



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: 5th 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 04.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 03rd 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

5-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43973	47414	41240	17752	2487	152866
Peak Shortage (MW)	470	0	0	0	36	506
Energy Met (MU)	913	1100	926	360	43	3341
Hydro Gen (MU)	114	26	72	29	6	247
Wind Gen (MU)	17	52	78	-----	-----	147
Solar Gen (MU)*	22.43	17.91	73.92	0.96	0.05	115
Energy Shortage (MU)	11.9	0.0	0.0	0.0	0.2	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46426 18:50	54523 09:23	42736 09:30	18933 19:01	2415 18:16	159025 09:27

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	0.032	0.00	0.02	3.01	3.03	73.70	23.26

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	5205	0	102.8	36.6	-0.7	101	0.0	
	Haryana	6551	0	123.4	76.0	0.3	159	0.1	
	Rajasthan	11914	0	229.6	63.9	-0.7	340	0.0	
	Delhi	4197	0	69.1	64.3	-0.3	205	0.0	
	UP	13659	0	268.0	105.8	0.8	372	0.0	
	Uttarakhand	2047	0	38.1	25.8	-1.1	115	0.0	
	HP	1610	0	29.0	23.6	-0.1	86	0.0	
	J&K	2764	691	49.6	44.3	-1.9	496	11.7	
	Chandigarh	235	0	3.7	4.0	-0.3	19	0.0	
	WR	Chhattisgarh	3620	0	81.3	31.3	0.0	253	0.0
Gujarat		15281	0	326.3	92.1	1.3	690	0.0	
MP		13144	0	237.7	120.8	-0.6	505	0.0	
Maharashtra		19867	0	408.3	118.4	0.5	447	0.0	
Goa		498	0	10.8	10.7	-0.5	88	0.0	
DD		322	0	7.0	6.8	0.2	48	0.0	
DNH		791	0	18.2	18.0	0.1	68	0.0	
Essar steel		533	0	10.6	10.6	0.0	276	0.0	
SR		Andhra Pradesh	7770	0	164.0	60.6	1.0	489	0.0
		Telangana	8686	0	174.0	65.6	0.9	498	0.0
	Karnataka	11189	0	213.1	65.2	-0.2	488	0.0	
	Kerala	3648	0	71.1	48.2	1.1	184	0.0	
	Tamil Nadu	14104	0	296.5	150.7	-1.2	489	0.0	
	Pondy	357	0	7.0	7.2	-0.2	28	0.0	
	ER	Bihar	4140	0	73.5	68.4	-0.1	460	0.0
DVC		3026	0	64.2	-44.6	0.0	396	0.0	
Jharkhand		1139	0	22.8	17.2	-0.8	169	0.0	
Odisha		3978	0	74.2	21.2	1.6	267	0.0	
West Bengal		6863	0	123.7	26.4	1.3	309	0.0	
Sikkim		100	0	1.4	1.4	0.1	18	0.0	
NER	Arunachal Pradesh	118	2	2.2	2.2	0.0	21	0.0	
	Assam	1395	26	23.6	17.7	1.3	68	0.2	
	Manipur	207	2	2.9	2.7	0.2	41	0.0	
	Meghalaya	349	0	6.2	4.7	0.1	70	0.0	
	Mizoram	105	3	2.1	1.6	0.3	12	0.0	
	Nagaland	151	2	2.1	1.8	0.2	5	0.0	
	Tripura	220	1	3.6	1.9	0.1	84	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.3	-6.9	-16.3
Day peak (MW)	23.6	-324.0	-841.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	185.7	-201.6	95.5	-82.1	2.1	-0.4
Actual(MU)	175.0	-203.2	94.2	-71.6	4.0	-1.7
O/D/U/D(MU)	-10.7	-1.7	-1.3	10.6	1.9	-1.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3104	16021	6052	1970	353	27499
State Sector	10200	15539	9880	3565	50	39234
Total	13304	31560	15932	5535	403	66733

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	522	1124	464	430	10	2549
Lignite	19	15	48	0	0	81
Hydro	114	26	72	29	6	247
Nuclear	16	31	36	0	0	83
Gas, Naptha & Diesel	20	36	19	0	27	102
RES (Wind, Solar, Biomass & Others)	68	73	197	1	0	339
Total	759	1304	834	461	43	3401

Share of RES in total generation (%)	9.01	5.60	23.58	0.22	0.12	9.98
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.18	9.99	36.45	6.59	13.68	19.68

H. Diversity Factor

All India Demand Diversity Factor	1.038
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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 : 5-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	0	890	0.0	13.5	-13.5
2		SASARAM-FATEHPUR	S/C	9	315	0.0	3.7	-3.7
3		GAYA-BALIA	S/C	0	451	0.0	7.2	-7.2
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	149	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	106	0.0	1.9	-1.9
7		PUSAULI -ALLAHABAD	S/C	0	103	0.0	1.6	-1.6
8		MUZAFFARPUR-GORAKHPUR	D/C	0	620	0.0	7.4	-7.4
9		PATNA-BALIA	Q/C	0	984	0.0	17.9	-17.9
10		BIHARSHARIFF-BALIA	D/C	0	354	0.0	5.3	-5.3
11		MOTIHARI-GORAKHPUR	D/C	0	418	0.0	7.4	-7.4
12		BIHARSHARIFF-VARANASI	D/C	25	271	0.0	3.0	-3.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	139	0.0	2.9	-2.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.6	0.0	0.6
16		KARMANASA-SAHUPURI	S/C	36	0	0.6	0.0	0.6
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						1.2	75.3	-74.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	843	0	11.3	0.0	11.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	425	288	0.5	0.0	0.5
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	4	382	0.0	4.7	-4.7
21		RANCHI-SIPAT	D/C	156	95	0.7	0.0	0.7
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	105	0.0	1.4	-1.4
23		BUDHIPADAR-KORBA	D/C	74	42	0.6	0.0	0.6
ER-WR						13.1	6.1	7.0
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1727.0	0.0	35.6	-35.6
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	17.0	0.0	0.0	0.0	0.0
27	400 kV	TALCHER-I/C	D/C	571.0	0.0	31.6	0.0	31.6
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	51.7	-51.7
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	259	0	4.1	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	370	0	6.3	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	80	3	1.0	0.0	1
ER-NER						11.4	0.0	11.4
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	661	0	16.1	0.0	16.1
NER-NR						16.1	0.0	16.1
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1351	0.0	21.1	-21.1
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1737	0.0	34.1	-34.1
36		GWALIOR-AGRA	D/C	0	1035	0.0	36.1	-36.1
37	765 kV	PHAGI-GWALIOR	D/C	0	1444	0.0	23.2	-23.2
38		JABALPUR-ORAI	D/C	0	695	0.0	23.3	-23.3
39		GWALIOR-ORAI	S/C	691	0	12.8	0.0	12.8
40		SATNA-ORAI	S/C	0	1212	0.0	25.0	-25.0
41		ZERDA-KANKROLI	S/C	198	64	1.6	0.0	1.6
42	400 kV	ZERDA -BHINMAL	S/C	105	180	0.0	1.0	-1.0
43		V'CHAL -RIHAND	S/C	974	0	19.8	0.0	19.8
44		RAPP-SHUJALPUR	D/C	246	186	0	1	-1
45	220 kV	BADOD-KOTA	S/C	46	25	0.5	0.1	0.4
46		BADOD-MORAK	S/C	10	85	0.0	0.6	-0.6
47		MEHGAON-AURAIYA	S/C	111	0	1.4	0.0	1.4
48		MALANPUR-AURAIYA	S/C	62	17	0.5	0.0	0.5
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						42.6	165.1	-122.5
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.8	-23.8
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	1943	0.0	31.2	-31.2
53		WARDHA-NIZAMABAD	D/C	0	1817	0.0	29.3	-29.3
54	400 kV	KOLHAPUR-KUDGI	D/C	675	0	10.9	0.0	10.9
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	0	72	0.0	1.3	-1.3
57		XELDEM-AMBEWADI	S/C	0	52	0.9	0.0	0.9
WR-SR						11.8	85.6	-73.8
TRANSNATIONAL EXCHANGE								
58		BHUTAN						0.3
59		NEPAL						-6.9
60		BANGLADESH						-16.3