



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: 05thJan 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 04.01.2019.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 04th 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

5-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46268	47440	41363	17169	2439	154679
Peak Shortage (MW)	1371	0	0	342	35	1748
Energy Met (MU)	966	1118	921	359	42	3407
Hydro Gen (MU)	110	29	71	25	8	242
Wind Gen (MU)	9	17	64	-----	-----	90
Solar Gen (MU)*	12.46	18.91	75.84	0.64	0.04	108
Energy Shortage (MU)	19.8	0.1	0.0	1.0	0.2	21.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46849 18:31	54622 09:42	43721 07:38	18126 19:08	2428 17:58	160844 09:36

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	0.085	0.63	3.65	17.96	22.23	65.72	12.05

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	5795	0	113.6	27.5	-0.2	99	0.0	
	Haryana	6945	0	126.5	58.3	0.1	135	0.1	
	Rajasthan	12268	21	236.5	61.7	0.3	405	0.0	
	Delhi	4413	0	73.9	55.8	2.1	386	0.0	
	UP	13479	860	290.7	118.5	0.4	447	6.7	
	Uttarakhand	2132	0	39.7	23.2	1.3	179	0.7	
	HP	1682	0	30.5	23.4	1.7	435	0.2	
	J&K	2461	615	50.9	43.6	2.4	366	12.0	
WR	Chandigarh	229	0	3.8	3.6	0.2	74	0.0	
	Chhattisgarh	3609	0	78.9	19.7	-0.5	481	0.1	
	Gujarat	15170	0	326.3	87.8	3.2	567	0.0	
	MP	14114	0	259.8	150.3	-1.8	546	0.0	
	Maharashtra	20399	0	411.5	105.4	-1.4	460	0.0	
	Goa	451	0	8.8	8.8	-0.6	46	0.0	
	DD	319	0	7.1	6.9	0.2	81	0.0	
	DNH	720	0	17.0	16.9	0.1	72	0.0	
SR	Essar steel	450	0	9.0	9.2	-0.2	197	0.0	
	Andhra Pradesh	8197	0	165.9	64.5	-0.1	884	0.0	
	Telangana	9157	0	186.0	74.7	-0.8	587	0.0	
	Karnataka	11022	0	208.5	72.9	-0.2	785	0.0	
	Kerala	3428	0	63.4	53.1	0.4	187	0.0	
	Tamil Nadu	13887	0	289.4	136.2	-0.3	602	0.0	
	Pondy	371	0	7.5	7.8	-0.3	37	0.0	
	ER	Bihar	4339	50	77.7	71.2	1.2	460	0.2
DVC		3039	0	64.5	-32.7	0.0	396	0.0	
Jharkhand		1000	292	21.4	19.2	0.5	169	0.9	
Odisha		3986	0	81.5	26.3	-0.2	267	0.0	
West Bengal		6304	0	112.8	24.8	1.1	309	0.0	
Sikkim		98	0	1.5	1.8	-0.3	18	0.0	
NER		Arunachal Pradesh	101	3	2.1	1.7	0.3	32	0.0
		Assam	1405	26	23.0	17.3	1.1	86	0.2
	Manipur	192	4	2.7	3.0	-0.3	46	0.0	
	Meghalaya	372	0	6.9	5.9	-0.2	32	0.0	
	Mizoram	104	2	1.9	1.2	0.3	15	0.0	
	Nagaland	113	2	2.2	2.0	0.1	27	0.0	
	Tripura	226	1	3.8	1.4	0.3	51	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.6	-6.9	-11.7
Day peak (MW)	113.2	-320.0	-774.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	179.5	-214.3	98.0	-67.3	3.8	-0.2
Actual(MU)	187.0	-215.4	89.2	-66.0	4.0	-1.1
O/D/U/D(MU)	7.5	-1.1	-8.8	1.3	0.2	-0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6014	15406	6802	2090	356	30668
State Sector	10050	12999	9730	4635	50	37464
Total	16064	28405	16532	6725	406	68131

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	560	1199	478	421	5	2663
Lignite	21	19	56	0	0	96
Hydro	110	29	71	25	8	242
Nuclear	24	31	32	0	0	87
Gas, Naptha & Diesel	33	48	20	0	29	130
RES (Wind, Solar, Biomass & Others)	50	38	177	1	0	267
Total	798	1363	834	447	42	3484

Share of RES in total generation (%)	6.32	2.81	21.22	0.15	0.10	7.65
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	23.17	7.21	33.51	5.66	18.65	17.10

H. Diversity Factor

All India Demand Diversity Factor	1.030
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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 : 5-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	786	0.0	10.6	-10.6
2		SASARAM-FATEHPUR	S/C	81	170	0.0	0.6	-0.6
3		GAYA-BALIA	S/C	0	558	0.0	10.6	-10.6
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	0	149	0.0	3.7	-3.7
6		PUSAULI-VARANASI	S/C	0	123	0.0	2.2	-2.2
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	97	0.0	1.3	-1.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	664	0.0	7.1	-7.1
9		PATNA-BALIA	Q/C	0	1251	0.0	26.1	-26.1
10		BIHARSHARIFF-BALIA	D/C	0	451	0.0	6.9	-6.9
11		MOTIHARI-GORAKHPUR	D/C	0	346	0.0	6.6	-6.6
12		BIHARSHARIFF-VARANASI	D/C	85	184	0.0	0.8	-0.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	137	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	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	78.9	-78.4
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1371	0	20.0	0.0	20.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	681	0	9.6	0.0	9.6
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	151	48	1.6	0.0	1.6
21		RANCHI-SIPAT	D/C	307	0	4.3	0.0	4.3
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	126	0.0	1.9	-1.9
23		BUDHIPADAR-KORBA	D/C	151	0	2.3	0.0	2.3
ER-WR						37.8	1.9	35.8
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1192.0	0.0	16.8	-16.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1975.0	0.0	44.9	-44.9
27	400 kV	TALCHER-I/C	D/C	0.0	726.0	0.0	0.9	-0.9
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	77.7	-77.7
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	171	39	2.2	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	270	0	4.4	0.0	4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	60	32	0.3	0.0	0
ER-NER						6.9	0.0	6.9
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	471	0	11.3	0.0	11.3
NER-NR						11.3	0.0	11.3
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	602	0.0	14.2	-14.2
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0
35	765 kV	APL -MHG	D/C	0	1174	0.0	24.8	-24.8
36		GWALIOR-AGRA	D/C	0	1281	0.0	48.9	-48.9
37		PHAGI-GWALIOR	D/C	0	1055	0.0	15.4	-15.4
38		JABALPUR-ORAI	D/C	0	864	0.0	30.0	-30.0
39		GWALIOR-ORAI	S/C	598	0	9.9	0.0	9.9
40		SATNA-ORAI	S/C	0	1382	0.0	29.0	-29.0
41	400 kV	ZERDA-KANKROLI	S/C	153	211	0.0	0.8	-0.8
42		ZERDA -BHINMAL	S/C	73	358	0.0	4.3	-4.3
43		V'CHAL -RIHAND	S/C	983	0	22.2	0.0	22.2
44		RAPP-SHUJALPUR	D/C	273	195	0	0	0
45	220 kV	BADOD-KOTA	S/C	14	73	0.5	0.1	0.4
46		BADOD-MORAK	S/C	0	151	0.0	1.8	-1.8
47		MEHGAON-AURAIYA	S/C	82	12	1.0	0.0	1.0
48	132kV	MALANPUR-AURAIYA	S/C	29	42	0.1	0.2	0.0
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						40.2	169.3	-129.1
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	20.1	-20.1
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	652	2169	0.0	22.0	-22.0
53		WARDHA-NIZAMABAD	D/C	0	2008	0.0	27.3	-27.3
54	400 kV	KOLHAPUR-KUDGI	D/C	996	0	13.4	0.0	13.4
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	65	1.1	0.0	1.1
WR-SR						14.5	69.3	-54.8
TRANSNATIONAL EXCHANGE								
58		BHUTAN						1.6
59		NEPAL						-6.9
60		BANGLADESH						-11.7