



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: 29<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., डोंगतेिह, 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 28.03.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28<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

29-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42074	49826	46713	21103	2447	162163
Peak Shortage (MW)	466	0	182	0	137	785
Energy Met (MU)	944	1204	1120	424	43	3734
Hydro Gen (MU)	144	27	92	41	4	308
Wind Gen (MU)	9	48	22	-----	-----	79
Solar Gen (MU)*	29.30	25.92	82.84	1.02	0.06	139
Energy Shortage (MU)	11.8	1.0	0.0	0.0	1.3	14.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43961 19:31	55144 10:55	49026 11:28	21083 19:01	2388 18:19	165617 19:28

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	0.066	0.21	3.00	14.10	17.30	72.14	10.56

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	6283	0	129.8	49.3	-2.0	315	0.0
	Haryana	6065	0	126.3	74.1	-0.2	113	0.0
	Rajasthan	10023	0	214.8	55.2	-0.3	262	0.0
	Delhi	3456	0	67.4	59.7	0.4	317	0.0
	UP	14968	0	308.6	126.1	0.8	263	1.3
	Uttarakhand	1784	0	24.0	14.4	-0.2	102	0.0
	HP	1410	0	25.5	15.1	-0.4	49	0.0
	J&K	2245	561	44.4	37.2	-2.2	335	10.5
WR	Chandigarh	174	0	3.2	3.5	-0.3	1	0.0
	Chhattisgarh	4283	0	97.2	39.5	-0.9	314	1.0
	Gujarat	16129	0	364.6	108.0	1.9	575	0.0
	MP	9949	0	204.8	86.8	-2.0	373	0.0
	Maharashtra	22212	0	487.7	153.8	-2.6	629	0.0
	Goa	502	0	12.4	10.9	0.9	67	0.0
	DD	331	0	7.5	7.1	0.4	35	0.0
	DNH	789	0	18.5	18.4	0.1	57	0.0
SR	Essar steel	521	0	11.0	11.1	-0.1	287	0.0
	Andhra Pradesh	8977	0	198.8	67.4	-0.2	433	0.0
	Telangana	10154	0	225.6	96.2	-0.4	420	0.0
	Karnataka	12729	0	254.3	89.7	1.9	948	0.0
	Kerala	4132	0	86.7	62.3	1.0	281	0.0
	Tamil Nadu	15325	0	346.0	193.7	-0.4	407	0.0
	Pondy	398	0	8.5	8.6	-0.1	38	0.0
	Bihar	4426	0	78.7	74.3	1.0	300	0.0
ER	DVC	3276	0	68.9	-54.1	0.1	150	0.0
	Jharkhand	1209	0	23.8	20.6	0.9	180	0.0
	Odisha	4255	0	90.5	30.1	0.5	250	0.0
	West Bengal	8498	0	160.1	44.6	-0.1	50	0.0
	Sikkim	100	0	1.4	1.4	0.0	30	0.0
	Arunachal Pradesh	121	3	2.1	2.3	-0.2	26	0.0
	Assam	1444	64	24.6	20.4	0.8	123	0.8
	Manipur	178	2	2.5	2.3	0.3	25	0.0
NER	Meghalaya	334	12	5.7	4.9	0.1	38	0.4
	Mizoram	96	2	1.9	1.2	0.5	19	0.0
	Nagaland	128	4	2.2	1.8	0.2	2	0.0
	Tripura	248	1	3.9	2.9	-0.1	46	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.0	-11.6	-23.6
Day peak (MW)	131.7	-626.6	-1133.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	165.0	-251.1	164.0	-82.1	3.8	-0.4
Actual(MU)	156.3	-261.6	170.3	-75.1	5.6	-4.5
O/D/U/D(MU)	-8.7	-10.5	6.3	7.0	1.8	-4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	7295	13651	6652	850	570	29018
State Sector	10775	13268	4490	3635	50	32218
Total	18070	26919	11142	4485	619	61235

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	522	1283	624	495	9	2933
Lignite	23	16	51	0	0	90
Hydro	144	27	92	41	4	308
Nuclear	23	31	37	0	0	92
Gas, Naptha & Diesel	21	42	17	0	29	109
RES (Wind, Solar, Biomass & Others)	69	79	141	1	0	290
Total	803	1478	962	537	42	3822

Share of RES in total generation (%)	8.59	5.35	14.65	0.20	0.14	7.59
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.47	9.26	28.10	7.91	8.88	8.00

H. Diversity Factor

All India Demand Diversity Factor	1.036
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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 : 29-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	498	0.0	7.2	-7.2
2		SASARAM-FATEHPUR	S/C	0	200	0.0	2.8	-2.8
3		GAYA-BALIA	S/C	0	299	0.0	5.8	-5.8
4	HVDC	ALIPURDUAR-AGRA	-	0	151	0.0	0.6	-0.6
5		PUSAULI B/B	S/C	4	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	58	55	0.1	0.0	0.1
7		PUSAULI -ALLAHABAD	S/C	64	19	0.8	0.0	0.8
8		MUZAFFARPUR-GORAKHPUR	D/C	54	646	0.0	5.9	-5.9
9		PATNA-BALIA	Q/C	0	782	0.0	15.4	-15.4
10		BIHARSHARIFF-BALIA	D/C	0	317	0.0	5.5	-5.5
11		MOTIHARI-GORAKHPUR	D/C	0	313	0.0	5.9	-5.9
12		BIHARSHARIFF-VARANASI	D/C	93	210	0.0	1.7	-1.7
13	220 kV	PUSAULI-SAHUPURI	S/C	2	152	0.0	2.5	-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	0.5	0.0	0.5
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>1.4</b>	<b>53.3</b>	<b>-51.9</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1786	0	30.4	0.0	30.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	333	242	2.6	0.0	2.6
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	144	95	0.2	0.0	0.2
21		RANCHI-SIPAT	D/C	140	31	1.3	0.0	1.3
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	118	0.0	1.9	-1.9
23		BUDHIPADAR-KORBA	D/C	141	0	2.0	0.0	2.0
<b>ER-WR</b>						<b>36.5</b>	<b>1.9</b>	<b>34.6</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1934.0	0.0	37.7	-37.7
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2452.0	0.0	51.5	-51.5
27	400 kV	TALCHER-I/C	D/C	0.0	646.0	0.0	6.4	-6.4
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>105.2</b>	<b>-105.2</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	272	349	0.3	0.0	0
30		ALIPURDUAR-BONGAIGAON	D/C	378	218	2.9	0.0	3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	43	127	0.0	0.9	-1
<b>ER-NER</b>						<b>3.2</b>	<b>0.9</b>	<b>2.3</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	607	1	7.8	0.0	7.8
<b>NER-NR</b>						<b>7.8</b>	<b>0.0</b>	<b>7.8</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3003	0.0	8.9	-8.9
34		V'CHAL B/B	D/C	243	53	3.6	0.5	3.1
35		APL -MHG	D/C	0	1551	0.0	38.7	-38.7
36	765 kV	GWALIOR-AGRA	D/C	0	2055	0.0	39.5	-39.5
37		PHAGI-GWALIOR	D/C	0	875	0.0	13.7	-13.7
38		JABALPUR-ORAI	D/C	0	573	0.0	21.6	-21.6
39		GWALIOR-ORAI	S/C	495	0	9.9	0.0	9.9
40		SATNA-ORAI	S/C	0	1248	0.0	27.5	-27.5
41		CHITORGARH-BANASKANTHA	D/C	0	0	0.0	0.0	0.0
42		ZERDA-KANKROLI	S/C	172	37	2.3	0.0	2.3
43	400 kV	ZERDA -BHINMAL	S/C	88	124	0.0	0.1	-0.1
44		V'CHAL -RIHAND	S/C	970	0	21.9	0.0	21.9
45		RAPP-SHUJALPUR	D/C	190	196	0	1	-1
46	220 kV	BADOD-KOTA	S/C	0	75	0.0	1.0	-1.0
47		BADOD-MORAK	S/C	0	107	0.0	1.6	-1.6
48		MEHGAON-AURAIYA	S/C	131	0	1.1	0.0	1.1
49	132kV	MALANPUR-AURAIYA	S/C	34	29	0.1	0.1	0.1
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>38.9</b>	<b>153.7</b>	<b>-114.8</b>
<b>Import/Export of WR (With SR)</b>								
51	HVDC	BHADRAWATI B/B	-	0	992	0.0	23.3	-23.3
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2498	0.0	46.5	-46.5
54		WARDHA-NIZAMABAD	D/C	0	2596	0.0	52.6	-52.6
55	400 kV	KOLHAPUR-KUDGI	D/C	514	0	7.9	0.0	7.9
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	69	1.2	0.0	1.2
<b>WR-SR</b>						<b>9.1</b>	<b>122.5</b>	<b>-113.3</b>
<b>TRANSNATIONAL EXCHANGE</b>								
59		BHUTAN						<b>2.0</b>
60		NEPAL						<b>-11.6</b>
61		BANGLADESH						<b>-23.6</b>