



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: 24th Feb 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 23.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-फ़रवरी-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 23rd February 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

24-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43071	47915	43385	17952	2450	154773
Peak Shortage (MW)	575	0	0	0	58	633
Energy Met (MU)	896	1144	1032	383	43	3498
Hydro Gen (MU)	167	27	73	27	3	296
Wind Gen (MU)	11	46	56	-----	-----	113
Solar Gen (MU)*	24.30	22.22	84.06	0.94	0.03	132
Energy Shortage (MU)	10.2	0.0	0.0	0.0	0.3	10.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44601 19:22	54636 09:34	45410 09:25	19708 18:33	2427 17:52	159625 18:59

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	0.039	0.00	0.02	7.22	7.25	72.05	20.71

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	4952	0	102.4	39.8	-1.4	53	0.0
	Haryana	6145	0	119.6	87.2	0.6	186	0.0
	Rajasthan	11748	0	235.3	64.7	-0.7	225	0.0
	Delhi	3634	0	61.1	55.4	-1.7	119	0.0
	UP	14757	0	265.3	112.2	0.2	179	0.0
	Uttarakhand	1895	0	37.2	21.2	-0.1	89	0.0
	HP	1574	0	28.3	19.0	1.3	202	0.0
WR	J&K	2219	555	43.4	39.6	-7.8	-11	10.2
	Chandigarh	196	0	3.2	3.7	-0.5	-1	0.0
	Chhattisgarh	4027	0	92.2	32.7	-0.9	335	0.0
	Gujarat	14899	0	328.5	96.2	1.4	788	0.0
	MP	12172	0	232.4	115.8	-0.5	576	0.0
	Maharashtra	20729	0	441.3	134.2	2.8	574	0.0
	Goa	532	0	10.9	9.9	0.5	52	0.0
	DD	312	0	7.1	6.8	0.2	42	0.0
	DNH	784	0	18.2	18.1	0.2	64	0.0
	Essar steel	612	0	12.9	12.7	0.2	321	0.0
SR	Andhra Pradesh	8468	0	191.9	82.7	0.5	448	0.0
	Telangana	9746	0	211.4	82.6	0.1	451	0.0
	Karnataka	11468	0	228.6	78.8	0.2	490	0.0
	Kerala	3629	0	74.0	58.9	1.1	207	0.0
	Tamil Nadu	14494	0	318.7	158.6	-0.3	758	0.0
	Pondy	379	0	7.8	8.0	-0.1	38	0.0
ER	Bihar	4051	0	70.6	65.6	-0.4	460	0.0
	DVC	3081	0	65.5	-49.5	-0.4	396	0.0
	Jharkhand	1061	0	22.9	17.0	-0.4	169	0.0
	Odisha	4292	0	83.1	30.2	1.0	267	0.0
	West Bengal	7463	0	139.5	26.6	1.9	309	0.0
	Sikkim	100	0	1.6	2.0	-0.4	18	0.0
NER	Arunachal Pradesh	119	3	2.2	2.5	-0.3	33	0.0
	Assam	1407	37	23.9	19.3	0.6	103	0.2
	Manipur	182	1	2.6	2.6	0.0	33	0.0
	Meghalaya	365	0	6.3	5.0	0.0	40	0.0
	Mizoram	98	3	2.0	1.5	0.4	9	0.0
	Nagaland	128	2	2.1	2.0	0.0	7	0.0
	Tripura	237	0	3.9	2.0	0.5	61	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.9	-6.6	-19.2
Day peak (MW)	149.5	-293.0	-1017.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	162.5	-239.4	149.4	-77.0	4.6	0.1
Actual(MU)	157.1	-243.8	151.5	-74.5	6.0	-3.7
O/D/U/D(MU)	-5.4	-4.4	2.1	2.5	1.5	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5201	12914	8022	1530	570	28237
State Sector	11135	16421	8560	2855	50	39021
Total	16336	29335	16582	4385	619	67258

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	456	1202	529	468	9	2663
Lignite	20	17	48	0	0	86
Hydro	167	27	73	27	3	296
Nuclear	24	31	41	0	0	96
Gas, Naptha & Diesel	21	41	19	0	30	110
RES (Wind, Solar, Biomass & Others)	66	72	180	1	0	319
Total	753	1390	889	496	42	3570

Share of RES in total generation (%)	8.79	5.19	20.22	0.20	0.07	8.94
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.07	9.36	33.01	5.56	7.44	19.91

H. Diversity Factor

All India Demand Diversity Factor	1.045
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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 : 24-Feb-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	9	592	0.0	6.0	-6.0
2		SASARAM-FATEHPUR	S/C	56	219	0.0	2.0	-2.0
3		GAYA-BALIA	S/C	0	427	0.0	4.6	-4.6
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	147	0.0	3.4	-3.4
6	400 kV	PUSAULI-VARANASI	S/C	0	123	0.0	2.3	-2.3
7		PUSAULI -ALLAHABAD	S/C	0	87	0.0	1.1	-1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	520	0.0	7.4	-7.4
9		PATNA-BALIA	Q/C	0	622	0.0	9.7	-9.7
10		BIHARSHARIFF-BALIA	D/C	0	433	0.0	7.1	-7.1
11		MOTIHARI-GORAKHPUR	D/C	0	237	0.0	4.2	-4.2
12		BIHARSHARIFF-VARANASI	D/C	89	196	0.0	1.6	-1.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	140	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	1	0	0.0	0.0	0.0
ER-NR						0.6	52.1	-51.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1559	0	28.0	0.0	28.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	309	349	0.0	0.4	-0.4
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	132	253	0.0	1.5	-1.5
21		RANCHI-SIPAT	D/C	154	83	1.1	0.0	1.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	98	0.0	1.6	-1.6
23		BUDHIPADAR-KORBA	D/C	183	0	2.9	0.0	2.9
ER-WR						32.0	3.5	28.6
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1892.0	0.0	37.6	-37.6
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	688.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2454.0	0.0	51.2	-51.2
27	400 kV	TALCHER-I/C	D/C	0.0	516.0	0.0	7.9	-7.9
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	104.9	-104.9
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	263	58	1.5	0.0	1
30		ALIPURDUAR-BONGAIGAON	D/C	372	0	5.1	0.0	5
31	220 kV	ALIPURDUAR-SALAKATI	D/C	47	39	0.3	0.0	0
ER-NER						6.9	0.0	6.9
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	662	0	14.5	0.0	14.5
NER-NR						14.5	0.0	14.5
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1606	0.0	38.1	-38.1
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35	765 kV	APL -MHG	D/C	0	1554	0.0	38.4	-38.4
36		GWALIOR-AGRA	D/C	0	2036	0.0	35.9	-35.9
37		PHAGI-GWALIOR	D/C	0	823	0.0	10.3	-10.3
38		JABALPUR-ORAI	D/C	0	543	0.0	16.8	-16.8
39		GWALIOR-ORAI	S/C	607	0	11.0	0.0	11.0
40		SATNA-ORAI	S/C	0	1206	0.0	25.1	-25.1
41		400 kV	ZERDA-KANKROLI	S/C	253	6	3.7	0.0
42	ZERDA -BHINMAL		S/C	208	126	0.2	0.0	0.2
43	V'CHAL -RIHAND		S/C	962	0	20.4	0.0	20.4
44	RAPP-SHUJALPUR		D/C	239	201	0	0	0
45	220 kV	BADOD-KOTA	S/C	45	50	0.2	0.3	0.0
46		BADOD-MORAK	S/C	17	83	0.0	0.9	-0.8
47		MEHGAON-AURAIYA	S/C	110	0	1.4	0.0	1.4
48	132kV	MALANPUR-AURAIYA	S/C	58	17	0.4	0.0	0.4
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						43.6	165.8	-122.2
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.9	-23.9
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2357	0.0	37.8	-37.8
53		WARDHA-NIZAMABAD	D/C	0	2234	0.0	40.2	-40.2
54	400 kV	KOLHAPUR-KUDGI	D/C	818	0	9.7	0.0	9.7
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	2	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	1	56	0.7	0.0	0.7
WR-SR						10.4	101.9	-91.5
TRANSNATIONAL EXCHANGE								
58		BHUTAN						1.9
59		NEPAL						-6.6
60		BANGLADESH						-19.2