



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: 14th 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 13.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th 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

14-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42376	47565	46415	17810	2443	156609
Peak Shortage (MW)	1197	0	0	0	30	1227
Energy Met (MU)	925	1150	1095	410	42	3622
Hydro Gen (MU)	145	24	72	39	4	283
Wind Gen (MU)	13	46	39	-----	-----	98
Solar Gen (MU)*	19.77	22.93	81.85	1.05	0.04	126
Energy Shortage (MU)	11.2	0.0	0.0	0.0	0.9	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43566 18:57	53211 10:52	47649 09:48	20901 19:01	2471 18:36	162011 19:01

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	0.042	0.07	0.59	6.94	7.60	76.98	15.42

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	5435	0	111.8	44.9	-1.4	38	0.0	
	Haryana	6206	0	125.2	76.0	0.2	200	0.0	
	Rajasthan	11106	0	225.0	62.1	-1.8	302	0.0	
	Delhi	3557	0	62.2	56.3	-0.8	189	0.0	
	UP	13843	680	283.1	119.0	-0.4	230	0.0	
	Uttarakhand	1888	0	36.9	20.5	-0.7	115	0.0	
	HP	1648	0	29.9	21.2	0.6	190	0.1	
	J&K	2555	639	47.3	39.1	0.4	357	11.1	
WR	Chandigarh	203	0	3.3	3.4	-0.1	20	0.0	
	Chhattisgarh	4199	0	96.3	45.9	-1.6	526	0.0	
	Gujarat	15016	0	330.9	95.1	3.8	1292	0.0	
	MP	11353	0	219.1	105.3	-0.5	792	0.0	
	Maharashtra	21358	0	459.1	133.6	0.0	528	0.0	
	Goa	440	0	11.6	9.8	1.2	71	0.0	
	DD	331	0	7.5	7.1	0.4	44	0.0	
	DNH	792	0	18.6	18.6	0.0	70	0.0	
SR	Essar steel	379	0	7.0	6.6	0.4	307	0.0	
	Andhra Pradesh	8880	0	198.1	61.0	-0.1	493	0.0	
	Telangana	10056	0	220.9	122.8	-0.7	428	0.0	
	Karnataka	12156	0	247.0	86.9	-0.1	496	0.0	
	Kerala	3933	0	80.7	59.8	0.7	220	0.0	
	Tamil Nadu	15511	0	340.0	187.1	-1.1	568	0.0	
	Pondy	395	0	8.2	8.4	-0.2	38	0.0	
	ER	Bihar	4241	0	77.2	71.2	-0.4	460	0.0
DVC		3110	0	67.6	-52.5	-0.2	396	0.0	
Jharkhand		1067	0	24.1	17.8	-0.6	169	0.0	
Odisha		4363	0	86.2	35.5	1.4	267	0.0	
West Bengal		8132	0	153.4	46.3	1.4	309	0.0	
Sikkim		99	0	1.3	1.7	-0.3	18	0.0	
NER		Arunachal Pradesh	126	1	2.4	2.4	0.0	43	0.0
		Assam	1438	14	24.1	19.6	0.7	116	0.5
	Manipur	195	2	2.2	2.5	-0.4	16	0.2	
	Meghalaya	368	0	6.2	5.1	0.1	41	0.0	
	Mizoram	92	0	1.6	1.4	0.0	12	0.0	
	Nagaland	117	2	2.1	1.9	0.1	17	0.2	
	Tripura	241	2	3.8	2.7	0.7	115	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.8	-12.4	-20.4
Day peak (MW)	336.8	-635.2	-1033.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	168.3	-255.2	160.6	-77.4	4.0	0.3
Actual(MU)	168.4	-255.4	159.0	-73.3	2.1	0.8
O/D/U/D(MU)	0.1	-0.2	-1.6	4.1	-1.9	0.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5325	12946	4772	810	585	24437
State Sector	10900	16140	4880	3395	50	35365
Total	16225	29086	9652	4205	634	59802

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	499	1228	605	480	9	2821
Lignite	26	17	57	0	0	101
Hydro	145	24	72	39	4	283
Nuclear	20	31	31	0	0	82
Gas, Naptha & Diesel	26	42	17	0	29	114
RES (Wind, Solar, Biomass & Others)	64	73	163	1	0	301
Total	780	1416	944	521	42	3702

Share of RES in total generation (%)	8.15	5.17	17.28	0.21	0.10	8.13
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.29	9.05	28.17	7.77	8.91	18.01

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 : 14-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	709	0.0	9.8	-9.8
2		SASARAM-FATEHPUR	S/C	0	251	0.0	3.8	-3.8
3		GAYA-BALIA	S/C	0	380	0.0	7.7	-7.7
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	79	14	0.8	0.0	0.8
7		PUSAULI -ALLAHABAD	S/C	71	13	1.1	0.0	1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	840	0.0	12.1	-12.1
9		PATNA-BALIA	Q/C	0	1070	0.0	18.6	-18.6
10		BIHARSHARIFF-BALIA	D/C	0	464	0.0	8.8	-8.8
11		MOTIHARI-GORAKHPUR	D/C	0	332	0.0	6.2	-6.2
12		BIHARSHARIFF-VARANASI	D/C	20	336	0.0	3.4	-3.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	149	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	73.3	-70.8
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2009	0	34.7	0.0	34.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	446	256	4.4	0.0	4.4
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	139	238	0.0	1.8	-1.8
21		RANCHI-SIPAT	D/C	225	28	2.5	0.0	2.5
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	87	0.0	1.3	-1.3
23		BUDHIPADAR-KORBA	D/C	198	0	3.7	0.0	3.7
ER-WR						45.4	3.0	42.4
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2093.0	0.0	41.6	-41.6
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	2452.0	0.0	47.7	-47.7
27	400 kV	TALCHER-I/C	D/C	4.0	493.0	0.0	2.7	-2.7
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	103.9	-103.9
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	329	0	5.1	0.0	5
30		ALIPURDUAR-BONGAIGAON	D/C	444	0	7.8	0.0	8
31	220 kV	ALIPURDUAR-SALAKATI	D/C	63	39	0.8	0.0	1
ER-NER						13.7	0.0	13.7
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	666	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	0	0.0	0.0	0.0
34		V'CHAL B/B	D/C	244	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	2234	0.0	42.6	-42.6
37		PHAGI-GWALIOR	D/C	0	1132	0.0	20.6	-20.6
38		JABALPUR-ORAI	D/C	0	662	0.0	25.0	-25.0
39		GWALIOR-ORAI	S/C	575	0	10.3	0.0	10.3
40		SATNA-ORAI	S/C	0	1320	0.0	28.0	-28.0
41		CHITORGARH-BANASKANTHA	D/C	0	0	5.3	0.0	5.3
42		ZERDA-KANKROLI	S/C	149	0	2.9	0.0	2.9
43	400 kV	ZERDA -BHINMAL	S/C	188	104	0.8	0.0	0.8
44		V'CHAL -RIHAND	S/C	968	0	22.1	0.0	22.1
45		RAPP-SHUJALPUR	D/C	145	135	0	0	0
46	220 kV	BADOD-KOTA	S/C	10	40	0.1	0.7	-0.6
47		BADOD-MORAK	S/C	0	113	0.0	1.3	-1.3
48		MEHGAON-AURAIYA	S/C	117	0	1.7	0.0	1.7
49	132kV	MALANPUR-AURAIYA	S/C	54	13	0.4	0.0	0.4
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						49.5	161.8	-112.3
Import/Export of WR (With SR)								
51	HVDC	BHADRAWATI B/B	-	0	995	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	2207	0.0	39.1	-39.1
54		WARDHA-NIZAMABAD	D/C	0	2457	0.0	51.3	-51.3
55	400 kV	KOLHAPUR-KUDGI	D/C	809	0	11.9	0.0	11.9
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	64	1.2	0.0	1.2
WR-SR						13.1	114.2	-101.2
TRANSNATIONAL EXCHANGE								
59		BHUTAN						3.8
60		NEPAL						-12.4
61		BANGLADESH						-20.4