



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: 16<sup>th</sup> Mar 2019

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
- मुख्य महाप्रबंधक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Chief General Manager, 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 15.03.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-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 15<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

16-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41330	47387	46148	17794	2455	155114
Peak Shortage (MW)	1001	0	0	0	64	1065
Energy Met (MU)	904	1134	1107	392	43	3580
Hydro Gen (MU)	146	30	70	40	3	290
Wind Gen (MU)	12	63	46	-----	-----	122
Solar Gen (MU)*	26.60	24.7	84.08	0.85	0.04	136
Energy Shortage (MU)	11.9	0.0	0.0	0.0	0.8	12.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42591 19:02	52884 11:04	47682 09:41	17982 19:05	2458 18:47	159866 10:25

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	0.021	0.00	0.00	2.06	2.06	82.95	14.99

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	5558	0	111.0	45.8	-0.9	131	0.0	
	Haryana	6102	0	118.4	71.5	0.2	170	0.0	
	Rajasthan	10847	0	218.2	61.8	-0.9	301	0.0	
	Delhi	3745	0	64.2	54.0	-0.6	194	0.0	
	UP	13421	540	278.8	113.3	1.7	547	0.7	
	Uttarakhand	1832	0	35.7	17.6	-0.8	166	0.0	
	HP	1662	0	29.1	20.3	0.4	99	0.0	
	J&K	2194	548	45.8	39.0	-1.2	351	11.2	
	Chandigarh	205	0	3.2	3.8	-0.5	6	0.0	
	WR	Chhattisgarh	4109	0	97.5	35.7	-0.9	731	0.0
Gujarat		15283	0	334.5	94.2	1.6	597	0.0	
MP		10912	0	210.7	95.4	-0.4	493	0.0	
Maharashtra		20667	0	448.9	138.8	0.6	657	0.0	
Goa		440	0	11.6	10.3	0.7	64	0.0	
DD		328	0	7.4	7.1	0.3	33	0.0	
DNH		777	0	18.2	18.2	0.0	50	0.0	
Essar steel		310	0	5.7	5.8	-0.1	270	0.0	
SR		Andhra Pradesh	8714	0	197.4	61.9	0.2	412	0.0
		Telangana	10392	0	229.3	112.1	-0.7	449	0.0
	Karnataka	12214	0	249.9	85.4	0.4	480	0.0	
	Kerala	3980	0	80.9	56.8	1.0	156	0.0	
	Tamil Nadu	15218	0	340.8	185.2	-0.8	396	0.0	
	Pondy	398	0	8.7	8.5	0.3	47	0.0	
	ER	Bihar	4350	0	78.0	73.1	-0.6	460	0.0
DVC		3020	0	63.4	-46.1	-0.4	396	0.0	
Jharkhand		1000	0	20.0	15.1	-1.2	169	0.0	
Odisha		4005	0	85.5	39.5	1.8	267	0.0	
West Bengal		6660	0	143.7	36.7	-0.2	309	0.0	
Sikkim		96	0	1.1	1.8	-0.7	18	0.0	
NER	Arunachal Pradesh	131	2	2.1	2.3	-0.1	53	0.0	
	Assam	1446	57	24.7	19.8	1.7	177	0.7	
	Manipur	177	3	2.3	2.6	-0.3	27	0.0	
	Meghalaya	362	0	6.2	5.3	0.1	47	0.0	
	Mizoram	89	2	1.6	1.4	0.1	5	0.0	
	Nagaland	111	1	2.1	1.9	0.1	6	0.0	
	Tripura	237	1	3.9	3.0	0.1	71	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.7	-11.9	-19.4
Day peak (MW)	144.1	-572.3	-912.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	158.8	-258.1	166.6	-70.4	3.6	0.5
Actual(MU)	159.7	-263.2	164.4	-66.8	1.6	-4.4
O/D/U/D(MU)	0.9	-5.1	-2.2	3.5	-2.0	-4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5741	13476	5522	810	520	26069
State Sector	12085	15390	5090	4055	50	36670
Total	17826	28866	10612	4865	569	62738

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	472	1194	606	462	10	2744
Lignite	23	17	49	0	0	88
Hydro	146	30	70	40	3	290
Nuclear	28	31	31	0	0	90
Gas, Naptha & Diesel	29	42	17	0	28	116
RES (Wind, Solar, Biomass & Others)	70	93	174	1	0	337
Total	768	1406	947	504	42	3666

Share of RES in total generation (%)	9.15	6.58	18.33	0.18	0.10	9.20
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.84	10.89	29.06	8.21	8.37	19.57

H. Diversity Factor

All India Demand Diversity Factor	1.023
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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 : 16-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	556	0.0	6.9	-6.9
2		SASARAM-FATEHPUR	S/C	0	286	0.0	4.6	-4.6
3		GAYA-BALIA	S/C	0	384	0.0	7.1	-7.1
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	3	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	7	70	0.0	0.8	-0.8
7		PUSAULI -ALLAHABAD	S/C	46	43	0.3	0.0	0.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	676	0.0	8.9	-8.9
9		PATNA-BALIA	Q/C	0	851	0.0	16.5	-16.5
10		BIHARSHARIFF-BALIA	D/C	0	379	0.0	7.5	-7.5
11		MOTIHARI-GORAKHPUR	D/C	0	291	0.0	5.7	-5.7
12		BIHARSHARIFF-VARANASI	D/C	71	210	0.0	1.4	-1.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	148	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>0.9</b>	<b>62.0</b>	<b>-61.2</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1987	0	37.1	0.0	37.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	369	52	3.7	0.0	3.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	183	121	0.1	0.0	0.1
21		RANCHI-SIPAT	D/C	213	0	3.0	0.0	3.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	125	0.0	2.1	-2.1
23		BUDHIPADAR-KORBA	D/C	192	0	3.4	0.0	3.4
<b>ER-WR</b>						<b>47.3</b>	<b>2.1</b>	<b>45.2</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1950.0	0.0	39.0	-39.0
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	619.0	0.0	14.6	-14.6
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2447.0	0.0	50.3	-50.3
27	400 kV	TALCHER-I/C	D/C	0.0	636.0	0.0	5.3	-5.3
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>103.9</b>	<b>-103.9</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	255	40	3.0	0.0	3
30		ALIPURDUAR-BONGAIGAON	D/C	367	0	4.8	0.0	5
31	220 kV	ALIPURDUAR-SALAKATI	D/C	64	36	0.4	0.0	0
<b>ER-NER</b>						<b>8.2</b>	<b>0.0</b>	<b>8.2</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	462	10.8	0.0	10.8
<b>NER-NR</b>						<b>10.8</b>	<b>0.0</b>	<b>10.8</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	245	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1922	0.0	48.4	-48.4
36	765 kV	GWALIOR-AGRA	D/C	0	2188	0.0	38.7	-38.7
37		PHAGI-GWALIOR	D/C	0	1053	0.0	18.4	-18.4
38		JABALPUR-ORAI	D/C	0	612	0.0	21.5	-21.5
39		GWALIOR-ORAI	S/C	505	0	9.9	0.0	9.9
40		SATNA-ORAI	S/C	0	1337	0.0	28.2	-28.2
41		CHITORGARH-BANASKANTHA	D/C	0	0	4.1	0.0	4.1
42		ZERDA-KANKROLI	S/C	158	0	3.3	0.0	3.3
43	400 kV	ZERDA -BHINMAL	S/C	164	91	1.0	0.0	1.0
44		V'CHAL -RIHAND	S/C	959	0	21.5	0.0	21.5
45		RAPP-SHUJALPUR	D/C	163	185	0	0	0
46	220 kV	BADOD-KOTA	S/C	26	58	0.0	1.1	-1.1
47		BADOD-MORAK	S/C	0	120	0.0	1.4	-1.4
48		MEHGAON-AURAIYA	S/C	111	0	1.6	0.0	1.6
49	132kV	MALANPUR-AURAIYA	S/C	51	17	0.4	0.0	0.4
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>47.7</b>	<b>157.6</b>	<b>-109.9</b>
<b>Import/Export of WR (With SR)</b>								
51	HVDC LINK	BHADRAWATI B/B	-	0	999	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	2246	0.0	42.6	-42.6
54		WARDHA-NIZAMABAD	D/C	0	2596	0.0	51.3	-51.3
55	400 kV	KOLHAPUR-KUDGI	D/C	651	0	8.7	0.0	8.7
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	1	54	0.8	0.0	0.8
<b>WR-SR</b>						<b>9.5</b>	<b>117.7</b>	<b>-108.1</b>
<b>TRANSNATIONAL EXCHANGE</b>								
59		BHUTAN						<b>1.7</b>
60		NEPAL						<b>-11.9</b>
61		BANGLADESH						<b>-19.4</b>