



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: 18th 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 17.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-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 17th 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

18-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	25666	44606	43170	17040	2382	132864
Peak Shortage (MW)	467	0	0	0	54	521
Energy Met (MU)	898	1104	1041	379	42	3465
Hydro Gen (MU)	139	22	60	36	3	260
Wind Gen (MU)	6	51	38	-----	-----	95
Solar Gen (MU)*	29.66	25.00	85.27	0.87	0.04	141
Energy Shortage (MU)	10.6	0.0	0.0	0.0	0.3	11.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42044 07:44	51607 10:56	44430 22:27	17323 00:00	2377 19:12	154538 07:24

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	0.045	0.00	0.35	8.01	8.36	69.86	21.78

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	5625	0	116.9	46.8	-1.2	103	0.0
	Haryana	5650	0	114.9	69.0	0.1	141	0.0
	Rajasthan	10711	0	215.3	69.7	-1.3	248	0.0
	Delhi	3378	0	57.5	45.1	-0.2	171	0.0
	UP	14286	0	288.7	122.4	1.7	764	0.0
	Uttarakhand	1774	0	33.7	20.8	0.6	243	0.0
	HP	1412	0	25.2	16.9	0.1	91	0.5
	J&K	2251	563	43.2	36.9	-0.1	274	10.1
WR	Chandigarh	170	0	2.8	3.1	-0.3	11	0.0
	Chhattisgarh	4052	0	91.9	28.3	-1.7	327	0.0
	Gujarat	15190	0	327.0	93.2	0.7	507	0.0
	MP	10261	0	199.5	86.4	-0.6	625	0.0
	Maharashtra	19971	0	439.0	140.6	0.6	431	0.0
	Goa	516	0	10.7	10.5	0.1	74	0.0
	DD	310	0	7.2	6.9	0.3	39	0.0
	DNH	772	0	18.2	18.1	0.1	59	0.0
SR	Essar steel	516	0	11.1	11.3	-0.2	257	0.0
	Andhra Pradesh	8465	0	192.0	63.3	-0.3	373	0.0
	Telangana	9953	0	224.4	95.8	-0.8	533	0.0
	Karnataka	11090	0	230.0	76.8	0.0	788	0.0
	Kerala	3737	0	73.9	56.7	0.6	160	0.0
	Tamil Nadu	13879	0	313.3	171.0	-0.9	486	0.0
	Pondy	343	0	7.5	7.8	-0.3	25	0.0
	Bihar	4232	0	78.2	73.0	-0.1	460	0.0
ER	DVC	3054	0	64.5	-41.0	-0.4	396	0.0
	Jharkhand	999	0	20.1	15.2	-1.3	169	0.0
	Odisha	3799	0	81.3	36.4	0.6	267	0.0
	West Bengal	6335	0	133.5	32.1	-0.9	309	0.0
	Sikkim	82	0	1.1	1.4	-0.4	18	0.0
NER	Arunachal Pradesh	107	2	2.1	2.0	0.1	27	0.0
	Assam	1404	46	23.4	19.0	0.8	170	0.2
	Manipur	177	3	2.6	2.5	0.1	31	0.0
	Meghalaya	320	0	6.1	5.3	-0.1	32	0.0
	Mizoram	80	1	1.9	1.3	0.5	37	0.0
	Nagaland	106	2	2.2	2.0	0.2	17	0.0
	Tripura	247	5	4.0	3.3	-0.1	69	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.6	-11.9	-17.9
Day peak (MW)	182.0	-542.0	-919.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	171.4	-264.0	153.7	-64.6	3.7	0.2
Actual(MU)	173.2	-278.8	154.4	-54.0	2.6	-2.5
O/D/U/D(MU)	1.9	-14.8	0.7	10.6	-1.1	-2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6241	13546	6022	1560	570	27938
State Sector	12085	15712	4620	4355	50	36822
Total	18326	29258	10642	5915	619	64760

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	458	1209	577	435	8	2688
Lignite	25	17	45	0	0	87
Hydro	139	22	60	36	3	260
Nuclear	29	31	32	0	0	91
Gas, Naptha & Diesel	23	40	17	0	29	110
RES (Wind, Solar, Biomass & Others)	67	78	162	1	0	308
Total	741	1398	893	471	41	3544

Share of RES in total generation (%)	9.04	5.57	18.15	0.19	0.10	8.69
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.69	9.39	28.39	7.75	8.34	18.61

H. Diversity Factor

All India Demand Diversity Factor	1.021
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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 : 18-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	559	0.0	7.5	-7.5
2		SASARAM-FATEHPUR	S/C	0	207	0.0	3.3	-3.3
3		GAYA-BALIA	S/C	0	411	0.0	7.3	-7.3
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	50	62	0.0	0.3	-0.3
7		PUSAULI -ALLAHABAD	S/C	33	53	0.3	0.0	0.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	635	0.0	7.5	-7.5
9		PATNA-BALIA	Q/C	0	1034	0.0	17.8	-17.8
10		BIHARSHARIFF-BALIA	D/C	0	393	0.0	7.2	-7.2
11		MOTIHARI-GORAKHPUR	D/C	0	306	0.0	5.9	-5.9
12		BIHARSHARIFF-VARANASI	D/C	71	225	0.0	1.3	-1.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	133	0.0	2.4	-2.4
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						0.9	60.4	-59.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2241	0	43.2	0.0	43.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	574	0	8.5	0.0	8.5
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	312	67	2.4	0.0	2.4
21		RANCHI-SIPAT	D/C	277	0	4.2	0.0	4.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	227	0.0	2.4	-2.4
23		BUDHIPADAR-KORBA	D/C	219	0	3.4	0.0	3.4
ER-WR						61.6	2.4	59.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2047.0	0.0	37.3	-37.3
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	615.0	0.0	14.6	-14.6
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2446.0	0.0	48.6	-48.6
27	400 kV	TALCHER-I/C	D/C	0.0	979.0	0.0	7.6	-7.6
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	100.6	-100.6
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	265	116	1.9	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	370	31	3.9	0.0	4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	43	51	0.2	0.0	0
ER-NER						5.9	0.0	5.9
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	466	0	8.6	0.0	8.6
NER-NR						8.6	0.0	8.6
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	242	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1923	0.0	48.4	-48.4
36	765 kV	GWALIOR-AGRA	D/C	0	2300	0.0	42.3	-42.3
37		PHAGI-GWALIOR	D/C	0	1240	0.0	20.9	-20.9
38		JABALPUR-ORAI	D/C	0	724	0.0	25.2	-25.2
39		GWALIOR-ORAI	S/C	557	0	10.3	0.0	10.3
40		SATNA-ORAI	S/C	0	1344	0.0	28.5	-28.5
41		CHITORGARH-BANASKANTHA	D/C	0	0	4.0	0.0	4.0
42		ZERDA-KANKROLI	S/C	163	0	2.4	0.0	2.4
43	400 kV	ZERDA -BHINMAL	S/C	85	128	0.0	0.2	-0.2
44		V'CHAL -RIHAND	S/C	969	0	21.6	0.0	21.6
45		RAPP-SHUJALPUR	D/C	62	223	1	0	1
46	220 kV	BADOD-KOTA	S/C	25	49	0.1	0.4	-0.3
47		BADOD-MORAK	S/C	0	96	0.0	1.0	-1.0
48		MEHGAON-AURAIYA	S/C	92	0	1.4	0.0	1.4
49	132kV	MALANPUR-AURAIYA	S/C	36	8	0.3	0.0	0.2
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						47.0	167.0	-119.9
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	2232	0.0	36.7	-36.7
54		WARDHA-NIZAMABAD	D/C	0	2423	0.0	47.3	-47.3
55	400 kV	KOLHAPUR-KUDGI	D/C	785	0	9.2	0.0	9.2
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	1	50	0.6	0.0	0.6
WR-SR						9.9	107.9	-98.0
TRANSNATIONAL EXCHANGE								
59		BHUTAN						2.6
60		NEPAL						-11.9
61		BANGLADESH						-17.9