



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: 14thJan 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 13.01.2019.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th 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

14-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43280	44986	38452	17079	2347	146144
Peak Shortage (MW)	678	0	0	20	18	716
Energy Met (MU)	929	1097	885	341	42	3294
Hydro Gen (MU)	108	20	62	21	7	218
Wind Gen (MU)	18	44	49	-----	-----	112
Solar Gen (MU)*	16.71	20.06	67.79	0.39	0.05	105
Energy Shortage (MU)	12.8	0.0	0.0	0.1	0.4	13.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45023 11:21	54793 10:30	41631 09:28	17403 18:09	2342 17:51	155443 11:23

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	0.042	0.00	0.19	5.41	5.59	69.63	24.78

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	5355	0	107.4	32.3	0.2	173	0.0	
	Haryana	5803	0	116.6	60.4	0.3	200	0.0	
	Rajasthan	12167	58	233.9	60.4	-2.7	318	0.0	
	Delhi	3975	0	65.4	49.5	-0.9	225	0.0	
	UP	13549	0	285.5	112.0	0.4	224	0.0	
	Uttarakhand	1984	0	35.6	21.4	-0.3	94	0.0	
	HP	1483	0	27.3	22.8	-0.5	57	0.0	
	J&K	2728	682	54.2	45.2	3.9	413	12.8	
	Chandigarh	200	0	3.2	3.5	-0.3	53	0.0	
	WR	Chhattisgarh	3769	0	81.8	33.9	-0.5	314	0.0
Gujarat		15264	0	315.6	81.0	1.7	577	0.0	
MP		13739	0	253.7	139.5	-1.3	806	0.0	
Maharashtra		19761	0	401.3	120.1	-1.4	619	0.0	
Goa		458	0	9.5	8.0	0.8	61	0.0	
DD		305	0	6.9	6.8	0.1	29	0.0	
DNH		737	0	17.3	17.3	0.0	29	0.0	
Essar steel		554	0	10.7	11.1	-0.4	251	0.0	
SR		Andhra Pradesh	8082	0	161.7	64.6	0.8	606	0.0
		Telangana	8913	0	178.7	73.7	0.7	507	0.0
	Karnataka	10790	0	201.9	69.3	0.4	634	0.0	
	Kerala	3131	0	60.3	51.6	0.0	141	0.0	
	Tamil Nadu	12786	0	275.1	137.1	1.4	530	0.0	
	Pondy	347	0	7.3	7.4	-0.1	52	0.0	
ER	Bihar	4173	0	75.7	70.7	-0.2	460	0.0	
	DVC	2860	0	66.2	-35.9	0.8	396	0.1	
	Jharkhand	1153	0	24.8	18.6	0.9	169	0.0	
	Odisha	3653	0	68.3	23.5	0.2	267	0.0	
	West Bengal	5829	0	104.1	19.4	-0.3	309	0.0	
	Sikkim	88	0	1.4	1.8	-0.4	18	0.0	
NER	Arunachal Pradesh	108	2	2.2	2.0	0.2	39	0.0	
	Assam	1347	11	23.4	17.7	1.2	113	0.3	
	Manipur	184	3	2.7	3.1	-0.4	28	0.0	
	Meghalaya	321	0	6.3	5.2	0.0	84	0.0	
	Mizoram	94	2	1.9	1.5	0.2	15	0.0	
	Nagaland	106	3	2.1	2.0	-0.1	11	0.0	
	Tripura	220	1	3.8	1.9	-0.3	46	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.2	-6.9	-14.0
Day peak (MW)	146.0	-308.0	-822.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	160.0	-180.0	104.7	-83.7	0.0	1.1
Actual(MU)	152.9	-178.2	105.4	-82.1	-0.7	-2.8
O/D/U/D(MU)	-7.2	1.8	0.7	1.5	-0.8	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3035	15571	7202	1370	156	27333
State Sector	9250	15580	9480	4215	50	38575
Total	12285	31151	16682	5585	206	65908

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	550	1125	459	418	9	2562
Lignite	22	15	57	0	0	94
Hydro	108	20	62	21	7	218
Nuclear	24	31	31	0	0	87
Gas, Naptha & Diesel	30	41	20	0	30	122
RES (Wind, Solar, Biomass & Others)	64	66	159	0	0	289
Total	799	1299	788	439	46	3371

Share of RES in total generation (%)	8.02	5.06	20.19	0.10	0.11	8.58
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	24.48	9.02	32.03	4.85	15.88	17.61

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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 : 14-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	777	0.0	9.8	-9.8	
2		SASARAM-FATEHPUR	S/C	29	311	0.0	3.6	-3.6	
3		GAYA-BALIA	S/C	0	387	0.0	6.0	-6.0	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	HVDC	PUSAULI B/B	S/C	0	148	0.0	3.7	-3.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	133	0.0	2.5	-2.5	
7		PUSAULI -ALLAHABAD	S/C	0	79	0.0	1.0	-1.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	696	0.0	9.3	-9.3	
9		PATNA-BALIA	Q/C	0	995	0.0	19.6	-19.6	
10		BIHARSHARIFF-BALIA	D/C	0	402	0.0	5.8	-5.8	
11		MOTIHARI-GORAKHPUR	D/C	0	380	0.0	7.1	-7.1	
12		BIHARSHARIFF-VARANASI	D/C	82	200	0.0	0.5	-0.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	156	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	0.7	0.0	0.7	
16		KARMANASA-SAHUPURI	S/C	37	0	0.6	0.0	0.6	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						1.2	71.7	-70.5	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1664	0	20.4	0.0	20.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	126	198	0.0	0.6	-0.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	70	160	0.0	1.8	-1.8	
21		RANCHI-SIPAT	D/C	156	115	0.8	0.0	0.8	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	3	76	0.0	1.1	-1.1	
23		BUDHIPADAR-KORBA	D/C	108	16	1.1	0.0	1.1	
ER-WR						22.3	3.4	18.9	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1787.0	0.0	26.8	-26.8	
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	1974.0	0.0	38.4	-38.4	
27	400 kV	TALCHER-I/C	D/C	70.0	397.0	0.0	6.8	-6.8	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	81.3	-81.3	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	375	0	6.7	0.0	7	
30		ALIPURDUAR-BONGAIGAON	D/C	475	0	8.2	0.0	8	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	75	0	1.1	0.0	1	
ER-NER						16.0	0.0	16.0	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	662	0	15.9	0.0	15.9	
NER-NR						15.9	0.0	15.9	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1001	0.0	12.3	-12.3	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1458	0.0	34.5	-34.5	
36		GWALIOR-AGRA	D/C	0	1167	0.0	38.3	-38.3	
37	765 kV	PHAGI-GWALIOR	D/C	0	1235	0.0	16.4	-16.4	
38		JABALPUR-ORAI	D/C	0	630	0.0	21.0	-21.0	
39		GWALIOR-ORAI	S/C	806	0	12.2	0.0	12.2	
40		SATNA-ORAI	S/C	0	1251	0.0	25.9	-25.9	
41		400 kV	ZERDA-KANKROLI	S/C	139	123	1.3	0.0	1.3
42			ZERDA -BHINMAL	S/C	97	252	0.0	1.5	-1.5
43	V'CHAL -RIHAND		S/C	975	0	20.7	0.0	20.7	
44	RAPP-SHUJALPUR		D/C	417	61	1	0	1	
45	220 kV	BADOD-KOTA	S/C	23	29	0.7	0.1	0.5	
46		BADOD-MORAK	S/C	0	168	0.0	1.2	-1.2	
47		MEHGAON-AURAIYA	S/C	122	0	1.7	0.0	1.7	
48	132kV	MALANPUR-AURAIYA	S/C	69	14	0.6	0.0	0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						44.5	151.2	-106.7	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	979	0.0	22.5	-22.5	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	326	2180	0.0	23.8	-23.8	
53		WARDHA-NIZAMABAD	D/C	0	2006	0.0	27.3	-27.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	1066	0	15.5	0.0	15.5	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	111	0	0.1	0.0	0.1	
57		XELDEM-AMBEWADI	S/C	0	61	1.1	0.0	1.1	
WR-SR						16.6	73.6	-57.0	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						2.2	
59		NEPAL						-6.9	
60		BANGLADESH						-14.0	