



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: 02nd 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. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, 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 01.01.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-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 01st 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

2-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	45737	45720	38540	17423	2314	149734
Peak Shortage (MW)	609	0	0	167	11	787
Energy Met (MU)	959	1073	878	346	42	3298
Hydro Gen (MU)	117	33	62	22	7	241
Wind Gen (MU)	11	23	50	-----	-----	83
Solar Gen (MU)*	21.50	19.78	73.77	1.19	0.02	116
Energy Shortage (MU)	13.8	0.3	0.0	0.5	0.2	14.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46332 09:54	53704 10:38	42567 09:22	17716 18:47	2325 17:59	158835 09:54

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	0.059	0.06	2.65	7.27	9.98	71.71	18.31

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	5508	0	109.2	27.5	-0.6	66	0.0	
	Haryana	6444	0	123.4	54.8	1.2	248	0.0	
	Rajasthan	12538	435	238.3	65.0	2.1	572	0.0	
	Delhi	4336	0	69.6	52.3	-0.4	182	0.0	
	UP	14437	0	295.0	107.7	0.0	210	1.5	
	Uttarakhand	2111	0	37.4	22.3	0.4	172	0.0	
	HP	1630	0	30.4	24.7	0.1	341	0.0	
	J&K	2486	621	51.6	45.2	1.4	359	12.3	
	Chandigarh	240	0	3.8	3.5	0.3	67	0.0	
	WR	Chhattisgarh	3403	0	75.9	24.1	-0.1	232	0.3
Gujarat		14710	0	312.4	88.0	1.9	624	0.0	
MP		14002	0	257.8	145.6	-0.1	545	0.0	
Maharashtra		19364	0	385.7	91.1	0.1	496	0.0	
Goa		462	0	9.0	8.8	-0.4	21	0.0	
DD		257	0	5.8	5.8	-0.1	54	0.0	
DNH		669	0	15.6	15.7	-0.1	33	0.0	
Essar steel		535	0	10.9	10.2	0.7	302	0.0	
SR		Andhra Pradesh	7915	0	155.6	56.1	-1.3	486	0.0
		Telangana	8776	0	178.6	86.1	0.4	412	0.0
	Karnataka	10675	0	199.3	67.2	-1.1	459	0.0	
	Kerala	3501	0	68.1	59.8	0.1	194	0.0	
	Tamil Nadu	13140	0	270.0	128.8	-0.4	490	0.0	
	Pondy	339	0	6.8	7.1	-0.3	27	0.0	
	ER	Bihar	4139	0	77.6	71.9	0.4	460	0.0
DVC		3101	0	66.4	-26.7	0.3	396	0.0	
Jharkhand		1091	67	25.2	18.9	0.9	169	0.2	
Odisha		3832	0	70.5	24.7	0.4	267	0.3	
West Bengal		5863	0	104.7	21.9	-0.4	309	0.0	
Sikkim		91	0	1.3	1.8	-0.5	18	0.0	
NER	Arunachal Pradesh	121	0	2.3	1.8	0.5	65	0.0	
	Assam	1321	0	23.2	17.3	1.6	124	0.2	
	Manipur	197	0	2.7	3.0	-0.2	24	0.0	
	Meghalaya	325	0	6.6	6.3	-0.1	40	0.0	
	Mizoram	88	0	1.6	1.4	-0.3	7	0.0	
	Nagaland	119	0	2.1	2.0	-0.1	18	0.0	
	Tripura	224	0	3.5	1.3	0.2	59	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.4	-6.8	-14.4
Day peak (MW)	159.3	-309.0	-798.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	155.0	-195.9	109.3	-73.1	4.4	-0.3
Actual(MU)	156.8	-199.5	102.9	-65.4	4.4	-0.7
O/D/U/D(MU)	1.9	-3.6	-6.4	7.7	0.0	-0.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4624	16846	7462	1370	356	30658
State Sector	9335	13504	9710	4815	50	37414
Total	13959	30350	17172	6185	406	68071

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	563	1128	462	424	4	2581
Lignite	23	20	48	0	0	90
Hydro	117	33	62	22	7	241
Nuclear	24	19	32	0	0	75
Gas, Naptha & Diesel	32	40	21	0	29	122
RES (Wind, Solar, Biomass & Others)	60	45	159	1	0	266
Total	819	1286	783	447	41	3376

Share of RES in total generation (%)	7.38	3.51	20.34	0.28	0.05	7.89
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	24.65	7.58	32.27	5.28	17.24	17.26

H. Diversity Factor

All India Demand Diversity Factor	1.024
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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 : 2-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	611	0.0	8.6	-8.6	
2		SASARAM-FATEHPUR	S/C	10	195	0.0	2.1	-2.1	
3		GAYA-BALIA	S/C	0	355	0.0	5.8	-5.8	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	400 kV	PUSAULI B/B	S/C	0	148	0.0	3.4	-3.4	
6		PUSAULI-VARANASI	S/C	0	117	0.0	2.2	-2.2	
7		PUSAULI -ALLAHABAD	S/C	0	83	0.0	1.3	-1.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	459	0.0	7.3	-7.3	
9		PATNA-BALIA	Q/C	0	983	0.0	17.8	-17.8	
10		BIHARSHARIFF-BALIA	D/C	0	372	0.0	5.2	-5.2	
11		MOTIHARI-GORAKHPUR	D/C	0	355	0.0	7.1	-7.1	
12		BIHARSHARIFF-VARANASI	D/C	41	169	0.0	2.0	-2.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	147	0.0	2.5	-2.5	
14		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	132 kV	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	0.7	65.3	-64.7
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1250	0	20.8	0.0	20.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	418	70	4.1	0.0	4.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	77	114	0.0	0.9	-0.9	
21		RANCHI-SIPAT	D/C	207	0	1.9	0.0	1.9	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	86	0.0	1.2	-1.2	
23		BUDHIPADAR-KORBA	D/C	146	0	2.1	0.0	2.1	
						ER-WR	28.9	2.0	26.8
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1393.0	0.0	23.0	-23.0	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	786.0	0.0	16.0	-16.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	40.4	-40.4	
27	400 kV	TALCHER-I/C	D/C	0.0	684.0	1.0	0.0	1.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	79.4	-79.4
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	194	39	2.2	0.0	2	
30		ALIPURDUAR-BONGAIGAON	D/C	303	0	4.3	0.0	4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	50	31	0.3	0.0	0	
						ER-NER	6.8	0.0	6.8
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	474	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	604	0.0	14.1	-14.1	
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1174	0.0	23.2	-23.2	
36		GWALIOR-AGRA	D/C	0	1087	0.0	40.6	-40.6	
37	765 kV	PHAGI-GWALIOR	D/C	0	1234	0.0	15.8	-15.8	
38		JABALPUR-ORAI	D/C	0	768	0.0	25.7	-25.7	
39		GWALIOR-ORAI	S/C	661	0	11.2	0.0	11.2	
40		SATNA-ORAI	S/C	0	1297	0.0	26.0	-26.0	
41		400 kV	ZERDA-KANKROLI	S/C	126	200	0.0	0.0	0.0
42			ZERDA -BHINMAL	S/C	14	369	0.0	3.3	-3.3
43	V'CHAL -RIHAND		S/C	979	0	21.3	0.0	21.3	
44	RAPP-SHUJALPUR		D/C	292	62	2	0	2	
45	220 kV	BADOD-KOTA	S/C	9	58	0.5	0.1	0.4	
46		BADOD-MORAK	S/C	0	157	0.0	1.8	-1.8	
47		MEHGAON-AURAIYA	S/C	95	0	1.4	0.0	1.4	
48		MALANPUR-AURAIYA	S/C	45	17	0.4	0.0	0.4	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	42.5	150.8	-108.3
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	22.9	-22.9	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	376	1814	0.0	25.4	-25.4	
53		WARDHA-NIZAMABAD	D/C	0	1943	0.0	25.5	-25.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	1065	0	9.5	0.0	9.5	
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	64	1.2	0.0	1.2	
						WR-SR	10.7	73.8	-63.1
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.4	
59		NEPAL						-6.8	
60		BANGLADESH						-14.4	