



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: 23rd 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 22.01.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-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 22nd 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

23-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42720	47808	40841	18556	2431	152356
Peak Shortage (MW)	1205	124	-231	238	24	1360
Energy Met (MU)	799	1114	920	374	42	3248
Hydro Gen (MU)	120	27	79	28	7	261
Wind Gen (MU)	3	33	21	-----	-----	57
Solar Gen (MU)*	13.48	20.1	74.59	0.75	0.05	109
Energy Shortage (MU)	11.3	1.5	0.0	0.7	0.4	13.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43690 18:58	54711 10:22	42848 07:54	19187 18:50	2532 17:45	155237 18:58

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	0.062	0.23	1.20	10.45	11.89	64.61	23.51

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	4985	0	92.4	26.7	-0.1	90	0.0
	Haryana	6037	275	97.9	53.9	0.3	324	1.6
	Rajasthan	11404	0	208.1	69.1	-4.3	479	0.0
	Delhi	3851	0	67.7	52.6	-1.5	202	0.0
	UP	12148	650	231.2	88.7	0.5	507	0.0
	Uttarakhand	1719	0	28.6	21.3	-1.8	256	0.1
	HP	1483	0	27.7	23.2	-1.3	64	0.0
WR	J&K	2340	570	41.1	40.6	-6.6	149	9.5
	Chandigarh	221	0	3.8	3.7	0.1	44	0.0
	Chhattisgarh	3690	0	79.9	38.5	0.7	424	1.5
	Gujarat	15252	0	329.3	92.1	2.4	548	0.0
	MP	12997	0	238.3	126.5	-1.5	732	0.0
	Maharashtra	20612	0	417.1	128.2	1.2	552	0.0
	Goa	498	0	12.0	10.9	0.4	81	0.0
	DD	317	0	7.0	6.8	0.2	34	0.0
	DNH	783	0	18.1	18.0	0.1	38	0.0
	Essar steel	568	0	12.0	13.0	-1.0	258	0.0
SR	Andhra Pradesh	8210	0	166.6	63.5	0.4	610	0.0
	Telangana	9134	0	184.4	72.4	0.8	617	0.0
	Karnataka	11540	0	216.2	84.2	0.5	723	0.0
	Kerala	3378	0	63.9	47.1	0.8	306	0.0
	Tamil Nadu	13867	0	281.6	145.5	-0.5	493	0.0
	Pondy	369	0	7.0	7.3	-0.3	63	0.0
ER	Bihar	4226	0	75.8	69.7	0.8	460	0.0
	DVC	3143	0	66.1	-45.9	1.4	396	0.3
	Jharkhand	1122	152	24.5	17.2	0.6	169	0.5
	Odisha	4387	0	81.9	29.7	1.8	267	0.0
	West Bengal	6658	0	124.5	22.1	1.6	309	0.0
NER	Sikkim	95	0	1.7	1.9	-0.3	18	0.0
	Arunachal Pradesh	112	2	2.1	2.0	0.1	35	0.0
	Assam	1398	11	23.5	18.0	1.7	124	0.3
	Manipur	174	2	2.6	3.0	-0.4	25	0.0
	Meghalaya	377	0	6.2	5.5	-0.2	44	0.0
	Mizoram	96	3	1.9	1.7	0.0	12	0.0
	Nagaland	126	1	2.1	2.0	-0.1	51	0.0
	Tripura	282	0	3.8	3.8	0.2	47	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.4	-7.1	-14.2
Day peak (MW)	186.9	-310.0	-820.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	140.4	-171.8	100.0	-68.0	0.2	0.7
Actual(MU)	119.9	-168.1	101.4	-56.9	0.6	-3.1
O/D/U/D(MU)	-20.5	3.7	1.4	11.1	0.4	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2870	13946	6602	2245	207	25869
State Sector	11480	16169	9130	5365	50	42194
Total	14350	30115	15732	7610	256	68063

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	467	1144	501	417	10	2539
Lignite	18	17	54	0	0	89
Hydro	120	27	79	28	7	261
Nuclear	24	28	32	0	0	83
Gas, Naptha & Diesel	27	43	18	0	28	116
RES (Wind, Solar, Biomass & Others)	46	54	138	1	0	238
Total	702	1312	822	445	45	3326

Share of RES in total generation (%)	6.50	4.09	16.78	0.18	0.11	7.16
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.06	8.23	30.19	6.42	16.50	17.50

H. Diversity Factor

All India Demand Diversity Factor	1.050
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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 : 23-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	118	411	0.0	7.0	-7.0	
2		SASARAM-FATEHPUR	S/C	103	273	0.0	2.2	-2.2	
3		GAYA-BALIA	S/C	0	103	0.0	3.7	-3.7	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	400 kV	PUSAULI B/B	S/C	0	149	0.0	3.8	-3.8	
6		PUSAULI-VARANASI	S/C	0	122	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	103	0.0	1.4	-1.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	555	0.0	7.2	-7.2	
9		PATNA-BALIA	Q/C	0	886	0.0	12.4	-12.4	
10		BIHARSHARIFF-BALIA	D/C	0	293	0.0	4.1	-4.1	
11		MOTIHARI-GORAKHPUR	D/C	0	402	0.0	5.7	-5.7	
12		BIHARSHARIFF-VARANASI	D/C	63	227	0.0	2.1	-2.1	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	159	0.0	2.9	-2.9
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	36	0	0.6	0.0	0.6	
17	KARMANASA-CHANDAULI		S/C	0	0	0.0	0.0	0.0	
ER-NR						1.3	52.3	-51.1	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1657	0	28.7	0.0	28.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	423	679	0.0	3.2	-3.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	258	172	0.4	0.0	0.4	
21		RANCHI-SIPAT	D/C	218	164	0.7	0.0	0.7	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	18	79	0.0	0.8	-0.8	
23		BUDHIPADAR-KORBA	D/C	105	36	0.7	0.0	0.7	
ER-WR						30.5	4.0	26.5	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1573.0	0.0	23.4	-23.4	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	647.0	0.0	16.0	-16.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1979.0	0.0	44.4	-44.4	
27	400 kV	TALCHER-I/C	D/C	119.0	371.0	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	83.8	-83.8	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	328	35	5.3	0.0	5	
30		ALIPURDUAR-BONGAIGAON	D/C	450	0	8.0	0.0	8	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	82	17	1.0	0.0	1	
ER-NER						14.3	0.0	14.3	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	665	0	15.8	0.0	15.8	
NER-NR						15.8	0.0	15.8	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1309	0.0	26.2	-26.2	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1734	0.0	33.8	-33.8	
36		GWALIOR-AGRA	D/C	200	1084	0.0	26.2	-26.2	
37	765 kV	PHAGI-GWALIOR	D/C	566	1074	0.0	8.4	-8.4	
38		JABALPUR-ORAI	D/C	235	605	0.0	12.4	-12.4	
39		GWALIOR-ORAI	S/C	494	0	9.8	0.0	9.8	
40		SATNA-ORAI	S/C	0	1222	0.0	21.2	-21.2	
41		400 kV	ZERDA-KANKROLI	S/C	750	612	3.2	0.0	3.2
42			ZERDA -BHINMAL	S/C	418	253	0.0	0.2	-0.2
43	V'CHAL -RIHAND		S/C	966	0	19.0	0.0	19.0	
44	RAPP-SHUJALPUR		D/C	556	242	1	0	1	
45	220 kV	BADOD-KOTA	S/C	86	38	1.3	0.1	1.2	
46		BADOD-MORAK	S/C	91	115	0.4	0.9	-0.5	
47		MEHGAON-AURAIYA	S/C	85	0	1.0	0.0	1.0	
48	132kV	MALANPUR-AURAIYA	S/C	71	17	0.6	0.0	0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						42.6	129.4	-86.9	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	19.6	-19.6	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	608	1797	0.0	22.5	-22.5	
53		WARDHA-NIZAMABAD	D/C	0	1839	0.0	24.3	-24.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	1043	0	13.8	0.0	13.8	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	0	75	0.0	1.3	-1.3	
57		XELDEM-AMBEWADI	S/C	0	56	0.9	0.0	0.9	
WR-SR						14.7	67.6	-52.8	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.4	
59		NEPAL						-7.1	
60		BANGLADESH						-14.2	