



**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: 11<sup>th</sup> Mar 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., डोंगतिह, 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 10.03.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-मार्च-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 10<sup>th</sup> March 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

11-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	38585	45008	42803	16773	2338	145507
Peak Shortage (MW)	792	1	0	0	52	845
Energy Met (MU)	884	1108	1046	369	40	3448
Hydro Gen (MU)	136	21	63	27	4	250
Wind Gen (MU)	17	36	24	-----	-----	78
Solar Gen (MU)*	22.93	26.59	73.98	0.94	0.03	124
Energy Shortage (MU)	10.9	0.1	0.2	0.0	0.4	11.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41342 11:29	51674 09:10	45208 12:38	18815 20:33	2392 18:45	152771 11:17

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	0.061	0.24	0.79	15.30	16.33	68.91	14.76

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	5462	0	112.3	45.5	-1.3	11	0.0	
	Haryana	5735	0	116.8	76.0	0.7	155	0.0	
	Rajasthan	10751	0	217.2	65.3	-2.0	174	0.0	
	Delhi	3434	0	58.1	52.0	-1.0	138	0.0	
	UP	12792	130	273.1	121.3	0.1	271	0.0	
	Uttarakhand	1777	0	33.4	16.9	-0.5	140	0.0	
	HP	1442	0	25.1	18.0	-0.3	97	0.3	
	J&K	2193	548	45.3	37.7	0.6	442	10.6	
	Chandigarh	171	0	2.8	3.2	-0.4	8	0.0	
	WR	Chhattisgarh	4100	0	94.0	46.1	-0.5	271	0.0
Gujarat		14879	0	325.8	106.0	1.1	711	0.0	
MP		11389	0	217.7	112.4	-0.8	443	0.0	
Maharashtra		19992	0	429.6	135.1	-0.4	513	0.0	
Goa		52	5	9.5	8.8	0.1	35	0.1	
DD		313	0	7.2	6.9	0.2	37	0.0	
DNH		765	0	17.9	18.1	-0.1	74	0.0	
Essar steel		316	0	6.6	6.5	0.1	262	0.0	
SR		Andhra Pradesh	8861	0	195.0	75.8	0.3	542	0.0
		Telangana	9917	0	220.5	98.9	0.5	579	0.0
	Karnataka	11488	0	231.5	72.6	-0.3	720	0.0	
	Kerala	3808	0	72.3	57.1	0.5	287	0.0	
	Tamil Nadu	14085	0	319.5	168.7	-1.3	477	0.0	
	Pondy	364	20	7.4	7.9	-0.4	34	0.2	
ER	Bihar	4045	0	73.3	66.5	1.3	460	0.0	
	DVC	3004	0	66.0	-47.3	-0.3	396	0.0	
	Jharkhand	1032	0	23.6	18.1	-0.4	169	0.0	
	Odisha	4201	0	83.3	31.5	1.4	267	0.0	
	West Bengal	6717	0	121.8	32.7	-0.8	309	0.0	
	Sikkim	88	0	1.2	1.5	-0.3	18	0.0	
NER	Arunachal Pradesh	128	2	2.4	2.3	0.1	33	0.0	
	Assam	1322	41	22.5	17.9	0.9	130	0.4	
	Manipur	169	3	2.4	2.6	-0.3	23	0.0	
	Meghalaya	336	0	6.3	5.2	0.1	42	0.0	
	Mizoram	84	1	1.4	1.5	-0.3	8	0.0	
	Nagaland	126	2	1.8	1.9	-0.1	33	0.0	
	Tripura	214	1	3.2	2.1	-0.3	51	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.8	-6.6	-18.6
Day peak (MW)	99.0	-296.0	-1004.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	163.8	-249.6	169.4	-86.6	3.1	0.1
Actual(MU)	160.3	-250.3	175.5	-85.7	1.1	0.8
O/D/U/D(MU)	-3.6	-0.7	6.1	0.8	-2.0	0.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4575	12716	6842	850	542	25525
State Sector	11695	16535	5210	3185	50	36675
Total	16270	29251	12052	4035	592	62199

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	470	1189	594	466	8	2726
Lignite	20	18	41	0	0	79
Hydro	136	21	63	27	4	250
Nuclear	28	31	31	0	0	90
Gas, Naptha & Diesel	22	41	17	0	29	109
RES (Wind, Solar, Biomass & Others)	71	68	140	1	0	280
Total	747	1367	886	494	41	3536

Share of RES in total generation (%)	9.54	4.94	15.83	0.20	0.07	7.92
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.45	8.73	26.45	5.74	9.00	17.56

H. Diversity Factor

All India Demand Diversity Factor	1.044
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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 : 11-Mar-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	724	0.0	9.5	-9.5
2		SASARAM-FATEHPUR	S/C	0	226	0.0	3.4	-3.4
3		GAYA-BALIA	S/C	0	435	0.0	7.2	-7.2
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	4	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	70	8	0.7	0.0	0.7
7		PUSAULI -ALLAHABAD	S/C	71	4	0.9	0.0	0.9
8		MUZAFFARPUR-GORAKHPUR	D/C	0	512	0.0	8.5	-8.5
9		PATNA-BALIA	Q/C	0	871	0.0	17.5	-17.5
10		BIHARSHARIFF-BALIA	D/C	0	439	0.0	7.8	-7.8
11		MOTIHARI-GORAKHPUR	D/C	0	330	0.0	6.4	-6.4
12		BIHARSHARIFF-VARANASI	D/C	50	264	0.0	3.1	-3.1
13	220 kV	PUSAULI-SAHUPURI	S/C	0	134	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>2.2</b>	<b>66.0</b>	<b>-63.7</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1941	0	34.7	0.0	34.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	348	251	0.0	0.4	-0.4
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	134	181	0.0	0.9	-0.9
21		RANCHI-SIPAT	D/C	194	16	1.8	0.0	1.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	123	0.0	2.1	-2.1
23		BUDHIPADAR-KORBA	D/C	141	0	1.0	0.0	1.0
<b>ER-WR</b>						<b>37.4</b>	<b>3.3</b>	<b>34.1</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2153.0	0.0	44.5	-44.5
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	613.0	0.0	14.6	-14.6
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2457.0	0.0	52.4	-52.4
27	400 kV	TALCHER-I/C	D/C	0.0	529.0	0.0	7.6	-7.6
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>111.5</b>	<b>-111.5</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	296	17	4.4	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	425	0	6.6	0.0	7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	57	44	0.6	0.0	1
<b>ER-NER</b>						<b>11.6</b>	<b>0.0</b>	<b>11.6</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	609	0	12.9	0.0	12.9
<b>NER-NR</b>						<b>12.9</b>	<b>0.0</b>	<b>12.9</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	0.0	0.0
34		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1738	0.0	43.6	-43.6
36	765 kV	GWALIOR-AGRA	D/C	0	2209	0.0	40.6	-40.6
37		PHAGI-GWALIOR	D/C	0	1055	0.0	16.9	-16.9
38		JABALPUR-ORAI	D/C	0	651	0.0	23.3	-23.3
39		GWALIOR-ORAI	S/C	549	0	10.4	0.0	10.4
40		SATNA-ORAI	S/C	0	1302	0.0	28.5	-28.5
41		CHITORGARH-BANASKANTHA	D/C	0	0	4.0	0.0	4.0
42		ZERDA-KANKROLI	S/C	174	0	2.5	0.0	2.5
43	400 kV	ZERDA -BHINMAL	S/C	129	97	0.2	0.0	0.2
44		V'CHAL -RIHAND	S/C	972	0	21.7	0.0	21.7
45		RAPP-SHUJALPUR	D/C	13	191	0	1	-1
46	220 kV	BADOD-KOTA	S/C	0	60	0.0	0.9	-0.8
47		BADOD-MORAK	S/C	0	158	0.0	2.1	-2.1
48		MEHGAON-AURAIYA	S/C	105	0	1.6	0.0	1.6
49	132kV	MALANPUR-AURAIYA	S/C	54	9	0.5	0.0	0.5
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>47.0</b>	<b>156.9</b>	<b>-109.9</b>
<b>Import/Export of WR (With SR)</b>								
51	HVDC LINK	BHADRAWATI B/B	-	0	995	0.0	23.9	-23.9
52		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2361	0.0	41.9	-41.9
54		WARDHA-NIZAMABAD	D/C	0	2443	0.0	46.7	-46.7
55	400 kV	KOLHAPUR-KUDGI	D/C	637	0	7.6	0.0	7.6
56	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
57		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
58		XELDEM-AMBEWADI	S/C	0	67	1.1	0.0	1.1
<b>WR-SR</b>						<b>8.7</b>	<b>112.5</b>	<b>-103.8</b>
<b>TRANSNATIONAL EXCHANGE</b>								
59		BHUTAN						<b>0.8</b>
60		NEPAL						<b>-6.6</b>
61		BANGLADESH						<b>-18.6</b>