



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: 13th 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., डोंगतेह, 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 12.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12th 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

13-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41737	48609	45241	17917	2442	155946
Peak Shortage (MW)	1186	99	0	0	59	1344
Energy Met (MU)	918	1160	1101	407	43	3628
Hydro Gen (MU)	143	27	71	33	3	276
Wind Gen (MU)	14	45	36	-----	-----	95
Solar Gen (MU)*	22.35	24.8	80.35	1.03	0.04	129
Energy Shortage (MU)	12.4	0.3	0.0	0.0	0.6	13.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43633 18:53	53778 10:56	48675 09:45	20567 19:00	2429 19:01	161882 11:37

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	0.052	0.00	0.88	11.69	12.57	72.65	14.78

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	5548	0	110.6	43.2	-1.6	75	0.0
	Haryana	6156	0	122.5	74.6	0.6	181	0.0
	Rajasthan	11161	0	230.4	65.0	-0.9	282	0.0
	Delhi	3394	0	61.4	56.0	-1.7	154	0.0
	UP	13570	750	280.6	117.9	0.2	253	1.6
	Uttarakhand	1821	0	35.7	18.7	0.2	182	0.0
	HP	1589	0	28.1	19.8	0.0	109	0.0
	J&K	2622	655	45.5	38.9	-1.4	414	10.8
WR	Chandigarh	188	0	3.2	3.5	-0.3	17	0.0
	Chhattisgarh	4131	99	95.5	44.9	0.2	232	0.3
	Gujarat	15106	0	334.4	110.5	1.4	416	0.0
	MP	11318	0	222.0	107.7	-0.7	486	0.0
	Maharashtra	21662	0	463.7	137.9	-1.4	578	0.0
	Goa	440	0	11.6	9.7	1.3	46	0.0
	DD	335	0	7.5	7.1	0.4	99	0.0
	DNH	799	0	18.6	18.5	0.1	77	0.0
SR	Essar steel	315	0	6.3	6.1	0.2	254	0.0
	Andhra Pradesh	8910	0	199.2	72.6	0.3	586	0.0
	Telangana	10294	0	220.4	110.9	0.6	1117	0.0
	Karnataka	12448	0	248.9	90.1	-0.7	590	0.0
	Kerala	3925	0	80.8	60.9	0.6	203	0.0
	Tamil Nadu	15689	0	343.0	193.8	-1.2	443	0.0
	Pondy	394	0	8.3	8.6	-0.3	31	0.0
	ER	Bihar	4337	0	75.2	69.4	0.4	460
DVC		3191	0	68.2	-49.4	-0.2	396	0.0
Jharkhand		1056	0	24.7	17.9	0.3	169	0.0
Odisha		4424	0	88.8	32.1	1.2	267	0.0
West Bengal		7830	0	148.7	40.0	0.3	309	0.0
Sikkim		100	0	1.4	1.6	-0.3	18	0.0
NER	Arunachal Pradesh	122	3	2.3	2.1	0.2	59	0.0
	Assam	1388	45	24.2	19.4	1.1	137	0.5
	Manipur	196	2	2.4	2.6	-0.3	30	0.0
	Meghalaya	360	0	6.3	5.3	0.0	45	0.0
	Mizoram	96	1	1.7	1.4	0.1	19	0.0
	Nagaland	118	2	1.9	1.9	0.0	19	0.0
	Tripura	228	0	4.0	2.3	0.4	61	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-1.2	-11.7	-20.0
Day peak (MW)	-2.0	-611.0	-1024.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	164.6	-247.0	165.9	-87.0	3.2	-0.4
Actual(MU)	158.1	-248.5	166.9	-82.5	2.3	-3.8
O/D/U/D(MU)	-6.5	-1.5	1.0	4.5	-0.9	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5535	12616	5022	1060	521	24754
State Sector	11225	15285	5770	3395	50	35725
Total	16760	27901	10792	4455	571	60478

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	486	1230	609	482	9	2817
Lignite	28	18	58	0	0	104
Hydro	143	27	71	33	3	276
Nuclear	28	31	31	0	0	90
Gas, Naptha & Diesel	26	43	15	0	30	114
RES (Wind, Solar, Biomass & Others)	67	74	159	1	0	301
Total	777	1423	944	516	42	3702
Share of RES in total generation (%)	8.56	5.21	16.85	0.21	0.09	8.13
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.55	9.28	27.59	6.54	7.92	18.01

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 : 13-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)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	0	649	0.0	10.0	-10.0
2		SASARAM-FATEHPUR	S/C	0	223	0.0	3.8	-3.8
3		GAYA-BALIA	S/C	0	428	0.0	7.6	-7.6
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	90	3	0.8	0.0	0.8
7		PUSAULI -ALLAHABAD	S/C	74	1	1.1	0.0	1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	688	0.0	10.0	-10.0
9		PATNA-BALIA	Q/C	0	1028	0.0	19.9	-19.9
10		BIHARSHARIFF-BALIA	D/C	0	441	0.0	8.3	-8.3
11		MOTIHARI-GORAKHPUR	D/C	0	340	0.0	6.1	-6.1
12		BIHARSHARIFF-VARANASI	D/C	36	286	0.0	3.0	-3.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	151	0.0	3.0	-3.0
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						2.5	71.7	-69.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2059	0	39.0	0.0	39.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	347	227	1.8	0.0	1.8
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	142	229	0.0	1.0	-1.0
21		RANCHI-SIPAT	D/C	195	29	2.1	0.0	2.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	129	0.0	2.1	-2.1
23		BUDHIPADAR-KORBA	D/C	198	0	2.8	0.0	2.8
ER-WR						45.7	3.1	42.6
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2475.0	0.0	46.4	-46.4
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	2459.0	0.0	48.9	-48.9
27	400 kV	TALCHER-I/C	D/C	590.0	676.0	0.0	6.9	-6.9
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	109.9	-109.9
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	279	27	4.0	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	385	0	6.5	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	51	51	0.6	0.0	1
ER-NER						11.0	0.0	11.0
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	659	0	14.8	0.0	14.8
NER-NR						14.8	0.0	14.8
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	0.0	0.0
34		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1738	0.0	43.6	-43.6
36	765 kV	GWALIOR-AGRA	D/C	0	2149	0.0	41.4	-41.4
37		PHAGI-GWALIOR	D/C	0	1114	0.0	19.8	-19.8
38		JABALPUR-ORAI	D/C	0	647	0.0	23.6	-23.6
39		GWALIOR-ORAI	S/C	614	0	11.3	0.0	11.3
40		SATNA-ORAI	S/C	0	1296	0.0	27.8	-27.8
41		CHITORGARH-BANASKANTHA	D/C	0	0	5.3	0.0	5.3
42		ZERDA-KANKROLI	S/C	124	0	2.8	0.0	2.8
43	400 kV	ZERDA -BHINMAL	S/C	141	104	0.4	0.0	0.4
44		V'CHAL -RIHAND	S/C	968	0	22.0	0.0	22.0
45		RAPP-SHUJALPUR	D/C	63	136	0	0	0
46	220 kV	BADOD-KOTA	S/C	3	45	0.0	1.0	-1.0
47		BADOD-MORAK	S/C	0	125	0.0	1.6	-1.6
48		MEHGAON-AURAIYA	S/C	112	0	1.7	0.0	1.7
49	132kV	MALANPUR-AURAIYA	S/C	51	6	0.4	0.0	0.4
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						50.0	159.1	-109.2
Import/Export of WR (With SR)								
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	2208	0.0	38.7	-38.7
54		WARDHA-NIZAMABAD	D/C	0	2758	0.0	46.5	-46.5
55	400 kV	KOLHAPUR-KUDGI	D/C	791	0	11.2	0.0	11.2
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	1.2	0.0	1.2
WR-SR						12.4	109.1	-96.7
TRANSNATIONAL EXCHANGE								
59		BHUTAN						-1.2
60		NEPAL						-11.7
61		BANGLADESH						-20.0