



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: 22nd Jan 2018

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. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, 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. महाप्रबंधक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 21.01.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-जनवरी - 2018 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 21st January 2018, is available at the NLDC website.

धन्यवाद,

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

22-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	40756	42977	36768	17695	2302	140499
Peak Shortage (MW)	520	0	0	0	51	571
Energy Met (MU)	899	1041	865	344	41	3190
Hydro Gen(MU)	103	16	57	23	8	206
Wind Gen(MU)	2	21	28	-----	-----	51
Solar Gen (MU)*	4.92	17.69	47.35	1.92	0.02	72
Energy Shortage (MU)	12.0	0.0	0.0	0.0	0.4	12.4
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45157	49988	40221	18099	2287	148247

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	0.029	0.00	0.00	2.19	2.19	77.51	20.30

C. Power Supply Position in States

Region/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	5198	0	103.3	19.1	0.8	180	0.0
	Haryana	6533	0	116.8	70.2	1.1	196	0.1
	Rajasthan	11189	0	211.6	76.6	4.4	205	0.4
	Delhi	3854	0	62.0	44.4	-0.7	111	0.0
	UP	14198	30	294.1	101.1	0.6	415	1.0
	Uttarakhand	1939	0	36.1	26.8	-0.3	220	0.0
	HP	1445	0	25.4	21.7	-0.6	106	0.0
	J&K	2161	540	46.8	42.0	-0.9	192	10.6
WR	Chandigarh	194	0	3.1	3.2	-0.2	7	0.0
	Chhattisgarh	3278	0	74.3	5.7	-1.6	111	0.0
	Gujarat	14061	0	294.8	104.6	3.3	287	0.0
	MP	9950	0	220.5	131.7	-0.7	383	0.0
	Maharashtra	20249	0	409.5	135.8	0.7	399	0.0
	Goa	403	0	8.6	7.9	0.1	28	0.0
	DD	301	0	7.0	6.5	0.4	55	0.0
	DNH	741	0	17.4	16.8	0.5	54	0.0
SR	Essar steel	481	0	9.1	8.8	0.3	222	0.0
	Andhra Pradesh	8116	0	159.6	40.0	0.3	379	0.0
	Telangana	8729	0	174.6	69.7	0.0	540	0.0
	Karnataka	9359	0	196.9	91.5	0.4	358	0.0
	Kerala	3158	0	60.5	51.3	0.9	359	0.0
	Tamil Nadu	12610	0	267.4	135.1	1.8	411	0.0
ER	Pondy	285	0	5.9	6.4	-0.4	35	0.0
	Bihar	4376	0	70.2	67.8	-3.7	185	0.0
	DVC	3112	0	70.5	-38.3	-0.6	145	0.0
	Jharkhand	1080	0	26.0	14.9	1.5	50	0.0
	Odisha	4076	0	74.0	21.3	0.1	360	0.0
	West Bengal	6055	0	102.1	12.9	1.9	205	0.0
NER	Sikkim	91	0	1.6	1.8	-0.2	3	0.0
	Arunachal Pradesh	118	8	2.2	2.0	0.2	56	0.0
	Assam	1360	41	23.0	18.6	1.4	122	0.2
	Manipur	173	9	2.7	2.9	-0.2	14	0.0
	Meghalaya	297	2	6.0	4.0	-0.1	71	0.0
	Mizoram	84	11	1.7	1.2	-0.1	5	0.0
NER	Nagaland	114	4	1.7	1.9	-0.3	63	0.0
	Tripura	223	2	3.6	2.1	0.1	35	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.9	-10.1	-9.3
Day peak (MW)	217.2	-533.1	-629.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	187.4	-229.8	126.5	-87.8	3.4	-0.4
Actual(MU)	182.4	-233.7	127.5	-85.0	3.7	-5.2
O/D/U/D(MU)	-5.1	-3.9	1.0	2.9	0.3	-4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4221	12566	8412	1220	180	26599
State Sector	9185	16365	7104	4695	50	37399
Total	13406	28931	15516	5915	229	63998

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	561	1181	496	429	8	2675
Hydro	103	14	57	23	8	204
Nuclear	29	24	60	0	0	113
Gas, Naptha & Diesel	25	49	19	0	25	118
RES (Wind, Solar, Biomass & Others)	32	39	118	3	0	191
Total	750	1306	749	454	41	3300

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्रा०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 22-Jan-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
								Import=(+ve) /Export =(-ve) for NET (MU)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	0	347	0.0	9.9	-9.9
2		SASARAM-FATEHPUR	S/C	0	216	0.0	1.2	-1.2
3		GAYA-BALIA	S/C	0	366	0.0	7.2	-7.2
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	248	0.0	5.9	-5.9
6	400 kV	PUSAULI-VARANASI	S/C	0	190	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	117	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	390	0.0	8.1	-8.1
9		PATNA-BALIA	Q/C	0	990	0.0	17.6	-17.6
10		BIHARSHARIFF-BALIA	D/C	0	399	0.0	5.7	-5.7
11		MOTHARI-GORAKHPUR	D/C	0	0	0.0	6.1	-6.1
12		BIHARSHARIFF-VARANASI	D/C	0	142	0.0	2.0	-2.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	0	0.0	0.0	0.0
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.5	0.0	0.5
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						0.5	63.6	-63.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	8.0	0.0	8.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	458	0.0	3.1	-3.1
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	181	0.0	0.5	-0.5
21		RANCHI-SIPAT	D/C	0	69	2.7	0.0	2.7
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	208	0.0	2.9	-2.9
23		BUDHIPADAR-KORBA	D/C	0	1	1.1	0.0	1.1
ER-WR						11.7	6.6	5.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	22.7	-22.7
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	265.2	0.0	1.3	-1.3
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2283.4	0.0	51.5	-51.5
27	400 kV	TALCHER-I/C	D/C	0.0	48.6	4.8	0.8	4.0
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	75.5	-75.5
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	160	0.0	0.0	0
30		ALIPURDUAR-BONGAIGAON	D/C	0	170	3.9		4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	0.6	-1
ER-NER						3.9	0.6	3.3
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	468	0	11.2	0.0	11.2
NER-NR						11.2	0.0	11.2
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1378	0.0	51.1	-51.1
34		V'CHAL B/B	D/C	0	250	0.0	1.9	-1.9
35		APL -MHG	D/C	0	1009	0.0	24.9	-24.9
36	765 kV	GWALIOR-AGRA	D/C	0	2802	0.0	51.1	-51.1
37		PHAGI-GWALIOR	D/C	474	1408	0.0	29.1	-29.1
38	400 kV	ZERDA-KANKROLI	S/C	28	197	0.0	1.6	-1.6
39		ZERDA -BHINMAL	S/C	216	76	1.1	0.0	1.1
40		V'CHAL -RIHAND	S/C	949	0	21.5	0.0	21.5
41		RAPP-SHUJALPUR	D/C	0	1585	0	2	-2
42	220 kV	BADOD-KOTA	S/C	74	0	1.2	0.0	1.2
43		BADOD-MORAK	S/C	30	30	0.2	0.2	0.0
44		MEHGAON-AURAIYA	S/C	108	0	2.0	0.0	2.0
45		MALANPUR-AURAIYA	S/C	60	0	1.0	0.0	1.0
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						27.0	162.4	-135.4
Import/Export of WR (With SR)								
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	23.9	-23.9
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	0	1574	0.0	26.8	-26.8
50		WARDHA-NIZAMABAD	D/C	0	2396	0.0	45.6	-45.6
51	400 kV	KOLHAPUR-KUDGI	D/C	290	154	1.9	0.6	1.3
52	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
53		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
54		XELDEM-AMBEWADI	S/C	73	0	1.5	0.0	1.5
WR-SR						3.4	96.9	-93.5
TRANSNATIONAL EXCHANGE								
55		BHUTAN						3.9
56		NEPAL						-10.1
57		BANGLADESH						-9.3