



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: 12th 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 11.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th 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

12-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	40949	47862	46561	17516	2454	155342
Peak Shortage (MW)	1403	0	218	0	69	1690
Energy Met (MU)	897	1141	1093	394	43	3568
Hydro Gen (MU)	140	25	73	35	4	277
Wind Gen (MU)	12	45	29	-----	-----	86
Solar Gen (MU)*	25.53	26.07	79.89	1.09	0.04	133
Energy Shortage (MU)	10.9	0.3	0.0	0.0	0.7	11.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42337 18:58	53491 10:27	47913 10:28	20228 19:32	2526 18:43	160645 19:15

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	0.062	0.15	2.99	11.26	14.40	74.88	10.72

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	5067	0	106.3	44.8	-1.7	7	0.0	
	Haryana	5944	0	118.8	75.6	-0.8	185	0.0	
	Rajasthan	10770	0	222.7	65.4	-0.6	206	0.0	
	Delhi	3529	0	61.2	55.6	-1.6	202	0.0	
	UP	13158	870	276.5	118.6	0.3	372	0.2	
	Uttarakhand	1878	0	34.7	18.2	0.1	135	0.0	
	HP	1543	0	28.1	20.0	0.3	123	0.0	
	J&K	2239	560	45.8	38.8	-0.3	228	10.8	
WR	Chandigarh	188	0	3.2	3.6	-0.3	14	0.0	
	Chhattisgarh	4260	0	96.9	41.2	0.1	566	0.3	
	Gujarat	15382	0	333.7	112.0	1.7	564	0.0	
	MP	11452	0	218.8	112.0	-0.8	641	0.0	
	Maharashtra	21496	0	449.1	139.4	-0.1	371	0.0	
	Goa	440	0	11.6	9.7	1.3	45	0.0	
	DD	323	0	7.2	7.1	0.2	29	0.0	
	DNH	777	0	18.1	18.0	0.1	85	0.0	
SR	Essar steel	368	0	6.0	6.1	-0.2	263	0.0	
	Andhra Pradesh	8838	0	196.6	74.7	-0.1	442	0.0	
	Telangana	10083	0	223.7	105.6	0.1	404	0.0	
	Karnataka	12321	0	244.2	82.6	0.4	590	0.0	
	Kerala	3851	0	79.9	59.0	0.7	181	0.0	
	Tamil Nadu	15844	0	340.7	185.9	-0.9	385	0.0	
	Pondy	387	20	8.1	8.5	-0.4	20	0.0	
	ER	Bihar	4123	0	75.2	68.4	1.3	460	0.0
DVC		3122	0	66.9	-50.5	-0.4	396	0.0	
Jharkhand		1000	0	23.9	18.6	-0.8	169	0.0	
Odisha		4526	0	88.4	32.7	1.7	267	0.0	
West Bengal		7603	0	137.9	37.3	1.3	309	0.0	
Sikkim		100	0	1.5	1.8	-0.3	18	0.0	
NER		Arunachal Pradesh	126	1	2.2	2.3	-0.2	29	0.0
		Assam	1396	42	24.3	19.1	1.6	91	0.4
	Manipur	195	2	2.5	2.6	-0.2	45	0.0	
	Meghalaya	366	0	6.3	5.2	0.0	36	0.0	
	Mizoram	97	1	1.6	1.5	-0.1	15	0.0	
	Nagaland	126	3	2.2	1.9	0.2	23	0.2	
	Tripura	241	0	3.6	2.1	0.0	54	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.4	-6.8	-20.0
Day peak (MW)	100.0	-297.0	-1019.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	161.9	-243.2	173.6	-95.5	2.8	-0.3
Actual(MU)	157.4	-251.2	172.0	-88.7	4.3	-6.1
O/D/U/D(MU)	-4.6	-8.0	-1.6	6.8	1.5	-5.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5325	12116	5832	850	542	24665
State Sector	11695	15535	5920	3185	50	36385
Total	17020	27651	11752	4035	592	61049

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	484	1209	607	488	10	2797
Lignite	26	18	48	0	0	92
Hydro	140	25	73	35	4	277
Nuclear	28	31	33	0	0	91
Gas, Naptha & Diesel	25	42	16	0	29	113
RES (Wind, Solar, Biomass & Others)	68	75	152	1	0	297
Total	770	1401	930	524	43	3668

Share of RES in total generation (%)	8.87	5.36	16.37	0.22	0.09	8.09
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.60	9.36	27.77	6.97	8.44	18.14

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 : 12-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	609	0.0	8.8	-8.8
2		SASARAM-FATEHPUR	S/C	0	206	0.0	3.3	-3.3
3		GAYA-BALIA	S/C	0	382	0.0	6.8	-6.8
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	89	0	1.0	0.0	1.0
7		PUSAULI -ALLAHABAD	S/C	53	3	0.9	0.0	0.9
8		MUZAFFARPUR-GORAKHPUR	D/C	0	593	0.0	9.2	-9.2
9		PATNA-BALIA	Q/C	0	1040	0.0	20.1	-20.1
10		BIHARSHARIFF-BALIA	D/C	0	425	0.0	8.3	-8.3
11		MOTIHARI-GORAKHPUR	D/C	0	349	0.0	7.0	-7.0
12		BIHARSHARIFF-VARANASI	D/C	0	255	0.0	3.4	-3.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	134	0.0	2.8	-2.8
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	69.6	-67.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2082	0	36.1	0.0	36.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	288	368	1.8	0.0	1.8
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	124	234	0.0	1.1	-1.1
21		RANCHI-SIPAT	D/C	153	74	1.4	0.0	1.4
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	125	0.0	2.2	-2.2
23		BUDHIPADAR-KORBA	D/C	142	0	2.4	0.0	2.4
ER-WR						41.7	3.4	38.3
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2237.0	0.0	46.5	-46.5
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	613.0	0.0	14.6	-14.6
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2451.0	0.0	52.3	-52.3
27	400 kV	TALCHER-I/C	D/C	0.0	497.0	0.0	7.8	-7.8
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	113.5	-113.5
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	270	142	3.5	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	385	49	6.2	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	52	71	0.2	0.0	0
ER-NER						9.9	0.0	9.9
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	612	0	15.1	0.0	15.1
NER-NR						15.1	0.0	15.1
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	1737	0.0	43.6	-43.6
36	765 kV	GWALIOR-AGRA	D/C	0	2199	0.0	39.2	-39.2
37		PHAGI-GWALIOR	D/C	0	1007	0.0	17.9	-17.9
38		JABALPUR-ORAI	D/C	0	626	0.0	21.6	-21.6
39		GWALIOR-ORAI	S/C	572	0	10.4	0.0	10.4
40		SATNA-ORAI	S/C	0	1311	0.0	26.9	-26.9
41		CHITORGARH-BANASKANTHA	D/C	0	0	2.8	0.0	2.8
42		ZERDA-KANKROLI	S/C	185	0	3.0	0.0	3.0
43	400 kV	ZERDA -BHINMAL	S/C	124	131	0.4	0.0	0.4
44		V'CHAL -RIHAND	S/C	967	0	21.9	0.0	21.9
45		RAPP-SHUJALPUR	D/C	52	218	0	1	-1
46	220 kV	BADOD-KOTA	S/C	21	72	0.0	1.3	-1.3
47		BADOD-MORAK	S/C	0	160	0.0	2.3	-2.3
48		MEHGAON-AURAIYA	S/C	126	0	1.6	0.0	1.6
49	132kV	MALANPUR-AURAIYA	S/C	63	13	0.5	0.0	0.4
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						46.5	153.4	-106.9
Import/Export of WR (With SR)								
51	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.9	-23.9
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2268	0.0	41.8	-41.8
54		WARDHA-NIZAMABAD	D/C	0	2479	0.0	48.8	-48.8
55	400 kV	KOLHAPUR-KUDGI	D/C	657	21	7.7	0.0	7.7
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	0	62	1.2	0.0	1.2
WR-SR						8.9	114.6	-105.6
TRANSNATIONAL EXCHANGE								
59		BHUTAN						0.4
60		NEPAL						-6.8
61		BANGLADESH						-20.0