



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: 08th 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., डोंगतेिह, 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 07.03.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07th 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

8-Mar-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41529	47781	45489	17014	2450	154263
Peak Shortage (MW)	1041	0	0	0	41	1082
Energy Met (MU)	911	1140	1096	366	41	3553
Hydro Gen (MU)	141	31	74	32	4	281
Wind Gen (MU)	4	26	37	-----	-----	67
Solar Gen (MU)*	25.03	25.2	84.04	1.10	0.04	135
Energy Shortage (MU)	12.8	0.0	0.1	0.0	0.3	13.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42497 18:58	53568 10:32	48336 11:24	19232 18:31	2458 18:37	159723 09:29

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	0.067	0.00	1.22	20.15	21.37	69.51	9.12

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	5478	0	112.8	39.0	-1.5	32	0.0
	Haryana	6076	19	125.1	94.2	0.3	194	0.9
	Rajasthan	11329	0	233.0	68.7	-2.2	280	0.0
	Delhi	3602	0	63.3	57.5	-0.8	159	0.0
	UP	13021	540	262.7	107.1	-0.2	236	0.5
	Uttarakhand	1920	0	36.4	18.9	0.2	253	0.0
	HP	1617	0	28.2	20.0	0.2	112	0.0
	J&K	2282	570	46.0	39.0	-0.7	83	11.4
WR	Chandigarh	198	0	3.1	3.6	-0.5	15	0.0
	Chhattisgarh	4225	0	94.4	38.8	-2.1	198	0.0
	Gujarat	15339	0	336.8	104.8	3.0	551	0.0
	MP	11594	0	219.5	99.5	0.9	442	0.0
	Maharashtra	20838	0	443.0	141.3	-1.4	509	0.0
	Goa	421	0	11.1	9.9	0.6	43	0.0
	DD	329	0	7.5	7.2	0.3	45	0.0
	DNH	788	0	18.4	18.4	0.0	49	0.0
SR	Essar steel	448	0	8.9	8.8	0.0	255	0.0
	Andhra Pradesh	8870	0	201.0	77.5	0.8	498	0.0
	Telangana	9990	0	218.7	98.9	0.3	496	0.0
	Karnataka	11859	0	240.4	84.5	-1.1	492	0.0
	Kerala	3923	0	79.5	60.7	0.4	198	0.0
	Tamil Nadu	15691	0	347.7	193.4	-0.8	405	0.0
	Pondy	390	0	8.4	8.4	-0.1	43	0.1
	Bihar	4010	0	73.1	67.0	2.3	460	0.0
ER	DVC	3114	0	65.6	-43.7	-0.3	396	0.0
	Jharkhand	1000	0	23.9	18.4	0.0	169	0.0
	Odisha	4077	0	78.6	28.7	-0.5	267	0.0
	West Bengal	6976	0	123.3	27.3	-0.5	309	0.0
	Sikkim	100	0	1.4	1.8	-0.4	18	0.0
	NER	Arunachal Pradesh	129	2	2.4	2.2	0.1	30
Assam		1385	25	22.4	18.0	0.6	69	0.0
Manipur		192	3	2.5	2.7	-0.2	27	0.0
Meghalaya		384	0	6.6	5.4	0.0	44	0.0
Mizoram		98	3	1.8	1.4	0.2	7	0.0
Nagaland		119	4	1.9	1.6	0.2	36	0.2
Tripura		219	0	3.4	1.5	0.0	53	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.2	-6.6	-19.1
Day peak (MW)	37.5	-291.0	-980.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	167.0	-246.8	158.8	-86.2	7.5	0.3
Actual(MU)	158.5	-247.6	161.1	-80.2	5.1	-3.2
O/D/U/D(MU)	-8.6	-0.8	2.3	6.0	-2.4	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4575	12776	6622	1150	849	25972
State Sector	11440	16165	6830	4035	50	38520
Total	16015	28941	13452	5185	899	64491

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	496	1222	602	466	9	2795
Lignite	23	18	60	0	0	101
Hydro	141	31	74	32	4	281
Nuclear	28	31	31	0	0	90
Gas, Naptha & Diesel	21	44	16	0	23	104
RES (Wind, Solar, Biomass & Others)	61	53	163	1	0	278
Total	770	1400	946	499	36	3651

Share of RES in total generation (%)	7.86	3.80	17.27	0.23	0.11	7.63
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.85	8.24	28.36	6.57	10.75	17.81

H. Diversity Factor

All India Demand Diversity Factor	1.040
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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 : 8-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	522	0.0	8.1	-8.1
2		SASARAM-FATEHPUR	S/C	0	336	0.0	6.0	-6.0
3		GAYA-BALIA	S/C	0	333	0.0	5.3	-5.3
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	148	0.0	3.7	-3.7
6	400 kV	PUSAULI-VARANASI	S/C	0	111	0.0	2.2	-2.2
7		PUSAULI -ALLAHABAD	S/C	0	82	0.0	1.3	-1.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	496	0.0	8.1	-8.1
9		PATNA-BALIA	Q/C	0	795	0.0	9.8	-9.8
10		BIHARSHARIFF-BALIA	D/C	0	317	0.0	6.0	-6.0
11		MOTIHARI-GORAKHPUR	D/C	0	355	0.0	7.1	-7.1
12		BIHARSHARIFF-VARANASI	D/C	0	182	0.0	2.7	-2.7
13	220 kV	PUSAULI-SAHUPURI	S/C	2	144	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	61.8	-61.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1762	0	29.8	0.0	29.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	151	460	0.0	2.2	-2.2
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	113	252	0.0	1.4	-1.4
21		RANCHI-SIPAT	D/C	125	60	1.6	0.0	1.6
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	134	0.0	2.2	-2.2
23		BUDHIPADAR-KORBA	D/C	163	0	3.0	0.0	3.0
ER-WR						34.4	5.7	28.7
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2077.0	0.0	43.5	-43.5
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	627.0	0.0	14.6	-14.6
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2464.0	0.0	49.8	-49.8
27	400 kV	TALCHER-I/C	D/C	0.0	500.0	0.0	4.7	-4.7
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	107.9	-107.9
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	307	85	4.0	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	419	0	6.4	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	53	46	0.6	0.0	1
ER-NER						10.9	0.0	10.9
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	662	0	16.4	0.0	16.4
NER-NR						16.4	0.0	16.4
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1001	0.0	23.7	-23.7
34		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1550	0.0	37.1	-37.1
36	765 kV	GWALIOR-AGRA	D/C	0	1973	0.0	35.5	-35.5
37		PHAGI-GWALIOR	D/C	0	928	0.0	15.4	-15.4
38		JABALPUR-ORAI	D/C	0	485	0.0	19.6	-19.6
39		GWALIOR-ORAI	S/C	579	0	10.7	0.0	10.7
40		SATNA-ORAI	S/C	0	1167	0.0	25.7	-25.7
41		CHITORGARH-BANASKANTHA	D/C	0	0	0.0	0.0	0.0
42		ZERDA-KANKROLI	S/C	217	0	3.2	0.0	3.2
43	400 kV	ZERDA -BHINMAL	S/C	104	26	0.0	0.1	-0.1
44		V'CHAL -RIHAND	S/C	816	0	22.1	0.0	22.1
45		RAPP-SHUJALPUR	D/C	37	193	0	1	-1
46	220 kV	BADOD-KOTA	S/C	0	40	0.3	0.3	0.0
47		BADOD-MORAK	S/C	0	135	0.0	1.6	-1.6
48		MEHGAON-AURAIYA	S/C	65	0	1.2	0.0	1.2
49	MALANPUR-AURAIYA	S/C	61	0	0.4	0.0	0.4	
50	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						43.9	160.0	-116.1
Import/Export of WR (With SR)								
51	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.7	-23.7
52	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
53	765 kV	SOLAPUR-RAICHUR	D/C	0	2372	0.0	41.4	-41.4
54		WARDHA-NIZAMABAD	D/C	0	2546	0.0	49.4	-49.4
55	400 kV	KOLHAPUR-KUDGI	D/C	800	0	11.4	0.0	11.4
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	54	1.0	0.0	1.0
WR-SR						12.4	114.5	-102.1
TRANSNATIONAL EXCHANGE								
59		BHUTAN						0.2
60		NEPAL						-6.6
61		BANGLADESH						-19.1