



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: 31st Jan 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, 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, 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 30.01.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-जनवरी-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 30th January 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

31-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	45377	47185	41557	18427	2408	154954
Peak Shortage (MW)	1084	0	0	0	56	1140
Energy Met (MU)	949	1086	908	368	42	3354
Hydro Gen (MU)	119	25	66	20	7	238
Wind Gen (MU)	11	23	46	-----	-----	80
Solar Gen (MU)*	18.64	23.4	76.07	1.11	0.04	119
Energy Shortage (MU)	13.3	0.2	0.0	0.0	0.9	14.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46746 18:31	53779 10:41	42273 07:39	18943 19:11	2427 18:22	158041 18:52

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	0.038	0.00	0.07	6.81	6.88	77.67	15.45

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	5615	0	112.8	32.3	-0.1	79	0.0	
	Haryana	6708	0	129.1	76.6	0.9	256	0.0	
	Rajasthan	12263	0	237.0	66.2	-0.2	191	0.0	
	Delhi	4295	0	72.7	58.2	-0.8	173	0.0	
	UP	13263	500	272.5	102.0	1.0	232	1.6	
	Uttarakhand	2156	0	40.2	27.0	0.5	199	0.0	
	HP	1682	0	31.5	25.4	0.9	146	0.0	
	J&K	2866	716	49.4	46.6	-2.5	499	11.7	
	Chandigarh	240	0	4.0	3.9	0.1	60	0.0	
	WR	Chhattisgarh	3456	0	76.1	34.2	-0.2	250	0.2
Gujarat		15018	0	321.8	94.6	1.8	460	0.0	
MP		12946	0	235.5	134.1	0.1	488	0.0	
Maharashtra		20314	0	405.3	103.8	0.8	730	0.0	
Goa		452	0	11.5	10.8	0.1	48	0.0	
DD		316	0	7.0	6.8	0.2	42	0.0	
DNH		787	0	18.1	18.1	0.0	42	0.0	
Essar steel		518	0	11.0	10.6	0.4	284	0.0	
SR		Andhra Pradesh	7168	0	151.5	55.2	-0.1	849	0.0
		Telangana	8115	0	162.6	55.7	-0.1	603	0.0
	Karnataka	11189	0	211.1	76.1	-0.5	481	0.0	
	Kerala	3664	0	70.9	55.2	0.8	218	0.0	
	Tamil Nadu	14063	0	304.7	148.0	-1.4	462	0.0	
	Pondy	365	0	7.2	7.4	-0.2	20	0.0	
	ER	Bihar	4157	0	74.7	68.0	1.1	460	0.0
DVC		3123	0	64.5	-46.2	-0.6	396	0.0	
Jharkhand		1059	0	24.3	17.6	0.2	169	0.0	
Odisha		3851	0	76.4	29.0	-0.9	267	0.0	
West Bengal		6950	0	126.8	23.7	1.7	309	0.0	
Sikkim		102	0	1.6	1.6	-0.1	18	0.0	
NER	Arunachal Pradesh	119	3	2.2	2.0	0.1	36	0.0	
	Assam	1386	32	23.7	18.1	1.1	114	0.8	
	Manipur	195	2	2.9	2.8	0.1	45	0.0	
	Meghalaya	350	0	5.9	5.0	-0.2	72	0.0	
	Mizoram	98	2	1.9	1.6	0.1	12	0.0	
	Nagaland	126	3	2.1	1.9	0.0	33	0.0	
	Tripura	226	0	3.7	3.6	0.5	69	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.2	-7.1	-15.3
Day peak (MW)	40.3	-319.0	-814.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	178.5	-207.6	107.6	-81.6	2.7	-0.3
Actual(MU)	178.8	-211.9	100.1	-74.8	3.4	-4.3
O/D/U/D(MU)	0.3	-4.3	-7.5	6.8	0.7	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3660	13616	7322	1720	130	26447
State Sector	10540	15429	7990	3955	50	37964
Total	14200	29045	15312	5675	179	64411

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	543	1164	480	449	9	2644
Lignite	20	16	44	0	0	80
Hydro	119	25	66	20	7	238
Nuclear	24	30	32	0	0	86
Gas, Naptha & Diesel	29	36	19	0	27	111
RES (Wind, Solar, Biomass & Others)	59	50	169	1	0	279
Total	793	1321	809	470	43	3437

Share of RES in total generation (%)	7.44	3.76	20.89	0.25	0.09	8.12
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.43	7.96	32.96	4.59	16.66	17.53

H. Diversity Factor

All India Demand Diversity Factor	1.039
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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 : 31-Jan-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	752	0.0	11.5	-11.5	
2		SASARAM-FATEHPUR	S/C	0	345	0.0	4.3	-4.3	
3		GAYA-BALIA	S/C	0	369	0.0	6.1	-6.1	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	400 kV	PUSAULI B/B	S/C	0	147	0.0	3.7	-3.7	
6		PUSAULI-VARANASI	S/C	0	102	0.0	1.8	-1.8	
7		PUSAULI -ALLAHABAD	S/C	0	103	0.0	1.7	-1.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	580	0.0	8.1	-8.1	
9		PATNA-BALIA	Q/C	0	950	0.0	17.8	-17.8	
10		BIHARSHARIFF-BALIA	D/C	0	356	0.0	5.3	-5.3	
11		MOTIHARI-GORAKHPUR	D/C	0	406	0.0	7.6	-7.6	
12		BIHARSHARIFF-VARANASI	D/C	22	278	0.0	3.4	-3.4	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	137	0.0	2.6	-2.6
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	36	0	0.6	0.0	0.6
17	KARMANASA-CHANDAULI		S/C	0	0	0.0	0.0	0.0	
ER-NR						1.2	73.8	-72.7	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1657	0	27.5	0.0	27.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	353	493	0.0	1.1	-1.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	257	185	1.3	0.0	1.3	
21		RANCHI-SIPAT	D/C	202	114	1.1	0.0	1.1	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	14	53	0.0	0.4	-0.4	
23		BUDHIPADAR-KORBA	D/C	102	2	1.4	0.0	1.4	
ER-WR						31.3	1.6	29.7	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1500.0	0.0	24.9	-24.9	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	672.0	0.0	16.0	-16.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1985.0	0.0	48.0	-48.0	
27	400 kV	TALCHER-I/C	D/C	0.0	539.0	0.0	7.1	-7.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	88.9	-88.9	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	278	0	4.7	0.0	5	
30		ALIPURDUAR-BONGAIGAON	D/C	389	0	7.0	0.0	7	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	85	0	1.3	0.0	1	
ER-NER						13.0	0.0	13.0	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	662	0	16.0	0.0	16.0	
NER-NR						16.0	0.0	16.0	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1356	0.0	32.4	-32.4	
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1082	0.0	26.7	-26.7	
36		GWALIOR-AGRA	D/C	0	1130	0.0	38.9	-38.9	
37	765 kV	PHAGI-GWALIOR	D/C	0	1177	0.0	17.3	-17.3	
38		JABALPUR-ORAI	D/C	0	698	0.0	23.9	-23.9	
39		GWALIOR-ORAI	S/C	605	0	10.8	0.0	10.8	
40		SATNA-ORAI	S/C	0	1212	0.0	25.1	-25.1	
41		400 kV	ZERDA-KANKROLI	S/C	167	147	0.3	0.0	0.3
42			ZERDA -BHINMAL	S/C	87	292	0.0	3.0	-3.0
43	V'CHAL -RIHAND		S/C	969	0	21.1	0.0	21.1	
44	RAPP-SHUJALPUR		D/C	224	163	0	0	0	
45	220 kV	BADOD-KOTA	S/C	69	15	0.7	0.0	0.7	
46		BADOD-MORAK	S/C	0	32	0.0	0.5	-0.5	
47		MEHGAON-AURAIYA	S/C	107	0	1.2	0.0	1.2	
48	132kV	MALANPUR-AURAIYA	S/C	48	30	0.3	0.1	0.2	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						40.6	167.9	-127.3	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	23.0	-23.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	152	1928	0.0	20.1	-20.1	
53		WARDHA-NIZAMABAD	D/C	0	1964	0.0	25.8	-25.8	
54	400 kV	KOLHAPUR-KUDGI	D/C	1024	0	14.9	0.0	14.9	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	0	70	0.0	1.2	-1.2	
57		XELDEM-AMBEWADI	S/C	0	50	0.8	0.0	0.8	
WR-SR						15.8	70.0	-54.3	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						0.2	
59		NEPAL						-7.1	
60		BANGLADESH						-15.3	