



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: 6th 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 05.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05th 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

6-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44519	47902	41679	17943	2344	154387
Peak Shortage (MW)	445	0	0	0	102	547
Energy Met (MU)	939	1123	949	367	43	3421
Hydro Gen (MU)	111	33	81	21	5	251
Wind Gen (MU)	6	33	59	-----	-----	98
Solar Gen (MU)*	23.47	19.35	70.46	0.94	0.05	114
Energy Shortage (MU)	14.8	0.2	0.0	0.0	0.3	15.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46379 18:43	55190 09:26	43842 07:45	19089 19:14	2497 18:39	161673 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	0.039	0.00	0.12	7.57	7.69	72.97	19.34

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	5437	0	105.2	36.0	-0.8	67	0.0	
	Haryana	6455	0	126.5	77.9	1.2	168	0.1	
	Rajasthan	12436	0	239.7	77.6	0.9	333	0.0	
	Delhi	4059	0	69.4	64.2	0.0	262	0.0	
	UP	13976	0	274.7	114.4	0.2	258	2.6	
	Uttarakhand	2102	0	38.7	26.0	-0.5	161	0.0	
	HP	1642	0	30.4	23.8	0.9	167	0.0	
	J&K	2538	634	50.8	45.4	-0.3	434	12.0	
WR	Chandigarh	235	0	3.7	3.9	-0.2	18	0.0	
	Chhattisgarh	3754	0	82.3	27.2	-0.2	295	0.2	
	Gujarat	15409	0	332.1	91.0	1.9	616	0.0	
	MP	13200	0	239.3	120.2	-0.2	644	0.0	
	Maharashtra	20512	0	421.6	121.6	1.9	543	0.0	
	Goa	498	0	11.7	11.0	0.1	53	0.0	
	DD	329	0	7.4	7.0	0.4	42	0.0	
	DNH	786	0	18.4	18.1	0.3	64	0.0	
SR	Essar steel	510	0	10.7	10.8	-0.1	241	0.0	
	Andhra Pradesh	8071	0	166.7	72.0	0.4	315	0.0	
	Telangana	8751	0	180.0	67.5	0.8	676	0.0	
	Karnataka	11348	0	218.6	74.5	-0.5	304	0.0	
	Kerala	3706	0	73.6	52.8	0.8	390	0.0	
	Tamil Nadu	14372	0	303.4	156.5	-0.5	400	0.0	
	Pondy	363	0	7.2	7.4	-0.3	54	0.0	
	ER	Bihar	4191	0	74.3	70.4	0.2	460	0.0
DVC		3103	0	65.1	-45.2	0.4	396	0.0	
Jharkhand		1163	0	23.6	17.6	-0.8	169	0.0	
Odisha		3995	0	72.9	22.5	0.5	267	0.0	
West Bengal		6915	0	129.7	27.4	1.4	309	0.0	
Sikkim		100	0	1.4	1.7	-0.3	18	0.0	
NER		Arunachal Pradesh	122	3	2.3	2.2	0.1	64	0.0
		Assam	1442	32	23.4	18.3	1.2	137	0.2
	Manipur	194	4	2.8	2.7	0.0	53	0.0	
	Meghalaya	392	0	6.3	5.1	0.0	62	0.0	
	Mizoram	102	2	1.9	1.5	0.4	18	0.0	
	Nagaland	117	3	2.2	1.9	0.2	9	0.0	
	Tripura	248	0	3.7	1.8	0.3	61	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.0	-6.9	-16.2
Day peak (MW)	70.7	-316.0	-848.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	198.6	-222.5	105.6	-85.3	3.3	-0.3
Actual(MU)	189.2	-223.3	104.8	-75.7	5.6	0.6
O/D/U/D(MU)	-9.4	-0.8	-0.7	9.6	2.3	1.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3934	15989	5892	1570	353	27738
State Sector	9885	15261	9880	3145	50	38221
Total	13819	31250	15772	4715	403	65959

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	544	1187	491	452	9	2683
Lignite	17	16	50	0	0	82
Hydro	111	33	81	21	5	251
Nuclear	23	31	36	0	0	90
Gas, Naptha & Diesel	20	36	18	0	26	101
RES (Wind, Solar, Biomass & Others)	59	55	173	1	0	288
Total	774	1358	849	474	41	3495

Share of RES in total generation (%)	7.64	4.04	20.36	0.21	0.12	8.24
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	24.97	8.73	34.14	4.74	12.86	18.00

H. Diversity Factor

All India Demand Diversity Factor	1.033
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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 : 6-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	900	0.0	13.2	-13.2
2		SASARAM-FATEHPUR	S/C	0	319	0.0	4.0	-4.0
3		GAYA-BALIA	S/C	0	407	0.0	6.3	-6.3
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	0	149	0.0	3.7	-3.7
6	400 kV	PUSAULI-VARANASI	S/C	0	114	0.0	2.0	-2.0
7		PUSAULI -ALLAHABAD	S/C	0	87	0.0	1.4	-1.4
8		MUZAFFARPUR-GORAKHPUR	D/C	0	568	0.0	4.5	-4.5
9		PATNA-BALIA	Q/C	0	991	0.0	16.9	-16.9
10		BIHARSHARIFF-BALIA	D/C	0	335	0.0	4.9	-4.9
11		MOTIHARI-GORAKHPUR	D/C	0	426	0.0	7.8	-7.8
12		BIHARSHARIFF-VARANASI	D/C	17	317	0.0	3.3	-3.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	149	0.0	2.8	-2.8
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	70.8	-69.6
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	911	0	13.9	0.0	13.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	318	321	0.5	0.0	0.5
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	8	395	0.0	3.9	-3.9
21		RANCHI-SIPAT	D/C	162	86	1.0	0.0	1.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	98	0.0	1.2	-1.2
23		BUDHIPADAR-KORBA	D/C	84	45	0.9	0.0	0.9
ER-WR						16.4	5.1	11.3
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1726.0	0.0	34.1	-34.1
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	17.0	983.0	0.0	19.3	-19.3
27	400 kV	TALCHER-I/C	D/C	532.0	0.0	18.8	0.0	18.8
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	69.3	-69.3
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	245	49	3.4	0.0	3
30		ALIPURDUAR-BONGAIGAON	D/C	354	0	5.4	0.0	5
31	220 kV	ALIPURDUAR-SALAKATI	D/C	73	22	0.9	0.0	1
ER-NER						9.7	0.0	9.7
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	664	0	16.3	0.0	16.3
NER-NR						16.3	0.0	16.3
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	854	0.0	19.8	-19.8
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1738	0.0	43.6	-43.6
36		GWALIOR-AGRA	D/C	0	1055	0.0	37.9	-37.9
37	765 kV	PHAGI-GWALIOR	D/C	0	1320	0.0	23.4	-23.4
38		JABALPUR-ORAI	D/C	0	665	0.0	24.1	-24.1
39		GWALIOR-ORAI	S/C	683	0	12.0	0.0	12.0
40		SATNA-ORAI	S/C	0	1234	0.0	26.1	-26.1
41		ZERDA-KANKROLI	S/C	169	128	0.5	0.0	0.5
42	400 kV	ZERDA -BHINMAL	S/C	77	241	0.0	2.8	-2.8
43		V'CHAL -RIHAND	S/C	971	0	21.8	0.0	21.8
44		RAPP-SHUJALPUR	D/C	144	205	0	0	0
45	220 kV	BADOD-KOTA	S/C	15	51	0.3	0.5	-0.2
46		BADOD-MORAK	S/C	17	120	0.0	1.1	-1.1
47		MEHGAON-AURAIYA	S/C	108	0	1.6	0.0	1.6
48		MALANPUR-AURAIYA	S/C	56	7	0.6	0.0	0.6
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						43.1	179.2	-136.1
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	19.7	-19.7
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	1958	0.0	31.5	-31.5
53		WARDHA-NIZAMABAD	D/C	0	2010	0.0	34.0	-34.0
54	400 kV	KOLHAPUR-KUDGI	D/C	736	0	11.8	0.0	11.8
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	0	77	0.0	1.4	-1.4
57		XELDEM-AMBEWADI	S/C	0	55	1.0	0.0	1.0
WR-SR						12.8	86.6	-73.8
TRANSNATIONAL EXCHANGE								
58		BHUTAN						0.0
59		NEPAL						-6.9
60		BANGLADESH						-16.2