



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 Feb 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., डोंगतेह, 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 17.02.2019.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-फ़रवरी-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 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 18-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	40254	43675	40190	16266	2076	142461
Peak Shortage (MW)	498	0	0	0	244	742
Energy Met (MU)	855	1064	967	345	37	3268
Hydro Gen (MU)	144	17	56	25	3	245
Wind Gen (MU)	19	16	43	-----	-----	78
Solar Gen (MU)*	20.58	25.42	79.19	1.01	0.03	126
Energy Shortage (MU)	9.9	0.0	0.0	0.0	4.0	13.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41324 18:54	52512 10:58	42520 09:46	17825 19:00	2020 19:01	151503 09:47

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	0.037	0.00	0.17	3.26	3.44	69.77	26.79

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	5145	0	98.7	37.8	-1.5	28	0.0
	Haryana	5421	0	107.4	79.3	0.6	278	0.0
	Rajasthan	11836	0	227.8	62.5	-0.4	480	0.0
	Delhi	3975	0	61.6	53.8	-1.2	217	0.0
	UP	13376	0	250.5	100.9	-0.1	448	0.0
	Uttarakhand	1937	0	35.7	21.2	-0.3	90	0.0
	HP	1552	0	27.9	19.8	1.1	126	0.0
	J&K	2067	517	42.2	40.8	-7.9	-38	9.9
	Chandigarh	192	0	3.1	3.7	-0.6	2	0.0
WR	Chhattisgarh	3690	0	82.1	23.9	-1.3	291	0.0
	Gujarat	14602	0	311.7	109.0	1.7	483	0.0
	MP	11757	0	216.8	107.3	-0.3	868	0.0
	Maharashtra	19705	0	404.0	126.0	1.5	656	0.0
	Goa	498	0	11.9	10.2	1.1	35	0.0
	DD	290	0	6.7	6.7	0.0	25	0.0
	DNH	746	0	17.4	17.3	0.1	81	0.0
	Essar steel	631	0	13.6	14.1	-0.4	229	0.0
	Andhra Pradesh	8364	0	184.3	68.9	0.2	480	0.0
SR	Telangana	9034	0	194.5	68.1	0.2	425	0.0
	Karnataka	10767	0	210.2	70.2	-0.8	598	0.0
	Kerala	3469	0	70.1	57.0	0.8	207	0.0
	Tamil Nadu	13330	0	301.0	165.1	-0.4	554	0.0
	Pondy	365	0	6.9	7.1	-0.2	36	0.0
	Bihar	3981	0	68.4	63.2	-0.2	460	0.0
ER	DVC	2950	0	63.8	-38.1	0.8	396	0.0
	Jharkhand	1000	0	22.4	16.2	-1.0	169	0.0
	Odisha	3871	0	74.9	21.3	2.5	267	0.0
	West Bengal	6024	0	114.6	21.2	-0.8	309	0.0
	Sikkim	95	0	1.3	1.2	0.0	18	0.0
	Arunachal Pradesh	91	3	2.0	2.4	-0.4	-	0.0
NER	Assam	1091	180	19.2	14.7	0.1	113	4.0
	Manipur	168	3	2.4	2.5	-0.1	37	0.0
	Meghalaya	369	6	5.9	4.8	-0.2	76	0.0
	Mizoram	93	9	1.7	1.4	0.1	27	0.0
	Nagaland	112	5	2.0	1.9	0.0	28	0.0
	Tripura	224	11	3.3	1.5	-0.2	31	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.5	-6.8	-19.3
Day peak (MW)	137.6	-270.0	-967.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	149.7	-204.8	122.1	-69.8	3.0	0.2
Actual(MU)	144.5	-210.3	116.9	-62.6	1.9	-9.7
O/D/U/D(MU)	-5.2	-5.5	-5.3	7.2	-1.1	-9.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4211	14254	6582	1370	545	26962
State Sector	12775	14786	7420	3875	50	38906
Total	16986	29040	14002	5245	594	65867

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	468	1137	523	414	7	2549
Lignite	17	16	58	0	0	91
Hydro	144	17	56	25	3	245
Nuclear	24	31	36	0	0	91
Gas, Naptha & Diesel	25	30	18	0	28	101
RES (Wind, Solar, Biomass & Others)	69	43	164	1	0	277
Total	747	1275	854	440	38	3354

Share of RES in total generation (%)	9.30	3.38	19.17	0.24	0.08	8.27
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.76	7.14	29.91	5.89	8.68	18.28

H. Diversity Factor

All India Demand Diversity Factor	1.031
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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-Feb-19
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	0	353	0.0	3.9	-3.9	
2		SASARAM-FATEHPUR	S/C	24	250	0.0	2.1	-2.1	
3		GAYA-BALIA	S/C	0	384	0.0	5.8	-5.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	147	0.0	3.6	-3.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	145	0.0	2.8	-2.8	
7		PUSAULI -ALLAHABAD	S/C	0	65	0.0	0.6	-0.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	481	0.0	6.3	-6.3	
9		PATNA-BALIA	Q/C	0	755	0.0	13.3	-13.3	
10		BIHARSHARIFF-BALIA	D/C	0	283	0.0	4.2	-4.2	
11		MOTIHARI-GORAKHPUR	D/C	0	324	0.0	6.1	-6.1	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	82	110	0.0	0.5	-0.5	
13		PUSAULI-SAHUPURI	S/C	0	147	0.0	2.8	-2.8	
14		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	52.0	-51.4
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1723	0	28.8	0.0	28.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	396	202	2.1	0.0	2.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	192	84	1.0	0.0	1.0	
21		RANCHI-SIPAT	D/C	240	0	3.0	0.0	3.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	5	82	0.0	0.9	-0.9	
23		BUDHIPADAR-KORBA	D/C	214	0	3.7	0.0	3.7	
						ER-WR	38.7	0.9	37.8
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1649.0	0.0	29.8	-29.8	
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	1977.0	0.0	45.8	-45.8	
27	400 kV	TALCHER-I/C	D/C	0.0	678.0	0.0	16.3	-16.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	91.6	-91.6
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	292	30	3.8	0.0	4	
30		ALIPURDUAR-BONGAIGAON	D/C	390	0	5.6	0.0	6	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	68	22	0.7	0.0	1	
						ER-NER	10.0	0.0	10.0
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	661	0	12.6	0.0	12.6	
						NER-NR	12.6	0.0	12.6
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1401	0.0	25.0	-25.0	
34		VCHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1741	0.0	37.0	-37.0	
36	765 kV	GWALIOR-AGRA	D/C	0	2336	0.0	34.2	-34.2	
37		PHAGI-GWALIOR	D/C	0	918	0.0	13.3	-13.3	
38		JABALPUR-ORAI	D/C	0	631	0.0	17.8	-17.8	
39		GWALIOR-ORAI	S/C	630	0	11.8	0.0	11.8	
40		SATNA-ORAI	S/C	0	1251	0.0	23.8	-23.8	
41		ZERDA-KANKROLI	S/C	222	13	3.7	0.0	3.7	
42	400 kV	ZERDA -BHINMAL	S/C	217	145	0.5	0.0	0.5	
43		VCHAL -RIHAND	S/C	959	0	19.5	0.0	19.5	
44		RAPP-SHUJALPUR	D/C	199	149	0	0	0	
45	220 kV	BADOD-KOTA	S/C	23	45	0.0	0.0	0.0	
46		BADOD-MORAK	S/C	30	115	0.0	1.3	-1.3	
47		MEHGAON-AURAIYA	S/C	104	0	1.1	0.0	1.1	
48		MALANPUR-AURAIYA	S/C	59	24	0.3	0.0	0.3	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	43.3	152.4	-109.1
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.7	-23.7	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	118	1550	0.0	20.5	-20.5	
53		WARDHA-NIZAMABAD	D/C	0	1805	0.0	28.3	-28.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	783	34	9.6	0.0	9.6	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	0	68	0.0	1.0	-1.0	
57		XELDEM-AMBEWADI	S/C	0	64	0.9	0.0	0.9	
						WR-SR	10.5	73.4	-62.9
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.5	
59		NEPAL						-6.8	
60		BANGLADESH						-19.3	