



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: 27th 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, लापालंग, 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 26.01.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-जनवरी-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 26th 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

27-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	39341	40755	38501	17337	2313	138247
Peak Shortage (MW)	731	0	0	0	9	740
Energy Met (MU)	835	970	883	357	41	3087
Hydro Gen (MU)	112	19	66	25	8	230
Wind Gen (MU)	11	84	19	-----	-----	114
Solar Gen (MU)*	22.51	20	47.22	0.53	0.04	90
Energy Shortage (MU)	12.1	0.0	0.0	0.0	0.1	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41007 08:26	46589 09:45	41362 09:41	17990 19:02	2382 17:58	145665 09:42

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	0.054	0.00	0.87	5.83	6.70	64.26	29.04

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	5113	0	95.3	32.3	0.0	91	0.0	
	Haryana	5737	0	107.2	63.9	1.5	262	0.0	
	Rajasthan	11432	0	221.5	59.6	-1.8	309	0.0	
	Delhi	3474	0	58.6	43.2	-1.1	159	0.0	
	UP	12551	0	239.0	90.9	0.1	452	0.0	
	Uttarakhand	1806	0	33.4	19.9	-0.4	102	0.0	
	HP	1368	22	25.5	21.3	-1.1	97	0.5	
	J&K	2575	644	51.6	46.4	-0.3	430	11.5	
WR	Chandigarh	205	0	3.3	3.6	-0.4	23	0.0	
	Chhattisgarh	3095	0	64.5	17.6	-1.6	366	0.0	
	Gujarat	14172	0	297.7	69.2	-1.4	677	0.0	
	MP	11449	0	214.8	108.7	-2.4	687	0.0	
	Maharashtra	16719	0	351.6	90.8	-0.7	504	0.0	
	Goa	532	0	11.5	9.2	1.7	45	0.0	
	DD	289	0	4.9	4.7	0.2	29	0.0	
	DNH	738	0	14.9	14.9	0.0	44	0.0	
SR	Essar steel	529	0	10.2	9.6	0.6	311	0.0	
	Andhra Pradesh	8180	0	168.6	71.5	1.2	485	0.0	
	Telangana	7797	0	157.7	79.0	-0.2	423	0.0	
	Karnataka	10584	0	202.8	83.4	0.0	486	0.0	
	Kerala	3295	0	64.6	52.7	0.8	165	0.0	
	Tamil Nadu	12940	0	283.2	152.5	-0.1	495	0.0	
	Pondy	317	0	6.4	6.9	-0.6	30	0.0	
	ER	Bihar	3888	0	69.0	65.3	-0.3	460	0.0
DVC		3031	0	65.0	-40.7	0.0	396	0.0	
Jharkhand		1129	0	23.5	21.7	0.2	169	0.0	
Odisha		3977	0	84.1	33.4	1.1	267	0.0	
West Bengal		6039	0	114.8	21.2	0.8	309	0.0	
Sikkim		89	0	1.2	1.6	-0.5	18	0.0	
NER		Arunachal Pradesh	112	2	2.2	2.0	0.2	38	0.0
		Assam	1289	10	22.6	17.0	1.2	110	0.0
	Manipur	198	2	2.6	2.9	-0.4	21	0.0	
	Meghalaya	363	0	6.3	5.2	0.0	41	0.0	
	Mizoram	101	1	2.0	1.7	0.0	15	0.0	
	Nagaland	118	2	2.2	2.0	0.0	56	0.0	
	Tripura	215	1	3.4	3.8	0.0	35	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-0.1	-6.7	-13.7
Day peak (MW)	69.5	-310.0	-829.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	147.0	-223.8	138.7	-65.1	3.4	0.1
Actual(MU)	137.5	-226.5	142.4	-60.3	3.4	-3.5
O/D/U/D(MU)	-9.5	-2.7	3.7	4.8	0.1	-3.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3150	14826	6912	1920	324	27131
State Sector	10890	16846	9040	4375	50	41201
Total	14040	31672	15952	6295	373	68332

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	470	1013	474	416	7	2380
Lignite	18	15	53	0	0	85
Hydro	112	19	66	25	8	230
Nuclear	24	28	32	0	0	84
Gas, Naptha & Diesel	30	33	19	0	27	110
RES (Wind, Solar, Biomass & Others)	62	105	103	1	0	271
Total	717	1214	746	441	42	3160

Share of RES in total generation (%)	8.66	8.69	13.76	0.12	0.10	8.57
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.67	12.57	26.85	5.77	18.57	18.50

H. Diversity Factor

All India Demand Diversity Factor	1.025
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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 : 27-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	556	0.0	7.3	-7.3
2		SASARAM-FATEHPUR	S/C	10	230	0.0	2.4	-2.4
3		GAYA-BALIA	S/C	0	273	0.0	3.5	-3.5
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	0	148	0.0	3.8	-3.8
6	400 kV	PUSAULI-VARANASI	S/C	0	122	0.0	2.3	-2.3
7		PUSAULI -ALLAHABAD	S/C	0	83	0.0	1.2	-1.2
8		MUZAFFARPUR-GORAKHPUR	D/C	121	534	0.0	5.8	-5.8
9		PATNA-BALIA	Q/C	0	770	0.0	15.3	-15.3
10		BIHARSHARIFF-BALIA	D/C	0	266	0.0	2.8	-2.8
11		MOTIHARI-GORAKHPUR	D/C	0	421	0.0	7.5	-7.5
12		BIHARSHARIFF-VARANASI	D/C	138	117	0.0	0.4	-0.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	127	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	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	32	0	0.5	0.0	0.5
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						1.0	54.7	-53.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1760	0	28.7	0.0	28.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	372	484	0.0	0.5	-0.5
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	341	0	3.4	0.0	3.4
21		RANCHI-SIPAT	D/C	199	85	1.3	0.0	1.3
22	220 kV	BUDHIPADAR-RAIGARH	S/C	23	36	0.0	0.1	-0.1
23		BUDHIPADAR-KORBA	D/C	142	0	2.2	0.0	2.2
ER-WR						35.7	0.6	35.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1957.0	0.0	31.6	-31.6
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	45.9	-45.9
27	400 kV	TALCHER-I/C	D/C	0.0	468.0	0.0	10.4	-10.4
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	93.6	-93.6
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	244	0	4.4	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	361	0	6.8	0.0	7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	59	9	0.8	0.0	1
ER-NER						12.0	0.0	12.0
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	667	0	16.4	0.0	16.4
NER-NR						16.4	0.0	16.4
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	953	0.0	22.6	-22.6
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1553	0.0	31.2	-31.2
36		GWALIOR-AGRA	D/C	0	1034	0.0	33.3	-33.3
37	765 kV	PHAGI-GWALIOR	D/C	0	919	0.0	10.9	-10.9
38		JABALPUR-ORAI	D/C	0	585	0.0	14.9	-14.9
39		GWALIOR-ORAI	S/C	480	0	8.9	0.0	8.9
40		SATNA-ORAI	S/C	0	1312	0.0	24.3	-24.3
41	400 kV	ZERDA-KANKROLI	S/C	185	98	1.3	0.0	1.3
42		ZERDA -BHINMAL	S/C	63	228	0.0	2.2	-2.2
43		V'CHAL -RIHAND	S/C	958	0	17.5	0.0	17.5
44		RAPP-SHUJALPUR	D/C	194	151	1	0	1
45	220 kV	BADOD-KOTA	S/C	49	21	0.3	0.2	0.1
46		BADOD-MORAK	S/C	0	119	0.0	1.1	-1.1
47		MEHGAON-AURAIYA	S/C	87	0	1.2	0.0	1.2
48		MALANPUR-AURAIYA	S/C	42	21	0.4	0.0	0.3
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						36.2	140.6	-104.5
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.8	-23.8
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2281	0.0	37.3	-37.3
53		WARDHA-NIZAMABAD	D/C	0	2097	0.0	34.0	-34.0
54	400 kV	KOLHAPUR-KUDGI	D/C	757	0	8.4	0.0	8.4
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	1	65	0.0	1.0	-1.0
57		XELDEM-AMBEWADI	S/C	0	46	0.8	0.0	0.8
WR-SR						9.2	96.1	-87.0
TRANSNATIONAL EXCHANGE								
58		BHUTAN						-0.1
59		NEPAL						-6.7
60		BANGLADESH						-13.7