



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: 1st April 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 31.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 31-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 31st 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

1-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	39242	45950	43187	19230	1752	149361
Peak Shortage (MW)	563	0	0	0	676	1239
Energy Met (MU)	916	1161	1063	420	31	3591
Hydro Gen (MU)	180	29	65	47	3	324
Wind Gen (MU)	10	79	39	-----	-----	127
Solar Gen (MU)*	28.14	25.1	83.87	1.01	0.03	138
Energy Shortage (MU)	10.5	0.0	0.0	0.0	9.6	20.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43005 19:44	51126 00:01	45668 00:17	19856 00:01	1679 19:31	155841 19:30

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	0.040	0.00	0.00	0.12	0.12	62.25	37.64

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	5694	0	121.4	49.7	-2.0	296	0.0
	Haryana	5337	0	113.9	63.9	0.3	149	0.0
	Rajasthan	10292	0	217.5	58.5	-0.2	288	0.0
	Delhi	3238	0	69.1	68.6	-1.6	99	0.0
	UP	15758	0	292.2	116.8	0.0	412	0.0
	Uttarakhand	1626	0	34.1	9.0	-0.1	153	0.0
	HP	1250	0	23.1	9.7	-0.8	94	0.0
WR	J&K	2445	611	41.6	31.4	3.8	441	10.5
	Chandigarh	155	0	3.0	3.5	-0.4	1	0.0
	Chhattisgarh	4257	0	97.8	36.7	-2.5	261	0.0
	Gujarat	15416	0	350.5	95.7	0.2	586	0.0
	MP	9704	0	202.5	65.5	-0.4	509	0.0
	Maharashtra	20683	0	462.0	136.3	0.2	827	0.0
	Goa	571	0	12.4	9.4	2.5	56	0.0
	DD	291	0	6.7	6.3	0.4	47	0.0
	DNH	757	0	17.7	17.7	0.0	62	0.0
	Essar steel	591	0	11.7	12.7	-1.0	275	0.0
SR	Andhra Pradesh	8695	0	196.7	67.8	-0.1	416	0.0
	Telangana	9618	0	219.1	101.1	0.1	498	0.0
	Karnataka	11502	0	232.7	81.7	0.9	486	0.0
	Kerala	4008	0	79.3	60.4	1.4	204	0.0
	Tamil Nadu	14529	0	327.0	173.8	0.1	481	0.0
	Pondy	367	0	7.8	8.0	-0.2	33	0.0
ER	Bihar	4419	0	85.1	81.0	0.5	460	0.0
	DVC	3162	0	68.2	-48.2	-0.2	396	0.0
	Jharkhand	1000	0	24.0	19.3	-0.7	169	0.0
	Odisha	4156	0	83.1	37.6	2.0	267	0.0
	West Bengal	7585	0	158.4	46.0	-3.5	309	0.0
NER	Sikkim	73	0	0.8	1.9	-1.1	18	0.0
	Arunachal Pradesh	118	3	1.8	2.4	-0.5	12	0.0
	Assam	948	48	15.2	13.7	-1.7	89	8.0
	Manipur	179	12	2.0	2.4	-0.4	25	0.0
	Meghalaya	325	8	5.4	4.4	0.2	82	0.4
	Mizoram	83	6	1.4	1.4	-0.1	15	0.0
	Nagaland	133	4	1.8	1.9	-0.2	59	0.0
	Tripura	226	16	3.8	2.7	-0.8	41	1.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.8	-8.8	-19.1
Day peak (MW)	337.3	-508.5	-1008.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	130.4	-238.5	157.8	-52.1	1.9	-0.5
Actual(MU)	123.0	-243.1	166.5	-49.3	0.2	-2.7
O/D/U/D(MU)	-7.5	-4.6	8.7	2.8	-1.7	-2.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5595	13866	6072	950	616	27099
State Sector	9510	12190	5380	3195	50	30325
Total	15105	26056	11452	4145	665	57423

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	494	1184	579	458	7	2723
Lignite	19	15	55	0	0	89
Hydro	180	29	65	47	3	324
Nuclear	23	31	33	0	0	87
Gas, Naptha & Diesel	15	41	17	0	25	97
RES (Wind, Solar, Biomass & Others)	70	110	159	1	0	340
Total	801	1410	908	506	35	3660

Share of RES in total generation (%)	8.77	7.81	17.51	0.21	0.09	9.30
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.09	12.10	28.35	9.50	7.86	20.54

H. Diversity Factor

All India Demand Diversity Factor	1.035
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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 : 1-Apr-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)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	5	343	0.0	3.5	-3.5
2		SASARAM-FATEHPUR	S/C	50	195	0.0	1.5	-1.5
3		GAYA-BALIA	S/C	0	212	0.0	2.7	-2.7
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	49	0.0	1.1	-1.1
6	400 kV	PUSAULI-VARANASI	S/C	0	59	0.0	0.8	-0.8
7		PUSAULI -ALLAHABAD	S/C	0	55	0.0	0.3	-0.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	793	0.0	10.1	-10.1
9		PATNA-BALIA	Q/C	0	759	0.0	12.7	-12.7
10		BIHARSHARIFF-BALIA	D/C	0	236	0.0	4.1	-4.1
11		MOTIHARI-GORAKHPUR	D/C	0	269	0.0	5.2	-5.2
12		BIHARSHARIFF-VARANASI	D/C	50	190	0.0	1.5	-1.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	201	0.0	3.1	-3.1
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
ER-NR						0.6	46.7	-46.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2242	0	42.7	0.0	42.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	290	299	1.9	0.0	1.9
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	163	123	0.7	0.0	0.7
21		RANCHI-SIPAT	D/C	123	85	1.1	0.0	1.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	115	0.0	2.0	-2.0
23		BUDHIPADAR-KORBA	D/C	187	0	3.5	0.0	3.5
ER-WR						49.9	2.0	47.9
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2046.0	0.0	38.8	-38.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	10.7	-10.7
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2459.0	0.0	50.2	-50.2
27	400 kV	TALCHER-I/C	D/C	0.0	1084.0	0.0	15.4	-15.4
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	99.7	-99.7
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	397	0	5.1	0.0	5
30		ALIPURDUAR-BONGAIGAON	D/C	477	0	6.8	0.0	7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	89	0	1.0	0.0	1
ER-NER						12.9	0.0	12.9
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	649	0	13.2	0.0	13.2
NER-NR						13.2	0.0	13.2
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	552	0.0	13.0	-13.0
34		V'CHAL B/B	D/C	194	0	4.9	0.0	4.9
35		APL -MHG	D/C	0	1550	0.0	38.7	-38.7
36	765 kV	GWALIOR-AGRA	D/C	0	1906	0.0	29.7	-29.7
37		PHAGI-GWALIOR	D/C	0	635	0.0	8.5	-8.5
38		JABALPUR-ORAI	D/C	0	500	0.0	13.4	-13.4
39		GWALIOR-ORAI	S/C	423	0	8.1	0.0	8.1
40		SATNA-ORAI	S/C	0	1200	0.0	23.2	-23.2
41		CHITORGARH-BANASKANTHA	D/C	0	0	6.1	0.0	6.1
42		ZERDA-KANKROLI	S/C	149	0	2.9	0.0	2.9
43	400 kV	ZERDA -BHINMAL	S/C	82	94	0.0	0.0	0.0
44		V'CHAL -RIHAND	S/C	858	0	16.1	0.0	16.1
45		RAPP-SHUJALPUR	D/C	61	192	0	1	-1
46	220 kV	BADOD-KOTA	S/C	3	53	0.0	1.2	-1.2
47		BADOD-MORAK	S/C	0	123	0.0	1.8	-1.8
48		MEHGAON-AURAIYA	S/C	80	0	1.1	0.0	1.1
49	132kV	MALANPUR-AURAIYA	S/C	47	8	0.4	0.0	0.4
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.7	130.2	-90.5
Import/Export of WR (With SR)								
51	HVDC	BHADRAWATI B/B	-	0	985	0.0	23.5	-23.5
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2262	0.0	40.5	-40.5
54		WARDHA-NIZAMABAD	D/C	0	2605	0.0	52.4	-52.4
55	400 kV	KOLHAPUR-KUDGI	D/C	694	0	10.4	0.0	10.4
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	61	1.3	0.0	1.3
WR-SR						11.7	116.4	-104.7
TRANSNATIONAL EXCHANGE								
59		BHUTAN						5.8
60		NEPAL						-8.8
61		BANGLADESH						-19.1