



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: 25th 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 24.03.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-मार्च-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 24th 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

25-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	39362	45629	42644	19742	2366	149743
Peak Shortage (MW)	598	0	0	110	41	749
Energy Met (MU)	887	1125	1072	391	41	3516
Hydro Gen (MU)	145	23	70	32	4	273
Wind Gen (MU)	15	43	26	-----	-----	84
Solar Gen (MU)*	24.17	26.05	80.75	1.09	0.05	132
Energy Shortage (MU)	11.0	0.0	0.0	0.3	0.5	11.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41744 19:25	50491 11:25	46666 22:25	19795 18:58	2363 18:50	155775 19:24

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	0.032	0.00	0.43	2.43	2.86	71.48	25.66

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	5678	0	117.9	50.5	-1.5	60	0.0
	Haryana	5464	0	113.6	68.4	0.2	169	0.0
	Rajasthan	10122	0	211.1	71.4	0.1	246	0.0
	Delhi	3114	0	58.2	46.9	-0.1	236	0.0
	UP	14473	0	279.9	119.6	1.2	591	0.0
	Uttarakhand	1656	0	33.0	16.0	0.8	227	0.0
	HP	1358	0	24.6	14.7	0.6	132	0.0
	J&K	2392	598	46.4	36.0	0.6	465	11.0
WR	Chandigarh	151	0	2.7	3.0	-0.2	7	0.0
	Chhattisgarh	3939	0	91.3	36.8	0.1	236	0.0
	Gujarat	15219	0	333.7	114.0	0.9	686	0.0
	MP	10064	0	200.9	65.5	-0.2	421	0.0
	Maharashtra	20442	0	452.0	143.0	0.0	520	0.0
	Goa	502	0	12.4	9.0	2.9	63	0.0
	DD	315	0	7.2	6.8	0.4	47	0.0
	DNH	760	0	17.9	17.9	0.0	61	0.0
SR	Essar steel	542	0	9.1	12.1	-3.0	242	0.0
	Andhra Pradesh	8725	0	195.8	69.5	0.9	495	0.0
	Telangana	9676	0	222.0	107.4	0.2	498	0.0
	Karnataka	11245	0	240.6	76.4	0.5	462	0.0
	Kerala	4001	0	77.5	59.6	0.8	137	0.0
	Tamil Nadu	14329	0	328.1	176.2	0.2	498	0.0
	Pondy	365	0	8.0	8.2	-0.2	37	0.0
	Bihar	4273	0	77.1	71.5	0.2	460	0.0
ER	DVC	3090	0	67.2	-45.8	0.1	396	0.0
	Jharkhand	1136	110	22.9	19.0	-0.4	169	0.3
	Odisha	4328	0	84.9	35.8	1.2	267	0.0
	West Bengal	7067	0	137.4	40.1	0.1	309	0.0
	Sikkim	81	0	1.1	1.2	-0.1	18	0.0
NER	Arunachal Pradesh	107	3	1.9	2.0	0.0	34	0.0
	Assam	1404	25	23.2	18.7	0.8	117	0.5
	Manipur	171	6	2.6	2.3	0.2	22	0.0
	Meghalaya	331	0	5.9	4.9	0.0	40	0.0
	Mizoram	83	2	1.7	1.2	0.3	19	0.0
	Nagaland	101	3	2.1	1.9	0.2	22	0.0
	Tripura	254	8	3.9	3.1	0.4	87	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.8	-10.6	-22.9
Day peak (MW)	86.1	-583.3	-1138.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	176.5	-272.9	160.7	-65.6	1.0	-0.3
Actual(MU)	172.3	-284.3	164.0	-57.9	0.8	-5.1
O/D/U/D(MU)	-4.2	-11.4	3.2	7.7	-0.2	-4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	7291	13523	5902	810	601	28128
State Sector	12300	13910	4810	3315	71	34406
Total	19591	27433	10712	4125	672	62533

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	445	1234	597	466	8	2751
Lignite	22	16	53	0	0	91
Hydro	145	23	70	32	4	273
Nuclear	23	31	34	0	0	89
Gas, Naptha & Diesel	25	37	17	0	31	109
RES (Wind, Solar, Biomass & Others)	69	75	147	1	0	293
Total	728	1417	918	499	43	3605
Share of RES in total generation (%)	9.51	5.29	16.04	0.23	0.12	8.12
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.56	9.14	27.36	6.68	8.34	18.16

H. Diversity Factor

All India Demand Diversity Factor	1.034
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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 : 25-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	545	0.0	9.3	-9.3
2		SASARAM-FATEHPUR	S/C	0	181	0.0	2.8	-2.8
3		GAYA-BALIA	S/C	0	327	0.0	5.1	-5.1
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	110	0	1.9	0.0	1.9
7		PUSAULI -ALLAHABAD	S/C	77	8	1.0	0.0	1.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	659	0.0	9.7	-9.7
9		PATNA-BALIA	Q/C	0	927	0.0	15.2	-15.2
10		BIHARSHARIFF-BALIA	D/C	0	323	0.0	5.7	-5.7
11		MOTIHARI-GORAKHPUR	D/C	0	309	0.0	6.6	-6.6
12		BIHARSHARIFF-VARANASI	D/C	17	325	0.0	3.4	-3.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	131	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	0.6	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						3.4	60.2	-56.8
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1880	0	35.6	0.0	35.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	444	124	3.9	0.0	3.9
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	189	75	1.6	0.0	1.6
21		RANCHI-SIPAT	D/C	196	11	2.7	0.0	2.7
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	68	0.0	0.9	-0.9
23		BUDHIPADAR-KORBA	D/C	134	0	2.1	0.0	2.1
ER-WR						46.0	0.9	45.0
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1943.0	0.0	40.1	-40.1
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	673.0	0.0	16.0	-16.0
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2447.0	0.0	49.8	-49.8
27	400 kV	TALCHER-I/C	D/C	0.0	624.0	0.0	4.7	-4.7
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	105.8	-105.8
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	345	0	6.0	0.0	6
30		ALIPURDUAR-BONGAIGAON	D/C	492	0	8.3	0.0	8
31	220 kV	ALIPURDUAR-SALAKATI	D/C	44	65	0.2	0.0	0
ER-NER						14.5	0.0	14.5
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	662	0	16.2	0.0	16.2
NER-NR						16.2	0.0	16.2
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	322	0.0	4.2	-4.2
34		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1553	0.0	38.7	-38.7
36	765 kV	GWALIOR-AGRA	D/C	0	2446	0.0	45.6	-45.6
37		PHAGI-GWALIOR	D/C	0	1314	0.0	23.6	-23.6
38		JABALPUR-ORAI	D/C	0	735	0.0	26.7	-26.7
39		GWALIOR-ORAI	S/C	577	0	10.3	0.0	10.3
40		SATNA-ORAI	S/C	0	1390	0.0	29.4	-29.4
41		CHITORGARH-BANASKANTHA	D/C	0	0	1.5	0.0	1.5
42		ZERDA-KANKROLI	S/C	127	52	1.4	0.0	1.4
43	400 kV	ZERDA -BHINMAL	S/C	50	116	0.0	0.5	-0.5
44		V'CHAL -RIHAND	S/C	967	0	22.1	0.0	22.1
45		RAPP-SHUJALPUR	D/C	0	347	0	2	-2
46	220 kV	BADOD-KOTA	S/C	9	78	0.0	1.4	-1.4
47		BADOD-MORAK	S/C	0	120	0.0	1.8	-1.8
48		MEHGAON-AURAIYA	S/C	90	0	1.2	0.0	1.2
49	MALANPUR-AURAIYA	S/C	38	33	0.2	0.1	0.1	
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						42.8	174.2	-131.4
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	2257	0.0	39.5	-39.5
54		WARDHA-NIZAMABAD	D/C	0	2625	0.0	52.3	-52.3
55	400 kV	KOLHAPUR-KUDGI	D/C	582	0	9.8	0.0	9.8
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	57	1.1	0.0	1.1
WR-SR						10.9	115.7	-104.8
TRANSNATIONAL EXCHANGE								
59		BHUTAN						1.8
60		NEPAL						-10.6
61		BANGLADESH						-22.9