



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: 13th 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 12.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12th 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

13-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42545	47644	43588	17708	2466	153951
Peak Shortage (MW)	537	236	0	0	40	813
Energy Met (MU)	910	1115	971	362	41	3398
Hydro Gen (MU)	108	25	58	29	3	224
Wind Gen (MU)	25	48	97	-----	-----	170
Solar Gen (MU)*	23.82	21.11	73.29	0.97	0.06	119
Energy Shortage (MU)	12.6	0.9	0.0	0.0	0.7	14.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43610 18:48	55704 09:37	44216 07:45	19408 18:13	2483 18:09	159051 09:39

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	0.033	0.00	0.00	5.98	5.98	77.00	17.01

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	5390	0	105.8	38.6	-0.7	54	0.0	
	Haryana	6456	0	123.0	80.0	0.4	147	0.0	
	Rajasthan	12115	0	236.5	50.5	-2.3	140	0.0	
	Delhi	3945	0	67.1	60.2	-0.2	256	0.0	
	UP	12325	0	257.5	102.2	1.3	438	0.9	
	Uttarakhand	2044	0	37.8	24.8	-0.5	75	0.0	
	HP	1595	0	29.0	23.3	0.0	53	0.0	
	J&K	2804	495	49.4	44.3	5.0	252	11.6	
WR	Chandigarh	230	0	3.6	3.9	-0.3	20	0.0	
	Chhattisgarh	3956	0	86.6	26.8	1.3	462	0.9	
	Gujarat	15078	0	323.4	81.0	2.3	449	0.0	
	MP	12938	0	236.3	118.1	0.1	489	0.0	
	Maharashtra	20268	0	420.1	121.4	1.6	462	0.0	
	Goa	498	0	12.3	11.1	0.6	51	0.0	
	DD	313	0	7.1	6.9	0.1	25	0.0	
	DNH	776	0	18.1	17.9	0.2	42	0.0	
SR	Essar steel	537	0	10.9	10.7	0.3	261	0.0	
	Andhra Pradesh	8133	0	174.8	62.9	0.0	496	0.0	
	Telangana	9229	0	193.1	72.4	1.1	498	0.0	
	Karnataka	10653	0	212.3	78.1	-0.8	492	0.0	
	Kerala	3709	0	73.2	61.2	0.8	176	0.0	
	Tamil Nadu	14914	0	309.9	144.8	-0.8	488	0.0	
	Pondy	373	0	7.4	7.6	-0.3	45	0.0	
	ER	Bihar	3922	0	72.1	65.4	1.3	460	0.0
DVC		3020	0	64.1	-43.1	-0.2	396	0.0	
Jharkhand		1082	0	24.2	17.4	0.4	169	0.0	
Odisha		3500	0	73.7	24.0	0.5	267	0.0	
West Bengal		6966	0	126.9	19.1	-0.4	309	0.0	
Sikkim		100	0	1.3	1.6	-0.3	18	0.0	
NER		Arunachal Pradesh	125	2	2.1	2.4	-0.4	31	0.0
		Assam	1445	25	23.2	19.0	0.1	98	0.1
	Manipur	168	2	2.5	2.7	-0.3	14	0.2	
	Meghalaya	360	0	6.0	5.2	-0.2	34	0.0	
	Mizoram	98	2	2.0	1.5	0.2	16	0.1	
	Nagaland	124	2	2.1	1.8	0.1	32	0.2	
	Tripura	225	1	3.4	1.9	-0.3	27	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.3	-6.9	-19.5
Day peak (MW)	127.7	-310.0	-998.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	179.0	-218.2	117.9	-88.0	10.0	0.6
Actual(MU)	169.3	-207.2	112.1	-81.1	5.7	-1.4
O/D/U/D(MU)	-9.7	11.0	-5.8	6.9	-4.3	-2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5225	15546	5682	870	731	28053
State Sector	10980	15416	9020	3205	50	38671
Total	16205	30962	14702	4075	780	66724

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	506	1154	486	452	8	2607
Lignite	19	17	47	0	0	82
Hydro	108	25	58	29	3	224
Nuclear	19	31	36	0	0	86
Gas, Naptha & Diesel	24	33	17	0	24	98
RES (Wind, Solar, Biomass & Others)	78	74	212	1	0	365
Total	753	1334	856	483	36	3461

Share of RES in total generation (%)	10.32	5.53	24.78	0.21	0.17	10.54
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.15	9.75	35.77	6.27	8.71	19.47

H. Diversity Factor

All India Demand Diversity Factor	1.040
-----------------------------------	-------

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 : 13-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	772	0.0	10.3	-10.3	
2		SASARAM-FATEHPUR	S/C	0	317	0.0	3.8	-3.8	
3		GAYA-BALIA	S/C	0	388	0.0	6.3	-6.3	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	400 kV	PUSAULI B/B	S/C	0	149	0.0	3.6	-3.6	
6		PUSAULI-VARANASI	S/C	0	97	0.0	1.7	-1.7	
7		PUSAULI -ALLAHABAD	S/C	0	112	0.0	1.8	-1.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	579	0.0	7.5	-7.5	
9		PATNA-BALIA	Q/C	0	967	0.0	17.1	-17.1	
10		BIHARSHARIFF-BALIA	D/C	0	319	0.0	4.8	-4.8	
11		MOTIHARI-GORAKHPUR	D/C	0	389	0.0	7.3	-7.3	
12		BIHARSHARIFF-VARANASI	D/C	0	250	0.0	2.9	-2.9	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	152	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	0.7	0.0	0.7
16			KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17			KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0
ER-NR						0.7	69.7	-69.1	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1290	0	21.4	0.0	21.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	259	260	1.1	0.0	1.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	87	217	0.0	1.1	-1.1	
21		RANCHI-SIPAT	D/C	188	36	2.5	0.0	2.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	106	0.0	1.4	-1.4	
23		BUDHIPADAR-KORBA	D/C	157	0	1.9	0.0	1.9	
ER-WR						27.0	2.5	24.4	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1870.0	0.0	31.7	-31.7	
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	1978.0	0.0	40.6	-40.6	
27	400 kV	TALCHER-I/C	D/C	432.0	732.0	0.0	3.2	-3.2	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	88.3	-88.3	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	259	58	3.8	0.0	4	
30		ALIPURDUAR-BONGAIGAON	D/C	357	0	5.7	0.0	6	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	78	21	0.8	0.0	1	
ER-NER						10.3	0.0	10.3	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	666	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	1002	0.0	19.2	-19.2	
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	1457	0.0	31.0	-31.0	
36		GWALIOR-AGRA	D/C	0	2176	0.0	40.2	-40.2	
37	765 kV	PHAGI-GWALIOR	D/C	0	1019	0.0	14.9	-14.9	
38		JABALPUR-ORAI	D/C	264	629	0.0	25.1	-25.1	
39		GWALIOR-ORAI	S/C	743	0	12.2	0.0	12.2	
40		SATNA-ORAI	S/C	0	1254	0.0	25.5	-25.5	
41		400 kV	ZERDA-KANKROLI	S/C	254	107	0.4	0.0	0.4
42			ZERDA -BHINMAL	S/C	168	226	0.0	2.1	-2.1
43	V'CHAL -RIHAND		S/C	965	0	19.5	0.0	19.5	
44	RAPP-SHUJALPUR		D/C	103	189	1	0	1	
45	220 kV	BADOD-KOTA	S/C	28	40	0.0	0.6	-0.6	
46		BADOD-MORAK	S/C	0	119	0.0	1.5	-1.5	
47		MEHGAON-AURAIYA	S/C	107	0	1.1	0.0	1.1	
48	132kV	MALANPUR-AURAIYA	S/C	58	24	0.3	0.1	0.2	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						40.4	160.1	-119.7	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	21.8	-21.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	431	1838	0.0	24.1	-24.1	
53		WARDHA-NIZAMABAD	D/C	0	1956	0.0	31.4	-31.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	1086	0	14.3	0.0	14.3	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	0	73	0.0	1.3	-1.3	
57		XELDEM-AMBEWADI	S/C	0	52	1.0	0.0	1.0	
WR-SR						15.2	78.6	-63.3	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.3	
59		NEPAL						-6.9	
60		BANGLADESH						-19.5	