



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: 17th 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 16.03.2019.

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 16th 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

17-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41852	48012	45912	20816	2317	158909
Peak Shortage (MW)	990	0	0	0	208	1198
Energy Met (MU)	923	1140	1095	393	42	3593
Hydro Gen (MU)	145	25	69	35	4	279
Wind Gen (MU)	14	69	57	-----	-----	140
Solar Gen (MU)*	24.45	24.7	84.38	1.04	0.05	135
Energy Shortage (MU)	11.1	0.0	0.0	0.0	0.4	11.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43459 07:31	53550 11:22	46993 09:48	20816 19:01	2373 19:11	161972 19:10

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	0.036	0.00	0.00	4.55	4.55	69.63	25.82

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	5701	0	116.5	46.1	-2.9	78	0.0
	Haryana	6022	0	122.6	74.8	0.4	151	0.0
	Rajasthan	11010	0	220.9	65.4	0.1	231	0.0
	Delhi	3440	0	59.4	47.6	-0.2	183	0.0
	UP	13906	310	289.1	120.5	0.5	243	0.0
	Uttarakhand	1849	0	36.0	16.6	-0.1	103	0.0
	HP	1582	0	28.0	20.0	-0.3	68	0.0
WR	J&K	2362	590	47.1	36.7	0.5	372	11.1
	Chandigarh	193	0	3.1	3.6	-0.4	-3	0.0
	Chhattisgarh	4191	0	94.2	31.2	-2.3	626	0.0
	Gujarat	15306	0	334.3	86.8	1.9	876	0.0
	MP	10921	0	212.6	88.9	-0.4	685	0.0
	Maharashtra	20592	0	451.2	141.6	0.1	766	0.0
	Goa	515	0	10.7	10.2	0.5	102	0.0
	DD	321	0	7.3	7.0	0.3	81	0.0
	DNH	770	0	18.1	18.3	-0.2	114	0.0
	Essar steel	529	0	11.3	11.5	-0.2	249	0.0
SR	Andhra Pradesh	8635	0	196.6	54.7	-0.2	447	0.0
	Telangana	10132	0	229.4	106.7	0.3	417	0.0
	Karnataka	11909	0	242.1	80.4	-0.2	491	0.0
	Kerala	3903	0	79.8	56.8	0.9	200	0.0
	Tamil Nadu	15364	0	339.5	185.0	-0.3	453	0.0
	Pondy	389	0	8.1	8.4	-0.3	24	0.0
ER	Bihar	4453	0	79.4	74.0	-0.3	460	0.0
	DVC	3100	0	64.6	-44.2	0.5	396	0.0
	Jharkhand	1163	0	20.8	15.6	-1.2	169	0.0
	Odisha	4474	0	84.3	37.9	1.7	267	0.0
	West Bengal	7832	0	142.6	34.9	0.5	309	0.0
NER	Sikkim	98	0	1.2	1.7	-0.5	18	0.0
	Arunachal Pradesh	122	1	2.1	2.3	-0.2	30	0.0
	Assam	1338	160	24.0	20.0	0.7	119	0.3
	Manipur	179	1	2.3	2.5	-0.2	26	0.0
	Meghalaya	333	0	6.1	5.2	0.0	245	0.0
	Mizoram	94	0	1.5	1.4	0.0	10	0.0
	Nagaland	125	1	2.0	1.9	0.0	8	0.0
	Tripura	250	0	4.3	3.0	-0.1	39	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.5	-10.3	-18.9
Day peak (MW)	177.9	-551.0	-1026.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	166.5	-260.5	162.1	-73.4	5.3	0.1
Actual(MU)	171.6	-271.5	164.7	-66.5	2.5	0.8
O/D/U/D(MU)	5.1	-11.1	2.6	6.8	-2.8	0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6241	12946	5522	810	570	26088
State Sector	13345	14350	4800	3845	50	36390
Total	19586	27296	10322	4655	619	62478

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	466	1213	601	462	9	2750
Lignite	27	16	38	0	0	82
Hydro	145	25	69	35	4	279
Nuclear	28	31	32	0	0	91
Gas, Naptha & Diesel	31	38	17	0	28	115
RES (Wind, Solar, Biomass & Others)	69	98	182	1	0	350
Total	766	1422	939	498	40	3667

Share of RES in total generation (%)	9.05	6.87	19.41	0.22	0.12	9.56
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.71	10.83	30.14	7.31	9.00	19.65

H. Diversity Factor

All India Demand Diversity Factor	1.032
-----------------------------------	-------

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 : 17-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	583	0.0	7.2	-7.2
2		SASARAM-FATEHPUR	S/C	0	273	0.0	4.9	-4.9
3		GAYA-BALIA	S/C	0	383	0.0	6.9	-6.9
4	HVDC	ALIPURDUAR-AGRA	-	0	200	0.0	1.0	-1.0
5		PUSAULI B/B	S/C	3	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	21	75	0.0	0.7	-0.7
7		PUSAULI -ALLAHABAD	S/C	35	45	0.1	0.0	0.1
8		MUZAFFARPUR-GORAKHPUR	D/C	7	768	0.0	8.8	-8.8
9		PATNA-BALIA	Q/C	0	844	0.0	17.2	-17.2
10		BIHARSHARIFF-BALIA	D/C	0	377	0.0	6.4	-6.4
11		MOTIHARI-GORAKHPUR	D/C	0	308	0.0	6.1	-6.1
12		BIHARSHARIFF-VARANASI	D/C	112	260	0.0	1.8	-1.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	142	0.0	2.7	-2.7
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	2	0	0.0	0.0	0.0
ER-NR						0.7	63.7	-63.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2147	0	40.6	0.0	40.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	572	0	6.2	0.0	6.2
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	191	84	0.9	0.0	0.9
21		RANCHI-SIPAT	D/C	272	0	3.5	0.0	3.5
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	120	0.0	2.1	-2.1
23		BUDHIPADAR-KORBA	D/C	204	0	3.7	0.0	3.7
ER-WR						54.8	2.1	52.7
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2006.0	0.0	38.9	-38.9
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	615.0	0.0	14.3	-14.3
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2456.0	0.0	52.5	-52.5
27	400 kV	TALCHER-I/C	D/C	0.0	810.0	0.0	9.0	-9.0
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	315	324	1.8	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	427	202	4.4	0.0	4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	55	73	0.2	0.0	0
ER-NER						6.4	0.0	6.4
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	653	0	8.7	0.0	8.7
NER-NR						8.7	0.0	8.7
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	6.1	0.0	6.1
35		APL -MHG	D/C	0	1924	0.0	48.4	-48.4
36	765 kV	GWALIOR-AGRA	D/C	0	2119	0.0	39.1	-39.1
37		PHAGI-GWALIOR	D/C	0	1185	0.0	20.3	-20.3
38		JABALPUR-ORAI	D/C	0	628	0.0	24.5	-24.5
39		GWALIOR-ORAI	S/C	489	0	10.0	0.0	10.0
40		SATNA-ORAI	S/C	0	1283	0.0	27.7	-27.7
41		CHITORGARH-BANASKANTHA	D/C	0	0	5.0	0.0	5.0
42		ZERDA-KANKROLI	S/C	149	0	3.2	0.0	3.2
43	400 kV	ZERDA -BHINMAL	S/C	202	77	1.0	0.0	1.0
44		V'CHAL -RIHAND	S/C	958	0	20.5	0.0	20.5
45		RAPP-SHUJALPUR	D/C	105	222	0	0	0
46	220 kV	BADOD-KOTA	S/C	21	45	0.1	0.6	-0.6
47		BADOD-MORAK	S/C	0	118	0.0	1.2	-1.2
48		MEHGAON-AURAIYA	S/C	110	0	1.6	0.0	1.6
49	132kV	MALANPUR-AURAIYA	S/C	43	17	0.4	0.0	0.4
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						48.0	161.8	-113.8
Import/Export of WR (With SR)								
51	HVDC	BHADRAWATI B/B	-	0	995	0.0	24.2	-24.2
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2254	0.0	39.9	-39.9
54		WARDHA-NIZAMABAD	D/C	0	2518	0.0	51.3	-51.3
55	400 kV	KOLHAPUR-KUDGI	D/C	708	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	53	1.0	0.0	1.0
WR-SR						10.9	115.4	-104.6
TRANSNATIONAL EXCHANGE								
59		BHUTAN						2.5
60		NEPAL						-10.3
61		BANGLADESH						-18.9