0.0	9.4
41		SATNA-ORAI	S/C	0	1371	0.0	26.0	-26.0
42		CHITTORGARH-BANASKANTHA	D/C	320	744	0.0	2.5	-2.5
43		ZERDA-KANKROLI	S/C	198	79	1.0	0.0	1.0
44	400 kV	ZERDA -BHINMAL	S/C	284	200	0.1	0.0	0.1
45		V'CHAL -RIHAND	S/C	972	0	22.7	0.0	22.7
46		RAPP-SHUJALPUR	D/C	275	296	0	1	-1
47	220 kV	BHANPURA-RANPUR	S/C	20	86	0.5	0.6	-0.1
48		BHANPURA-MORAK	S/C	48	125	0.2	1.3	-1.1
49		MEHGAON-AURAIYA	S/C	63	16	0.5	0.0	0.4
50	132kV	MALANPUR-AURAIYA	S/C	38	34	0.2	0.1	0.1
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>44.2</b>	<b>148.2</b>	<b>-104.0</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	508	0.0	12.3	-12.3
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2902	0.0	43.1	-43.1
55		WARDHA-NIZAMABAD	D/C	0	3260	0.0	54.1	-54.1
56	400 kV	KOLHAPUR-KUDGI	D/C	821	0	10.7	0.0	10.7
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	0	65	0.0	1.1	-1.1
59		XELDEM-AMBEWADI	S/C	0	97	1.9	0.0	1.9
<b>WR-SR</b>						<b>12.6</b>	<b>110.5</b>	<b>-97.9</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>3.0</b>
61		NEPAL						<b>-9.8</b>
62		BANGLADESH						<b>-15.9</b>