



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: 2nd 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., डोंगतेह, लोअर नोंग्रह, लापालंग, 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 01.02.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-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 01st 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

2-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	45228	45976	41279	18198	2405	153086
Peak Shortage (MW)	621	0	0	0	34	655
Energy Met (MU)	923	1085	925	369	43	3345
Hydro Gen (MU)	118	27	77	25	7	254
Wind Gen (MU)	24	69	42	-----	-----	134
Solar Gen (MU)*	21.28	22.38	69.78	0.91	0.04	114
Energy Shortage (MU)	12.5	0.0	0.0	0.0	0.3	12.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46719 18:31	53977 09:40	43285 09:40	18869 18:51	2399 18:05	159544 09:40

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	0.050	0.08	1.56	9.86	11.50	75.58	12.92

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	5508	0	109.5	35.1	-0.9	70	0.0	
	Haryana	6716	86	125.1	77.8	1.1	191	0.4	
	Rajasthan	12406	0	236.6	62.2	-2.6	245	0.0	
	Delhi	4284	0	71.3	57.6	1.3	310	0.0	
	UP	13697	0	268.0	113.7	-0.1	272	1.8	
	Uttarakhand	2182	0	35.7	26.2	-0.2	103	0.0	
	HP	1639	0	30.4	25.1	-0.4	84	0.1	
	J&K	2427	607	42.9	42.0	-4.6	257	10.2	
	Chandigarh	260	0	3.9	4.2	-0.3	20	0.0	
	WR	Chhattisgarh	3602	0	78.8	25.6	0.0	305	0.0
Gujarat		15170	0	322.6	68.9	1.9	757	0.0	
MP		13189	0	237.1	130.8	-0.6	622	0.0	
Maharashtra		19506	0	399.3	115.0	0.4	696	0.0	
Goa		452	0	11.5	11.3	-0.4	29	0.0	
DD		310	0	7.0	7.0	0.0	29	0.0	
DNH		743	0	17.6	17.3	0.3	55	0.0	
Essar steel		531	0	11.0	10.2	0.8	316	0.0	
SR		Andhra Pradesh	7546	0	159.5	60.8	1.1	632	0.0
		Telangana	8543	0	167.8	71.8	0.2	516	0.0
	Karnataka	11646	0	217.6	79.6	-0.2	526	0.0	
	Kerala	3541	0	70.6	52.5	0.8	176	0.0	
	Tamil Nadu	14262	0	302.2	156.1	-0.9	531	0.0	
	Pondy	365	0	7.1	7.3	-0.1	29	0.0	
ER	Bihar	4142	0	73.3	67.0	1.1	460	0.0	
	DVC	2998	0	63.9	-43.0	-0.6	396	0.0	
	Jharkhand	1141	0	24.8	18.1	-0.5	169	0.0	
	Odisha	3907	0	73.5	22.3	-0.4	267	0.0	
	West Bengal	6871	0	132.4	29.4	-0.3	309	0.0	
	Sikkim	99	0	1.5	1.6	-0.2	18	0.0	
NER	Arunachal Pradesh	124	3	2.2	3.0	-0.8	0	0.0	
	Assam	1405	23	23.8	18.0	1.4	104	0.3	
	Manipur	204	6	2.7	2.6	0.1	40	0.0	
	Meghalaya	368	2	6.3	4.9	-0.1	230	0.0	
	Mizoram	104	4	1.8	1.6	0.0	14	0.0	
	Nagaland	112	2	2.2	2.0	0.0	38	0.0	
	Tripura	229	9	3.8	2.0	-0.1	40	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-0.8	-6.2	-13.2
Day peak (MW)	54.4	-317.0	-827.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	180.4	-226.6	115.3	-72.1	2.1	-0.9
Actual(MU)	175.0	-230.5	114.6	-67.9	2.6	-6.2
O/D/U/D(MU)	-5.4	-3.9	-0.7	4.2	0.5	-5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3369	15296	6442	1415	130	26651
State Sector	10810	16529	9860	3565	50	40814
Total	14179	31825	16302	4980	179	67465

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	530	1119	492	435	9	2586
Lignite	14	15	43	0	0	71
Hydro	118	27	77	25	7	254
Nuclear	22	31	33	0	0	86
Gas, Naptha & Diesel	19	36	18	0	28	102
RES (Wind, Solar, Biomass & Others)	74	94	152	1	0	321
Total	777	1321	816	461	44	3419
Share of RES in total generation (%)	9.50	7.10	18.67	0.21	0.09	9.39
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.49	11.49	32.20	5.56	15.52	19.32

H. Diversity Factor

All India Demand Diversity Factor	1.036
-----------------------------------	-------

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 : 2-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	795	0.0	11.2	-11.2	
2		SASARAM-FATEHPUR	S/C	28	323	0.0	3.3	-3.3	
3		GAYA-BALIA	S/C	0	454	0.0	6.7	-6.7	
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	106	0.0	2.0	-2.0	
7		PUSAULI -ALLAHABAD	S/C	0	107	0.0	1.5	-1.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	726	0.0	7.6	-7.6	
9		PATNA-BALIA	Q/C	0	885	0.0	16.4	-16.4	
10		BIHARSHARIFF-BALIA	D/C	0	396	0.0	5.2	-5.2	
11		MOTIHARI-GORAKHPUR	D/C	0	376	0.0	6.5	-6.5	
12		BIHARSHARIFF-VARANASI	D/C	28	276	0.0	2.7	-2.7	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	160	0.0	2.5	-2.5
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	35	0	0.0	0.0	0.0
17	KARMANASA-CHANDAULI		S/C	0	0	0.0	0.0	0.0	
ER-NR						0.6	69.2	-68.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1082	0	17.2	0.0	17.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	345	362	0.7	0.0	0.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	90	235	0.0	1.5	-1.5	
21		RANCHI-SIPAT	D/C	168	69	1.6	0.0	1.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	91	0.0	1.2	-1.2	
23		BUDHIPADAR-KORBA	D/C	96	13	1.2	0.0	1.2	
ER-WR						20.6	2.6	18.0	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1920.0	0.0	35.6	-35.6	
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	1194.0	0.0	25.9	-25.9	
27	400 kV	TALCHER-I/C	D/C	298.0	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	
ER-SR						0.0	77.5	-77.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	264	17	4.0	0.0	4	
30		ALIPURDUAR-BONGAIGAON	D/C	401	0	7.1	0.0	7	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	64	36	0.9	0.0	1	
ER-NER						11.9	0.0	11.9	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	665	0	16.4	0.0	16.4	
NER-NR						16.4	0.0	16.4	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1355	0.0	32.3	-32.3	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1554	0.0	34.3	-34.3	
36		GWALIOR-AGRA	D/C	0	1067	0.0	36.9	-36.9	
37	765 kV	PHAGI-GWALIOR	D/C	0	1080	0.0	14.6	-14.6	
38		JABALPUR-ORAI	D/C	0	692	0.0	22.1	-22.1	
39		GWALIOR-ORAI	S/C	580	0	10.4	0.0	10.4	
40		SATNA-ORAI	S/C	0	1239	0.0	25.1	-25.1	
41		400 kV	ZERDA-KANKROLI	S/C	158	138	0.0	0.1	-0.1
42			ZERDA -BHINMAL	S/C	136	288	0.0	2.8	-2.8
43	V'CHAL -RIHAND		S/C	983	0	20.2	0.0	20.2	
44	RAPP-SHUJALPUR		D/C	304	160	1	0	1	
45	220 kV	BADOD-KOTA	S/C	69	16	0.6	0.1	0.6	
46		BADOD-MORAK	S/C	0	81	0.0	0.6	-0.6	
47		MEHGAON-AURAIYA	S/C	113	0	1.3	0.0	1.3	
48		MALANPUR-AURAIYA	S/C	54	26	0.4	0.0	0.3	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						39.7	168.8	-129.1	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	20.7	-20.7	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2275	0.0	35.7	-35.7	
53		WARDHA-NIZAMABAD	D/C	0	2138	0.0	34.6	-34.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	792	0	10.8	0.0	10.8	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	1	71	0.0	1.2	-1.2	
57		XELDEM-AMBEWADI	S/C	0	51	0.9	0.0	0.9	
WR-SR						11.7	92.2	-80.5	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						-0.8	
59		NEPAL						-6.2	
60		BANGLADESH						-13.2	