



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: 10th 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 09.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 09th 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

10-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41034	47394	45059	17214	2443	153144
Peak Shortage (MW)	1215	339	50	0	48	1652
Energy Met (MU)	903	1126	1087	376	41	3534
Hydro Gen (MU)	137	27	82	35	4	285
Wind Gen (MU)	13	48	23	-----	-----	85
Solar Gen (MU)*	30.31	26.10	75.83	1.03	0.05	133
Energy Shortage (MU)	11.0	0.5	1.0	0.0	0.1	12.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41676 18:51	52846 09:39	49454 15:06	19944 18:39	2500 18:11	158665 09:39

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	0.090	0.13	3.76	24.73	28.62	64.70	6.68

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	5531	0	111.7	43.6	-1.3	130	0.0	
	Haryana	6099	0	124.3	84.1	-0.1	102	0.0	
	Rajasthan	10998	0	227.1	61.3	-1.1	122	0.0	
	Delhi	3440	0	59.8	54.6	-1.3	172	0.0	
	UP	12858	700	267.3	119.5	-0.1	259	0.0	
	Uttarakhand	1905	0	35.7	19.6	-0.6	116	0.0	
	HP	1576	0	28.0	20.6	0.1	105	0.0	
	J&K	2311	578	46.4	39.0	0.5	251	11.0	
WR	Chandigarh	186	0	3.1	3.4	-0.4	-2	0.0	
	Chhattisgarh	4066	0	92.2	41.7	-0.9	630	0.5	
	Gujarat	15309	0	332.8	103.9	2.4	511	0.0	
	MP	11502	0	216.5	105.7	-0.5	744	0.0	
	Maharashtra	20816	0	442.2	138.3	-0.4	460	0.0	
	Goa	522	0	9.9	9.8	0.1	41	0.0	
	DD	336	0	7.6	7.1	0.5	41	0.0	
	DNH	777	0	18.2	18.3	-0.1	48	0.0	
SR	Essar steel	330	0	6.6	6.5	0.1	267	0.0	
	Andhra Pradesh	8832	0	197.4	77.2	1.5	942	0.0	
	Telangana	9935	0	215.9	100.7	0.8	928	0.0	
	Karnataka	11982	0	244.0	74.2	-0.8	473	0.0	
	Kerala	3637	0	78.3	56.9	0.3	242	0.0	
	Tamil Nadu	15240	0	344.7	184.1	-0.8	426	0.0	
	Pondy	326	50	7.2	7.3	-0.1	36	1.0	
	ER	Bihar	4130	0	70.8	65.1	0.3	460	0.0
DVC		3147	0	66.1	-43.2	-0.7	396	0.0	
Jharkhand		1031	0	23.6	18.1	-1.1	169	0.0	
Odisha		4412	0	85.1	31.7	0.2	267	0.0	
West Bengal		7184	0	129.0	33.1	-0.6	309	0.0	
Sikkim		100	0	1.4	1.6	-0.2	18	0.0	
NER		Arunachal Pradesh	129	2	2.3	2.1	0.2	65	0.0
		Assam	1409	22	22.5	18.0	0.7	190	0.0
	Manipur	177	3	2.4	2.5	-0.2	27	0.0	
	Meghalaya	356	0	6.6	5.1	0.0	39	0.0	
	Mizoram	91	1	1.6	1.3	0.1	16	0.0	
	Nagaland	127	3	1.9	1.7	0.1	33	0.0	
	Tripura	208	1	3.2	0.8	0.5	112	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-1.3	-6.6	-19.3
Day peak (MW)	-30.8	-298.0	-997.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	162.2	-259.2	172.2	-84.1	8.7	-0.3
Actual(MU)	161.1	-261.5	169.1	-79.6	6.2	-4.6
O/D/U/D(MU)	-1.0	-2.3	-3.0	4.5	-2.4	-4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4575	12716	7202	1200	521	26214
State Sector	11695	16785	5310	3185	50	37025
Total	16270	29501	12512	4385	571	63238

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	489	1204	608	464	10	2775
Lignite	20	18	46	0	0	85
Hydro	137	27	82	35	4	285
Nuclear	28	31	31	0	0	90
Gas, Naptha & Diesel	21	40	16	0	20	96
RES (Wind, Solar, Biomass & Others)	75	79	142	1	0	296
Total	770	1400	924	500	33	3628
Share of RES in total generation (%)	9.69	5.63	15.32	0.22	0.15	8.16
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.09	9.78	27.54	7.30	12.80	18.52

H. Diversity Factor

All India Demand Diversity Factor	1.049
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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 : 10-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	515	0.0	6.2	-6.2
2		SASARAM-FATEHPUR	S/C	0	364	0.0	5.4	-5.4
3		GAYA-BALIA	S/C	0	358	0.0	4.7	-4.7
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	4	146	0.0	2.9	-2.9
6	400 kV	PUSAULI-VARANASI	S/C	40	114	0.0	1.9	-1.9
7		PUSAULI -ALLAHABAD	S/C	48	92	0.0	0.9	-0.9
8		MUZAFFARPUR-GORAKHPUR	D/C	0	444	0.0	6.9	-6.9
9		PATNA-BALIA	Q/C	0	869	0.0	14.5	-14.5
10		BIHARSHARIFF-BALIA	D/C	0	354	0.0	5.8	-5.8
11		MOTIHARI-GORAKHPUR	D/C	0	339	0.0	6.5	-6.5
12		BIHARSHARIFF-VARANASI	D/C	55	184	0.0	1.9	-1.9
13	220 kV	PUSAULI-SAHUPURI	S/C	2	142	0.0	1.5	-1.5
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						0.6	59.1	-58.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1874	0	35.3	0.0	35.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	301	323	0.0	0.3	-0.3
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	129	99	0.1	0.0	0.1
21		RANCHI-SIPAT	D/C	163	53	1.2	0.0	1.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	122	0.0	2.1	-2.1
23		BUDHIPADAR-KORBA	D/C	164	0	2.1	0.0	2.1
ER-WR						38.7	2.5	36.3
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2149.0	0.0	45.3	-45.3
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	2453.0	0.0	51.9	-51.9
27	400 kV	TALCHER-I/C	D/C	0.0	488.0	0.0	6.7	-6.7
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	111.9	-111.9
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	263	113	1.8	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	376	0	4.0	0.0	4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	43	52	0.1	0.0	0
ER-NER						5.8	0.0	5.8
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	663	0	13.9	0.0	13.9
NER-NR						13.9	0.0	13.9
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1006	0.0	14.1	-14.1
34		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1736	0.0	43.6	-43.6
36	765 kV	GWALIOR-AGRA	D/C	0	2145	0.0	38.5	-38.5
37		PHAGI-GWALIOR	D/C	0	870	0.0	13.3	-13.3
38		JABALPUR-ORAI	D/C	0	322	0.0	20.8	-20.8
39		GWALIOR-ORAI	S/C	499	0	9.5	0.0	9.5
40		SATNA-ORAI	S/C	0	1277	0.0	26.0	-26.0
41		CHITORGARH-BANASKANTHA	D/C	0	0	0.0	2.6	2.6
42		ZERDA-KANKROLI	S/C	206	0	2.5	0.0	2.5
43	400 kV	ZERDA -BHINMAL	S/C	148	119	0.0	0.2	-0.2
44		V'CHAL -RIHAND	S/C	970	0	22.3	0.0	22.3
45		RAPP-SHUJALPUR	D/C	49	204	1	0	1
46	220 kV	BADOD-KOTA	S/C	0	58	0.0	0.7	-0.7
47		BADOD-MORAK	S/C	0	153	0.0	2.1	-2.1
48		MEHGAON-AURAIYA	S/C	93	0	1.2	0.0	1.2
49	132kV	MALANPUR-AURAIYA	S/C	44	11	0.3	0.0	0.3
50		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						42.7	161.8	-113.9
Import/Export of WR (With SR)								
51	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.3	-23.3
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2606	0.0	46.1	-46.1
54		WARDHA-NIZAMABAD	D/C	0	2653	0.0	52.1	-52.1
55	400 kV	KOLHAPUR-KUDGI	D/C	695	0	10.8	0.0	10.8
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	58	1.1	0.0	1.1
WR-SR						11.9	121.5	-109.5
TRANSNATIONAL EXCHANGE								
59		BHUTAN						-1.3
60		NEPAL						-6.6
61		BANGLADESH						-19.3