



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: 03rd Jan 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., डोंगतेिह, 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 02.01.2019.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-जनवरी-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 02nd 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

3-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	45781	47429	41507	17744	2427	154888
Peak Shortage (MW)	704	0	0	250	30	984
Energy Met (MU)	945	1092	896	345	42	3320
Hydro Gen (MU)	112	32	65	31	8	247
Wind Gen (MU)	7	19	55	-----	-----	81
Solar Gen (MU)*	19.55	20.09	74.82	0.84	0.04	115
Energy Shortage (MU)	16.7	0.0	0.0	0.8	0.3	17.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46338 18:02	53744 09:23	42764 07:58	18221 19:10	2474 19:23	157256 09:45

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	0.00	0.21	15.63	15.83	78.46	5.71

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	5597	0	108.0	30.0	-0.8	65	0.0	
	Haryana	6642	0	125.5	56.0	0.7	163	2.2	
	Rajasthan	12757	0	239.8	61.2	-0.7	524	0.0	
	Delhi	4183	0	69.0	51.5	-0.9	235	0.0	
	UP	13929	100	285.2	117.2	-0.3	416	3.7	
	Uttarakhand	2088	0	38.2	23.3	0.0	101	0.2	
	HP	1680	0	30.6	24.7	0.3	201	0.0	
	J&K	2250	563	44.8	45.7	-5.6	47	10.7	
WR	Chandigarh	238	0	3.8	3.4	0.4	57	0.0	
	Chhattisgarh	3447	0	75.4	19.3	-0.7	206	0.0	
	Gujarat	14672	0	315.8	87.1	2.8	566	0.0	
	MP	14054	0	258.8	153.7	-0.9	699	0.0	
	Maharashtra	20011	0	400.5	96.2	0.4	677	0.0	
	Goa	425	0	8.7	8.6	-0.4	46	0.0	
	DD	307	0	6.4	6.3	0.1	69	0.0	
	DNH	718	0	16.3	16.0	0.3	73	0.0	
SR	Essar steel	525	0	10.5	10.1	0.4	310	0.0	
	Andhra Pradesh	7800	0	159.9	56.2	0.0	496	0.0	
	Telangana	8887	0	183.1	95.0	1.1	492	0.0	
	Karnataka	10468	0	200.3	68.6	-0.5	480	0.0	
	Kerala	3423	0	65.9	57.0	0.2	156	0.0	
	Tamil Nadu	13812	0	279.2	138.3	-0.9	493	0.0	
	Pondy	376	0	7.2	7.5	-0.4	61	0.0	
	ER	Bihar	4261	0	76.2	70.9	1.9	460	0.0
DVC		3061	0	63.4	-36.7	-0.8	396	0.8	
Jharkhand		1153	0	25.2	17.9	0.6	169	0.0	
Odisha		3775	0	71.2	24.3	-0.7	267	0.0	
West Bengal		6231	0	107.2	20.9	0.2	309	0.0	
Sikkim		100	0	1.5	1.9	-0.4	18	0.0	
NER		Arunachal Pradesh	108	2	2.3	1.8	0.5	80	0.0
		Assam	1390	15	23.3	17.0	1.6	82	0.3
	Manipur	179	2	2.9	2.9	0.0	39	0.0	
	Meghalaya	355	0	6.7	6.2	-0.2	284	0.0	
	Mizoram	95	3	1.5	1.4	-0.4	-	0.0	
	Nagaland	125	2	2.1	2.0	-0.1	14	0.0	
	Tripura	220	1	3.4	1.4	0.1	48	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.9	-6.8	-14.4
Day peak (MW)	129.3	-311.0	-806.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	155.3	-198.9	118.4	-79.2	4.1	-0.3
Actual(MU)	158.3	-204.1	113.5	-72.2	3.8	-0.7
O/D/U/D(MU)	3.0	-5.2	-4.9	7.1	-0.3	-0.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5514	16006	7002	1895	356	30773
State Sector	8835	13909	10110	3925	50	36829
Total	14349	29915	17112	5820	406	67601

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	568	1161	452	425	5	2611
Lignite	23	17	54	0	0	94
Hydro	112	32	65	31	8	247
Nuclear	24	20	32	0	0	76
Gas, Naptha & Diesel	34	40	20	0	29	124
RES (Wind, Solar, Biomass & Others)	54	42	165	1	0	261
Total	815	1312	788	456	42	3413

Share of RES in total generation (%)	6.66	3.16	20.89	0.19	0.10	7.66
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	23.36	7.12	33.16	6.88	18.35	17.12

H. Diversity Factor

All India Demand Diversity Factor	1.040
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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 : 3-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	578	0.0	7.8	-7.8	
2		SASARAM-FATEHPUR	S/C	73	155	0.0	0.9	-0.9	
3		GAYA-BALIA	S/C	0	559	0.0	9.1	-9.1	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	400 kV	PUSAULI B/B	S/C	2	148	0.0	3.5	-3.5	
6		PUSAULI-VARANASI	S/C	0	163	0.0	2.8	-2.8	
7		PUSAULI -ALLAHABAD	S/C	61	60	0.0	0.5	-0.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	499	0.0	6.9	-6.9	
9		PATNA-BALIA	Q/C	0	1186	0.0	22.0	-22.0	
10		BIHARSHARIFF-BALIA	D/C	0	618	0.0	10.0	-10.0	
11		MOTIHARI-GORAKHPUR	D/C	0	293	0.0	5.6	-5.6	
12		BIHARSHARIFF-VARANASI	D/C	71	227	0.0	1.7	-1.7	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	132	0.0	2.4	-2.4
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	0	0	0.0	0.0	0.0
17	KARMANASA-CHANDAULI		S/C	0	0	0.0	0.0	0.0	
ER-NR						0.6	73.3	-72.7	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1306	0	22.5	0.0	22.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	478	103	5.9	0.0	5.9	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	105	82	0.8	0.0	0.8	
21		RANCHI-SIPAT	D/C	219	0	3.1	0.0	3.1	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	92	0.0	1.5	-1.5	
23		BUDHIPADAR-KORBA	D/C	148	0	2.3	0.0	2.3	
ER-WR						34.5	1.5	33.1	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1678.0	0.0	25.3	-25.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	687.0	0.0	16.0	-16.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1976.0	0.0	43.8	-43.8	
27	400 kV	TALCHER-I/C	D/C	0.0	793.0	0.0	2.3	-2.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	85.1	-85.1	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	183	68	2.3	0.0	2	
30		ALIPURDUAR-BONGAIGAON	D/C	292	0	4.4	0.0	4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	39	24	0.4	0.0	0	
ER-NER						7.1	0.0	7.1	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	476	0	11.6	0.0	11.6	
NER-NR						11.6	0.0	11.6	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	606	0.0	14.0	-14.0	
34		V'CHAL B/B	D/C	241	3	3.3	0.0	3.3	
35		APL -MHG	D/C	0	1176	0.0	25.7	-25.7	
36		GWALIOR-AGRA	D/C	0	1089	0.0	39.8	-39.8	
37	765 kV	PHAGI-GWALIOR	D/C	45	643	0.0	8.5	-8.5	
38		JABALPUR-ORAI	D/C	0	653	0.0	21.8	-21.8	
39		GWALIOR-ORAI	S/C	569	0	9.6	0.0	9.6	
40		SATNA-ORAI	S/C	0	1216	0.0	25.9	-25.9	
41		400 kV	ZERDA-KANKROLI	S/C	146	165	0.8	0.0	0.8
42			ZERDA -BHINMAL	S/C	43	347	0.0	2.6	-2.6
43	V'CHAL -RIHAND		S/C	989	0	21.4	0.0	21.4	
44	RAPP-SHUJALPUR		D/C	387	0	3	0	3	
45	220 kV	BADOD-KOTA	S/C	27	51	0.8	0.0	0.8	
46		BADOD-MORAK	S/C	0	139	0.0	1.6	-1.6	
47		MEHGAON-AURAIYA	S/C	106	0	1.3	0.0	1.3	
48		MALANPUR-AURAIYA	S/C	54	20	0.4	0.0	0.3	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						40.0	140.0	-100.0	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	21.1	-21.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	282	2319	0.0	29.5	-29.5	
53		WARDHA-NIZAMABAD	D/C	0	2102	0.0	33.0	-33.0	
54	400 kV	KOLHAPUR-KUDGI	D/C	986	0	11.4	0.0	11.4	
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	66	1.2	0.0	1.2	
WR-SR						12.6	83.6	-71.0	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						0.9	
59		NEPAL						-6.8	
60		BANGLADESH						-14.4	