



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: 13thJan 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 12.01.2019.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-जनवरी-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 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

13-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	46465	48136	40903	17390	2414	155308
Peak Shortage (MW)	1559	0	0	109	39	1707
Energy Met (MU)	964	1123	922	355	44	3408
Hydro Gen (MU)	111	24	78	28	8	249
Wind Gen (MU)	11	22	41	-----	-----	74
Solar Gen (MU)*	12.53	19.78	67.79	0.86	0.04	101
Energy Shortage (MU)	16.1	0.0	0.0	0.3	0.6	17.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46402 18:14	55034 09:42	43726 09:30	18373 18:46	2477 17:53	159860 09:29

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	0.066	0.00	1.16	16.56	17.72	66.84	15.44

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	5705	0	112.8	30.7	-0.4	98	0.0
	Haryana	6684	0	130.2	70.2	0.1	134	0.0
	Rajasthan	11529	736	234.2	66.7	0.2	332	0.0
	Delhi	4104	0	67.7	52.0	-0.8	183	0.0
	UP	14246	60	291.9	122.5	1.2	282	3.3
	Uttarakhand	2118	0	39.4	24.4	-0.4	112	0.0
	HP	1637	0	29.9	24.6	0.2	225	0.0
	J&K	2728	682	54.2	45.9	3.2	501	12.8
WR	Chandigarh	218	0	3.6	3.8	-0.2	17	0.0
	Chhattisgarh	3724	0	79.3	33.6	-3.0	285	0.0
	Gujarat	15295	0	327.3	95.6	3.7	571	0.0
	MP	14025	0	259.0	140.1	-0.2	535	0.0
	Maharashtra	20478	0	412.5	113.2	0.5	644	0.0
	Goa	458	0	9.4	9.0	-0.1	38	0.0
	DD	307	0	7.0	6.8	0.1	28	0.0
	DNH	749	0	17.5	17.5	0.1	87	0.0
SR	Essar steel	517	0	10.7	10.8	-0.1	263	0.0
	Andhra Pradesh	8218	0	162.8	61.5	0.2	467	0.0
	Telangana	8813	0	179.3	68.6	1.0	501	0.0
	Karnataka	11554	0	215.2	77.0	-0.5	410	0.0
	Kerala	3464	0	67.0	53.8	0.2	138	0.0
	Tamil Nadu	13407	0	290.2	150.5	1.6	697	0.0
	Pondy	382	0	7.9	7.9	0.0	47	0.0
	ER	Bihar	4236	0	74.4	69.4	-0.2	460
DVC		3022	0	69.6	-35.7	-0.8	396	0.0
Jharkhand		992	109	24.6	18.4	0.9	169	0.3
Odisha		3880	0	71.2	22.9	0.1	267	0.0
West Bengal		6264	0	114.2	25.5	-0.9	309	0.0
Sikkim		91	0	1.4	1.9	-0.5	18	0.0
NER	Arunachal Pradesh	109	2	2.2	2.0	0.2	42	0.0
	Assam	1392	32	23.8	18.4	0.7	111	0.5
	Manipur	176	3	3.0	3.1	-0.1	18	0.0
	Meghalaya	345	0	6.4	5.1	-0.1	43	0.0
	Mizoram	108	1	1.9	1.6	0.3	13	0.0
	Nagaland	126	2	2.3	2.0	0.1	23	0.0
	Tripura	214	2	4.0	2.0	-0.1	35	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.2	-6.9	-12.5
Day peak (MW)	105.4	-323.0	-819.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	180.1	-185.1	92.4	-88.0	0.6	0.0
Actual(MU)	174.1	-186.3	93.0	-85.6	0.1	-4.8
O/D/U/D(MU)	-6.0	-1.2	0.6	2.4	-0.6	-4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2989	14411	6852	1370	156	25777
State Sector	9910	14456	10080	4215	50	38711
Total	12899	28867	16932	5585	206	64488

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	564	1179	501	446	9	2698
Lignite	27	17	55	0	0	99
Hydro	111	24	78	28	8	249
Nuclear	24	31	32	0	0	87
Gas, Naptha & Diesel	32	46	20	0	30	128
RES (Wind, Solar, Biomass & Others)	53	44	152	1	0	250
Total	811	1341	837	475	47	3511

Share of RES in total generation (%)	6.50	3.31	18.13	0.19	0.09	7.11
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	23.15	7.44	31.22	6.13	16.78	16.69

H. Diversity Factor

All India Demand Diversity Factor	1.038
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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 : 13-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	678	0.0	10.2	-10.2	
2		SASARAM-FATEHPUR	S/C	0	292	0.0	3.8	-3.8	
3		GAYA-BALIA	S/C	0	367	0.0	6.5	-6.5	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	HVDC	PUSAULI B/B	S/C	0	148	0.0	3.6	-3.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	132	0.0	2.2	-2.2	
7		PUSAULI -ALLAHABAD	S/C	0	8050	0.0	1.1	-1.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	819	0.0	10.2	-10.2	
9		PATNA-BALIA	Q/C	0	1056	0.0	19.8	-19.8	
10		BIHARSHARIFF-BALIA	D/C	0	372	0.0	6.1	-6.1	
11		MOTIHARI-GORAKHPUR	D/C	0	427	0.0	7.2	-7.2	
12		BIHARSHARIFF-VARANASI	D/C	1	285	0.0	3.0	-3.0	
13		220 kV	PUSAULI-SAHUPURI	S/C	2	176	0.0	2.2	-2.2
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	34	0	0.6	0.0	0.6	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						1.2	76.0	-74.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1115	0	15.7	0.0	15.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	200	381	0.0	1.5	-1.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	59	173	0.0	2.1	-2.1	
21		RANCHI-SIPAT	D/C	168	83	0.8	0.0	0.8	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	90	0.0	1.1	-1.1	
23		BUDHIPADAR-KORBA	D/C	82	9	1.1	0.0	1.1	
ER-WR						17.5	4.8	12.8	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1735.0	0.0	25.5	-25.5	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	684.0	0.0	16.0	-16.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1982.0	0.0	46.1	-46.1	
27	400 kV	TALCHER-I/C	D/C	212.0	151.0	0.0	1.2	-1.2	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	87.6	-87.6	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	347	0	6.1	0.0	6	
30		ALIPURDUAR-BONGAIGAON	D/C	453	0	8.5	0.0	8	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	75	7	1.1	0.0	1	
ER-NER						15.7	0.0	15.7	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	663	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	1002	0.0	17.5	-17.5	
34		V'CHAL B/B	D/C	240	53	3.8	0.4	3.4	
35		APL -MHG	D/C	0	1740	0.0	42.4	-42.4	
36		GWALIOR-AGRA	D/C	0	1191	0.0	37.5	-37.5	
37	765 kV	PHAGI-GWALIOR	D/C	0	1305	0.0	18.9	-18.9	
38		JABALPUR-ORAI	D/C	0	743	0.0	20.4	-20.4	
39		GWALIOR-ORAI	S/C	889	0	13.9	0.0	13.9	
40		SATNA-ORAI	S/C	0	1477	0.0	26.8	-26.8	
41		400 kV	ZERDA-KANKROLI	S/C	213	25	3.8	0.0	3.8
42			ZERDA -BHINMAL	S/C	217	145	0.6	0.0	0.6
43	V'CHAL -RIHAND		S/C	982	0	21.4	0.0	21.4	
44	RAPP-SHUJALPUR		D/C	353	124	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	35	38	0.8	0.0	0.8	
46		BADOD-MORAK	S/C	0	115	0.0	1.4	-1.4	
47		MEHGAON-AURAIYA	S/C	128	0	1.7	0.0	1.7	
48	132kV	MALANPUR-AURAIYA	S/C	78	29	0.7	0.1	0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						46.6	166.5	-119.9	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	982	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	463	2171	0.0	21.3	-21.3	
53		WARDHA-NIZAMABAD	D/C	0	2129	0.0	25.6	-25.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	1136	0	17.6	0.0	17.6	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	69	1.3	0.0	1.3	
WR-SR						18.9	68.8	-49.8	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.2	
59		NEPAL						-6.9	
60		BANGLADESH						-12.5	