



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: 8<sup>th</sup> 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 07.02.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07<sup>th</sup> February 2019, is available at the NLDC website.

धन्यवाद,

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	37224	46570	42665	18005	2454	146918
Peak Shortage (MW)	374	0	0	0	40	414
Energy Met (MU)	834	1081	974	366	43	3298
Hydro Gen (MU)	102	20	79	17	5	223
Wind Gen (MU)	16	83	35	-----	-----	134
Solar Gen (MU)*	19.94	23.16	67.36	0.78	0.04	111
Energy Shortage (MU)	7.2	0.4	0.0	0.0	0.3	7.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	39568 11:31	53809 09:39	44739 09:42	18945 19:08	2510 18:20	154755 09:34

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	0.00	2.23	2.23	65.28	32.49

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	4492	0	92.4	35.9	-0.8	153	0.0	
	Haryana	5921	0	129.7	69.8	-1.2	290	0.0	
	Rajasthan	11612	0	226.4	62.5	-0.1	318	0.0	
	Delhi	4013	0	68.7	63.4	-0.2	228	0.0	
	UP	11152	0	221.2	84.4	-0.9	243	0.0	
	Uttarakhand	2142	0	37.1	25.6	-0.2	157	0.0	
	HP	1459	0	26.2	22.0	-1.5	65	0.3	
	J&K	1521	380	29.2	33.3	-9.8	202	6.9	
	Chandigarh	214	0	3.6	3.7	-0.1	17	0.0	
	WR	Chhattisgarh	3868	0	83.4	38.7	-0.6	530	0.4
Gujarat		15026	0	320.1	62.8	2.5	809	0.0	
MP		11875	0	213.7	96.9	-0.9	659	0.0	
Maharashtra		20225	0	414.1	123.7	0.1	501	0.0	
Goa		498	0	12.3	11.5	0.2	38	0.0	
DD		325	0	7.3	7.4	-0.1	16	0.0	
DNH		790	0	18.5	18.3	0.2	43	0.0	
Essar steel		535	0	11.1	11.1	0.0	256	0.0	
SR		Andhra Pradesh	8110	0	169.2	58.5	1.7	440	0.0
		Telangana	9019	0	187.4	77.1	0.2	491	0.0
	Karnataka	11563	0	223.3	84.3	0.7	482	0.0	
	Kerala	3740	0	74.9	57.7	0.7	224	0.0	
	Tamil Nadu	14566	0	311.4	166.7	-0.4	492	0.0	
	Pondy	375	0	7.4	7.4	0.0	57	0.0	
	ER	Bihar	4095	0	73.4	70.0	-0.9	460	0.0
		DVC	3085	0	64.5	-47.1	0.7	396	0.0
		Jharkhand	1098	0	23.6	17.8	-0.5	169	0.0
		Odisha	4040	0	73.6	25.3	1.1	267	0.0
West Bengal		6937	0	129.6	30.3	0.2	309	0.0	
Sikkim		100	0	1.4	1.6	-0.2	18	0.0	
NER		Arunachal Pradesh	118	3	2.2	2.2	-0.1	51	0.0
	Assam	1429	26	23.9	19.3	0.4	106	0.3	
	Manipur	173	2	2.9	2.8	0.1	39	0.0	
	Meghalaya	355	0	6.2	5.3	-0.1	34	0.0	
	Mizoram	102	1	2.0	1.6	0.2	11	0.0	
	Nagaland	126	2	2.1	1.9	0.1	24	0.0	
	Tripura	221	0	3.8	1.9	0.2	46	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.1	-6.9	-16.8
Day peak (MW)	121.4	-307.0	-840.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	169.9	-218.3	120.2	-77.3	5.3	-0.2
Actual(MU)	150.7	-219.8	130.0	-76.7	7.2	-8.5
O/D/U/D(MU)	-19.1	-1.4	9.8	0.7	1.9	-8.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4424	15736	6202	1220	353	27935
State Sector	10445	14869	8080	3495	50	36939
Total	14869	30605	14282	4715	403	64874

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	479	1092	521	460	8	2560
Lignite	11	15	57	0	0	82
Hydro	102	20	79	17	5	223
Nuclear	18	31	31	0	0	81
Gas, Naptha & Diesel	19	35	18	0	27	99
RES (Wind, Solar, Biomass & Others)	65	108	145	1	0	318
Total	694	1301	851	478	40	3363

Share of RES in total generation (%)	9.40	8.28	17.00	0.17	0.10	9.47
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.73	12.23	29.94	3.65	12.74	18.49

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 : 8-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)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	0	792	0.0	9.5	-9.5	
2		SASARAM-FATEHPUR	S/C	0	372	0.0	5.1	-5.1	
3		GAYA-BALIA	S/C	0	371	0.0	5.5	-5.5	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	HVDC	PUSAULI B/B	S/C	0	149	0.0	3.6	-3.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	114	0.0	2.1	-2.1	
7		PUSAULI -ALLAHABAD	S/C	0	102	0.0	1.4	-1.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	17	512	0.0	4.7	-4.7	
9		PATNA-BALIA	Q/C	0	937	0.0	15.5	-15.5	
10		BIHARSHARIFF-BALIA	D/C	0	356	0.0	4.3	-4.3	
11		MOTIHARI-GORAKHPUR	D/C	0	339	0.0	6.9	-6.9	
12		BIHARSHARIFF-VARANASI	D/C	52	301	0.0	2.4	-2.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	161	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	40	0	0.6	0.0	0.6	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>1.2</b>	<b>63.9</b>	<b>-62.7</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1331	0	16.7	0.0	16.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	314	592	0.0	1.9	-1.9	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	9	461	0.0	5.8	-5.8	
21		RANCHI-SIPAT	D/C	142	158	0.3	0.0	0.3	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	118	0.0	1.4	-1.4	
23		BUDHIPADAR-KORBA	D/C	158	0	1.9	0.0	1.9	
<b>ER-WR</b>						<b>19.0</b>	<b>9.1</b>	<b>9.8</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2289.0	0.0	37.4	-37.4	
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	1291.0	0.0	25.4	-25.4	
27	400 kV	TALCHER-I/C	D/C	722.0	0.0	18.0	0.0	18.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>78.8</b>	<b>-78.8</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	208	60	2.9	0.0	3	
30		ALIPURDUAR-BONGAIGAON	D/C	297	0	4.6	0.0	5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	64	18	0.8	0.0	1	
<b>ER-NER</b>						<b>8.4</b>	<b>0.0</b>	<b>8.4</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	665	0	16.3	0.0	16.3	
<b>NER-NR</b>						<b>16.3</b>	<b>0.0</b>	<b>16.3</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	20.7	-20.7	
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1923	0.0	43.1	-43.1	
36		GWALIOR-AGRA	D/C	0	1936	0.0	32.4	-32.4	
37	765 kV	PHAGI-GWALIOR	D/C	0	1049	0.0	15.5	-15.5	
38		JABALPUR-ORAI	D/C	37	624	0.0	11.4	-11.4	
39		GWALIOR-ORAI	S/C	592	0	9.5	0.0	9.5	
40		SATNA-ORAI	S/C	0	1189	0.0	22.6	-22.6	
41		400 kV	ZERDA-KANKROLI	S/C	319	95	2.1	0.0	2.1
42			ZERDA -BHINMAL	S/C	183	248	0.0	1.5	-1.5
43	V'CHAL -RIHAND		S/C	962	0	17.4	0.0	17.4	
44	RAPP-SHUJALPUR		D/C	239	99	0	0	0	
45	220 kV	BADOD-KOTA	S/C	65	25	0.0	0.6	-0.6	
46		BADOD-MORAK	S/C	0	132	0.0	1.5	-1.5	
47		MEHGAON-AURAIYA	S/C	80	0	0.8	0.0	0.8	
48	132kV	MALANPUR-AURAIYA	S/C	62	3	0.4	0.0	0.4	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>36.8</b>	<b>149.3</b>	<b>-112.5</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.1	-23.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2638	0.0	38.6	-38.6	
53		WARDHA-NIZAMABAD	D/C	0	2636	0.0	41.4	-41.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	555	80	5.7	0.0	5.7	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	0	80	0.0	1.5	-1.5	
57		XELDEM-AMBEWADI	S/C	0	58	1.1	0.0	1.1	
<b>WR-SR</b>						<b>6.8</b>	<b>104.5</b>	<b>-97.7</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>0.1</b>	
59		NEPAL						<b>-6.9</b>	
60		BANGLADESH						<b>-16.8</b>	