



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: 10th 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 09.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 09th 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

10-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	41332	46115	42040	16642	2379	148508
Peak Shortage (MW)	861	0	0	0	90	951
Energy Met (MU)	882	1062	968	335	42	3288
Hydro Gen (MU)	117	23	68	26	5	240
Wind Gen (MU)	10	52	27	-----	-----	89
Solar Gen (MU)*	20.81	24.47	68.78	0.69	-----	115
Energy Shortage (MU)	10.4	0.0	0.0	0.0	0.7	11.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42828 11:38	53635 09:28	43585 09:42	18158 19:17	2374 18:09	155338 09:25

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	0.046	0.00	0.02	2.86	2.88	57.71	39.41

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	5270	0	104.3	38.1	-0.9	70	0.0	
	Haryana	6252	0	120.0	77.7	0.1	185	0.0	
	Rajasthan	11501	0	229.4	67.9	-1.1	204	0.0	
	Delhi	4008	0	65.8	61.5	-1.5	202	0.0	
	UP	12346	0	248.0	92.3	0.7	469	0.0	
	Uttarakhand	2111	0	39.2	26.3	0.1	187	0.0	
	HP	1596	17	28.6	22.1	0.5	141	0.4	
	J&K	2141	535	42.8	42.4	-5.0	59	10.0	
	Chandigarh	219	0	3.4	3.7	-0.3	12	0.0	
	WR	Chhattisgarh	3687	0	80.7	24.1	-0.8	316	0.0
Gujarat		14920	0	314.9	79.2	0.5	867	0.0	
MP		12770	0	230.6	112.6	-1.5	670	0.0	
Maharashtra		19141	0	389.6	110.9	0.4	542	0.0	
Goa		498	0	12.3	10.8	0.9	28	0.0	
DD		315	0	7.1	7.1	0.0	25	0.0	
DNH		772	0	18.1	17.9	0.2	45	0.0	
Essar steel		568	0	8.8	9.5	-0.7	232	0.0	
SR		Andhra Pradesh	8250	0	172.6	71.8	1.5	886	0.0
		Telangana	8763	0	185.4	74.8	0.0	583	0.0
	Karnataka	11467	0	215.2	75.8	0.0	626	0.0	
	Kerala	3440	0	73.4	57.7	0.9	235	0.0	
	Tamil Nadu	14855	0	313.6	175.2	-1.9	615	0.0	
	Pondy	369	0	7.4	7.6	-0.2	39	0.0	
	ER	Bihar	3789	0	55.0	53.8	-3.2	460	0.0
DVC		3099	0	62.2	-48.2	1.9	396	0.0	
Jharkhand		1005	0	20.0	14.9	-1.0	169	0.0	
Odisha		3968	0	72.4	26.0	0.3	267	0.0	
West Bengal		6504	0	124.0	17.5	-0.1	309	0.0	
Sikkim		94	0	1.3	1.9	-0.6	18	0.0	
NER	Arunachal Pradesh	124	5	2.1	2.4	-0.3	20	0.0	
	Assam	1369	23	23.2	17.2	1.7	100	0.7	
	Manipur	180	4	2.8	2.8	0.0	20	0.0	
	Meghalaya	365	0	6.1	5.9	-0.3	36	0.0	
	Mizoram	102	8	1.8	1.6	-0.1	16	0.0	
	Nagaland	128	8	2.1	2.0	0.0	36	0.0	
	Tripura	226	12	3.8	1.8	0.2	48	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.4	-6.2	-16.0
Day peak (MW)	167.2	-318.0	-849.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	187.8	-234.8	135.5	-94.4	5.9	0.0
Actual(MU)	178.5	-231.7	147.3	-97.0	1.9	-1.2
O/D/U/D(MU)	-9.4	3.1	11.8	-2.6	-4.0	-1.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4347	14936	6402	870	633	27188
State Sector	10445	15896	8230	3745	50	38366
Total	14792	30832	14632	4615	683	65553

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	504	1123	540	434	8	2610
Lignite	13	17	55	0	0	84
Hydro	117	23	68	26	5	240
Nuclear	19	31	14	0	0	64
Gas, Naptha & Diesel	18	33	18	0	26	94
RES (Wind, Solar, Biomass & Others)	60	80	137	1	0	278
Total	730	1307	832	461	39	3369
Share of RES in total generation (%)	8.25	6.10	16.52	0.16	0.10	8.26
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.84	10.29	26.32	5.89	12.20	17.26

H. Diversity Factor

All India Demand Diversity Factor	1.034
-----------------------------------	-------

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 : 10-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	630	0.0	9.7	-9.7
2		SASARAM-FATEHPUR	S/C	0	462	0.0	7.1	-7.1
3		GAYA-BALIA	S/C	0	276	0.0	5.0	-5.0
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	149	0.0	3.5	-3.5
6	400 kV	PUSAULI-VARANASI	S/C	0	109	0.0	1.7	-1.7
7		PUSAULI -ALLAHABAD	S/C	0	107	0.0	1.7	-1.7
8		MUZAFFARPUR-GORAKHPUR	D/C	0	612	0.0	8.2	-8.2
9		PATNA-BALIA	Q/C	0	977	0.0	17.1	-17.1
10		BIHARSHARIFF-BALIA	D/C	0	307	0.0	5.1	-5.1
11		MOTIHARI-GORAKHPUR	D/C	0	409	0.0	7.3	-7.3
12		BIHARSHARIFF-VARANASI	D/C	17	263	0.0	3.2	-3.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	152	0.0	2.7	-2.7
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						0.5	72.3	-71.8
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1201	0	18.4	0.0	18.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	648	0.0	6.7	-6.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	61	301	0.0	2.6	-2.6
21		RANCHI-SIPAT	D/C	106	137	0.0	0.2	-0.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	89	0.0	1.2	-1.2
23		BUDHIPADAR-KORBA	D/C	142	0	2.3	0.0	2.3
ER-WR						20.6	10.7	9.9
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1700.0	0.0	32.6	-32.6
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	0.0	1980.0	0.0	47.5	-47.5
27	400 kV	TALCHER-I/C	D/C	0.0	400.0	0.0	3.7	-3.7
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	96.2	-96.2
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	332	13	5.2	0.0	5
30		ALIPURDUAR-BONGAIGAON	D/C	434	0	6.9	0.0	7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	82	13	1.1	0.0	1
ER-NER						13.2	0.0	13.2
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	660	0	16.2	0.0	16.2
NER-NR						16.2	0.0	16.2
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2006	0.0	42.5	-42.5
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1740	0.0	41.6	-41.6
36		GWALIOR-AGRA	D/C	0	1671	0.0	24.2	-24.2
37	765 kV	PHAGI-GWALIOR	D/C	0	1221	0.0	18.3	-18.3
38		JABALPUR-ORAI	D/C	0	546	0.0	17.5	-17.5
39		GWALIOR-ORAI	S/C	570	0	9.6	0.0	9.6
40		SATNA-ORAI	S/C	0	1136	0.0	22.7	-22.7
41		ZERDA-KANKROLI	S/C	255	89	2.2	0.0	2.2
42	400 kV	ZERDA -BHINMAL	S/C	166	206	0.0	1.4	-1.4
43		V'CHAL -RIHAND	S/C	964	0	19.4	0.0	19.4
44		RAPP-SHUJALPUR	D/C	182	131	1	0	1
45	220 kV	BADOD-KOTA	S/C	25	43	0.2	0.4	-0.1
46		BADOD-MORAK	S/C	5	96	0.0	1.1	-1.1
47		MEHGAON-AURAIYA	S/C	116	0	1.5	0.0	1.5
48		MALANPUR-AURAIYA	S/C	72	2	0.8	0.0	0.8
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						40.5	169.7	-129.2
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.9	-23.9
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2297	0.0	39.7	-39.7
53		WARDHA-NIZAMABAD	D/C	0	2221	0.0	35.9	-35.9
54	400 kV	KOLHAPUR-KUDGI	D/C	504	220	8.0	0.0	8.0
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	0	72	0.0	1.3	-1.3
57		XELDEM-AMBEWADI	S/C	0	52	1.0	0.0	1.0
WR-SR						9.0	100.8	-91.8
TRANSNATIONAL EXCHANGE								
58		BHUTAN						1.4
59		NEPAL						-6.2
60		BANGLADESH						-16.0