



**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: 16<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., डोंगतिह, 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 15.02.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-फरवरी-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 15<sup>th</sup> 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

16-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42344	45221	42783	17500	2457	150305
Peak Shortage (MW)	587	0	50	0	37	674
Energy Met (MU)	862	1075	999	373	43	3352
Hydro Gen (MU)	133	18	90	28	3	272
Wind Gen (MU)	7	40	29	-----	-----	76
Solar Gen (MU)*	22.10	22.05	73.15	0.84	0.05	118
Energy Shortage (MU)	10.4	0.0	0.2	0.0	0.3	10.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44141 19:00	52796 11:01	45366 09:28	18659 18:58	2395 18:14	156391 09:55

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	0.053	0.02	1.12	10.95	12.09	69.76	18.15

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	5249	0	105.3	36.8	-1.1	42	0.0
	Haryana	6124	0	116.5	79.9	0.3	174	0.0
	Rajasthan	11845	0	230.5	61.9	-2.2	187	0.0
	Delhi	4049	0	68.5	55.2	-0.4	249	0.1
	UP	13382	0	236.4	93.2	-0.1	376	0.0
	Uttarakhand	2039	0	35.8	22.9	-1.3	138	0.0
	HP	1498	0	26.9	21.7	-2.0	21	1.1
	J&K	2080	520	38.6	44.3	-15.2	-310	9.2
WR	Chandigarh	220	0	3.5	4.0	-0.4	11	0.0
	Chhattisgarh	4023	0	85.9	27.5	-0.7	460	0.0
	Gujarat	14794	0	324.4	105.3	2.7	642	0.0
	MP	10297	0	198.8	95.5	-0.5	532	0.0
	Maharashtra	20046	0	418.4	128.4	0.4	683	0.0
	Goa	498	0	11.9	11.7	-0.4	181	0.0
	DD	327	0	7.3	7.1	0.2	84	0.0
	DNH	777	0	18.3	18.2	0.1	101	0.0
SR	Essar steel	525	0	10.4	10.8	-0.4	255	0.0
	Andhra Pradesh	8310	0	175.9	67.0	1.1	455	0.0
	Telangana	9163	0	192.1	65.1	-0.3	579	0.0
	Karnataka	11842	0	226.2	77.6	0.7	642	0.0
	Kerala	3738	50	75.9	59.0	0.5	219	0.2
	Tamil Nadu	14764	0	321.4	172.8	0.2	672	0.0
	Pondy	364	0	7.5	7.7	-0.2	45	0.0
	Bihar	3984	0	70.8	64.8	0.9	460	0.0
ER	DVC	3057	0	64.3	-41.9	0.3	396	0.0
	Jharkhand	999	0	22.2	16.8	-1.0	169	0.0
	Odisha	5108	0	83.6	32.8	0.4	267	0.0
	West Bengal	6761	0	130.4	25.0	0.9	309	0.0
	Sikkim	100	0	1.5	1.6	-0.1	18	0.0
NER	Arunachal Pradesh	112	2	2.2	2.5	-0.3	21	0.0
	Assam	1438	22	24.0	19.3	1.1	102	0.3
	Manipur	178	3	2.8	2.7	0.1	29	0.0
	Meghalaya	368	0	6.1	5.0	-0.3	36	0.0
	Mizoram	96	1	1.9	1.5	0.3	14	0.0
	Nagaland	126	2	2.1	2.0	0.0	21	0.0
	Tripura	224	0	3.9	1.8	0.1	39	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.5	-6.0	11.4
Day peak (MW)	132.7	-332.0	-889.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	154.9	-189.4	116.7	-87.5	5.3	0.0
Actual(MU)	138.5	-187.9	131.0	-83.2	6.1	4.5
O/D/U/D(MU)	-16.3	1.5	14.3	4.3	0.8	4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4505	16650	6482	1370	628	29635
State Sector	10980	14564	7840	4375	50	37809
Total	15485	31214	14322	5745	678	67444

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	492	1102	533	464	9	2599
Lignite	19	17	62	0	0	97
Hydro	133	18	90	28	3	272
Nuclear	9	31	36	0	0	76
Gas, Naptha & Diesel	29	33	18	0	29	109
RES (Wind, Solar, Biomass & Others)	60	64	144	1	0	269
Total	742	1265	883	493	41	3424

Share of RES in total generation (%)	8.04	5.06	16.36	0.18	0.12	7.86
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.24	8.94	30.59	5.93	7.22	18.03

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 :	16-Feb-19
Sl 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)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	0	395	0.0	4.5	-4.5	
2		SASARAM-FATEHPUR	S/C	0	271	0.0	3.0	-3.0	
3		GAYA-BALIA	S/C	0	367	0.0	5.7	-5.7	
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	111	0.0	2.3	-2.3	
7		PUSAULI -ALLAHABAD	S/C	0	84	0.0	1.1	-1.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	510	0.0	6.6	-6.6	
9		PATNA-BALIA	Q/C	0	1020	0.0	18.6	-18.6	
10		BIHARSHARIFF-BALIA	D/C	0	378	0.0	3.3	-3.3	
11		MOTIHARI-GORAKHPUR	D/C	0	333	0.0	6.5	-6.5	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	63	219	0.0	1.9	-1.9	
13		PUSAULI-SAHUPURI	S/C	0	148	0.0	2.7	-2.7	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	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-CHANDALI	S/C	1	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>0.6</b>	<b>59.7</b>	<b>-59.2</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1191	0	20.1	0.0	20.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	120	571	0.0	5.1	-5.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	350	223	0.4	0.0	0.4	
21		RANCHI-SIPAT	D/C	155	97	1.0	0.0	1.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	47	123	0.0	1.1	-1.1	
23		BUDHIPADAR-KORBA	D/C	126	0	1.6	0.0	1.6	
<b>ER-WR</b>						<b>23.1</b>	<b>6.1</b>	<b>16.9</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1744.0	0.0	32.5	-32.5	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	16.0	-16.0	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2258.0	0.0	46.4	-46.4	
27	400 kV	TALCHER-I/C	D/C	59.0	491.0	0.0	4.6	-4.6	
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>94.9</b>	<b>-94.9</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	231	60	3.4	0.0	3	
30		ALIPURDUAR-BONGAIGAON	D/C	366	0	5.2	0.0	5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	84	37	0.5	0.0	1	
<b>ER-NER</b>						<b>9.1</b>	<b>0.0</b>	<b>9.1</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	1004	0.0	23.8	-23.8	
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	1644	0.0	37.8	-37.8	
36	765 kV	GWALIOR-AGRA	D/C	0	1920	0.0	32.3	-32.3	
37		PHAGI-GWALIOR	D/C	73	880	0.0	9.7	-9.7	
38		JABALPUR-ORAI	D/C	0	561	0.0	15.4	-15.4	
39		GWALIOR-ORAI	S/C	610	0	11.5	0.0	11.5	
40		SATNA-ORAI	S/C	0	1123	0.0	21.3	-21.3	
41		ZERDA-KANKROLI	S/C	200	16	3.4	0.0	3.4	
42	400 kV	ZERDA -BHINMAL	S/C	191	175	0.0	0.4	-0.4	
43		V'CHAL -RIHAND	S/C	955	0	18.8	0.0	18.8	
44		RAPP-SHUJALPUR	D/C	176	184	0	0	0	
45	220 kV	BADOD-KOTA	S/C	38	27	0.3	0.0	0.3	
46		BADOD-MORAK	S/C	12	90	0.0	0.9	-0.9	
47		MEHGAON-AURAIYA	S/C	92	0	1.1	0.0	1.1	
48		MALANPUR-AURAIYA	S/C	52	15	0.4	0.0	0.3	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>41.5</b>	<b>141.6</b>	<b>-100.2</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.2	-23.2	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52		SOLAPUR-RAICHUR	D/C	46	1841	0.0	25.0	-25.0	
53	765 kV	WARDHA-NIZAMABAD	D/C	0	1939	0.0	29.7	-29.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	793	0	8.5	0.0	8.5	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		220 kV	PONDA-AMBEWADI	S/C	0	73	0.0	1.2	-1.2
57		XELDEM-AMBEWADI	S/C	0	53	0.9	0.0	0.9	
<b>WR-SR</b>						<b>9.4</b>	<b>79.1</b>	<b>-69.7</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						1.5	
59		NEPAL						-6.0	
60		BANGLADESH						11.4	