



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: 26th 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 25.01.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th 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

26-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44143	44607	41392	18118	2399	150659
Peak Shortage (MW)	803	0	0	0	23	826
Energy Met (MU)	882	1065	940	362	43	3293
Hydro Gen (MU)	111	21	82	25	8	247
Wind Gen (MU)	6	63	24	-----	-----	94
Solar Gen (MU)*	15.85	18.2	58.15	0.58	0.03	93
Energy Shortage (MU)	11.5	0.0	0.0	0.0	0.3	11.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44903 18:30	52726 09:43	43962 09:18	18910 18:46	2499 18:10	155446 09:37

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	0.046	0.00	0.09	11.30	11.39	74.10	14.51

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	5516	0	105.3	35.3	-0.2	59	0.0	
	Haryana	6587	0	113.7	68.4	0.8	320	0.1	
	Rajasthan	11348	0	219.2	57.4	-3.7	160	0.0	
	Delhi	4145	0	72.5	52.5	0.7	422	0.0	
	UP	12333	160	246.2	94.3	-0.8	270	0.2	
	Uttarakhand	2007	0	38.9	25.6	-0.1	140	0.0	
	HP	1630	0	29.9	23.8	0.3	149	0.0	
	J&K	2666	667	53.0	46.9	0.6	278	11.2	
	Chandigarh	231	0	3.8	4.0	-0.2	22	0.0	
	WR	Chhattisgarh	3478	0	79.2	30.4	3.4	474	0.0
Gujarat		15349	0	322.5	81.3	1.7	721	0.0	
MP		11608	0	218.1	115.4	-1.7	737	0.0	
Maharashtra		19451	0	397.6	118.1	0.4	525	0.0	
Goa		498	0	12.0	10.6	0.7	127	0.0	
DD		319	0	7.2	7.0	0.2	31	0.0	
DNH		798	0	18.1	18.0	0.1	36	0.0	
Essar steel		526	0	10.5	10.3	0.2	323	0.0	
SR		Andhra Pradesh	8461	0	169.7	64.8	1.1	591	0.0
		Telangana	8778	0	176.9	74.0	-0.3	742	0.0
	Karnataka	11418	0	219.4	85.4	-0.1	800	0.0	
	Kerala	3487	0	68.3	51.6	1.0	182	0.0	
	Tamil Nadu	14339	0	298.9	159.7	1.0	497	0.0	
	Pondy	362	0	7.2	7.2	0.0	42	0.0	
ER	Bihar	4097	0	71.2	66.3	0.2	460	0.0	
	DVC	3136	0	66.7	-43.4	1.0	396	0.0	
	Jharkhand	1150	0	22.7	18.1	-1.7	169	0.0	
	Odisha	3884	0	75.4	26.3	0.7	267	0.0	
	West Bengal	6719	0	124.9	25.7	0.0	309	0.0	
	Sikkim	96	0	1.4	1.7	-0.3	18	0.0	
NER	Arunachal Pradesh	113	2	2.3	2.0	0.3	48	0.0	
	Assam	1420	23	23.8	18.9	1.1	172	0.2	
	Manipur	202	3	2.8	2.9	-0.1	24	0.0	
	Meghalaya	358	1	6.3	5.2	-0.2	32	0.0	
	Mizoram	99	3	1.9	1.6	-0.1	14	0.0	
	Nagaland	123	2	2.1	2.0	-0.1	60	0.0	
	Tripura	223	9	3.8	3.6	0.4	85	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.6	-6.9	-12.8
Day peak (MW)	72.6	-307.0	-820.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	165.6	-199.5	114.5	-82.7	2.3	0.2
Actual(MU)	157.8	-209.3	115.1	-77.8	3.7	-10.5
O/D/U/D(MU)	-7.8	-9.7	0.6	4.8	1.4	-10.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3510	13266	6252	1420	354	24801
State Sector	11310	16174	9430	3775	50	40739
Total	14820	29440	15682	5195	403	65540

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	509	1087	528	430	9	2564
Lignite	18	15	51	0	0	84
Hydro	111	21	82	25	8	247
Nuclear	24	26	32	0	0	82
Gas, Naptha & Diesel	34	35	19	0	26	114
RES (Wind, Solar, Biomass & Others)	51	83	117	1	0	251
Total	747	1268	828	456	43	3342
Share of RES in total generation (%)	6.80	6.54	14.13	0.14	0.07	7.52
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	24.86	10.29	27.84	5.65	18.23	17.37

H. Diversity Factor

All India Demand Diversity Factor	1.049
-----------------------------------	-------

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 : 26-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	777	0.0	9.2	-9.2	
2		SASARAM-FATEHPUR	S/C	0	289	0.0	3.2	-3.2	
3		GAYA-BALIA	S/C	195	346	0.0	6.8	-6.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	149	0.0	3.7	-3.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	111	0.0	2.0	-2.0	
7		PUSAULI -ALLAHABAD	S/C	0	117	0.0	1.4	-1.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	688	0.0	7.4	-7.4	
9		PATNA-BALIA	Q/C	0	912	0.0	16.3	-16.3	
10		BIHARSHARIFF-BALIA	D/C	0	346	0.0	4.4	-4.4	
11		MOTIHARI-GORAKHPUR	D/C	0	383	0.0	7.0	-7.0	
12		BIHARSHARIFF-VARANASI	D/C	61	263	0.0	2.0	-2.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	146	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	36	0	0.4	0.0	0.4	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	0.9	65.8	-64.9
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1600	0	25.0	0.0	25.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	359	581	0.0	0.5	-0.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	244	240	0.2	0.0	0.2	
21		RANCHI-SIPAT	D/C	187	154	1.0	0.0	1.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	20	53	0.0	0.4	-0.4	
23		BUDHIPADAR-KORBA	D/C	143	0	2.4	0.0	2.4	
						ER-WR	28.5	0.9	27.6
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1850.0	0.0	26.6	-26.6	
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	1993.0	0.0	47.3	-47.3	
27	400 kV	TALCHER-I/C	D/C	0.0	655.0	0.0	14.0	-14.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	89.9	-89.9
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	245	0	4.3	0.0	4	
30		ALIPURDUAR-BONGAIGAON	D/C	374	0	6.7	0.0	7	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	58	11	0.7	0.0	1	
						ER-NER	11.8	0.0	11.8
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	672	0	16.3	0.0	16.3	
						NER-NR	16.3	0.0	16.3
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1771	0.0	23.3	-23.3	
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1553	0.0	36.1	-36.1	
36	765 kV	GWALIOR-AGRA	D/C	786	1115	0.0	36.0	-36.0	
37		PHAGI-GWALIOR	D/C	0	1246	0.0	13.2	-13.2	
38		JABALPUR-ORAI	D/C	0	612	0.0	17.1	-17.1	
39		GWALIOR-ORAI	S/C	645	0	8.5	0.0	8.5	
40		SATNA-ORAI	S/C	0	1717	0.0	25.8	-25.8	
41		400 kV	ZERDA-KANKROLI	S/C	216	94	1.0	0.0	1.0
42			ZERDA -BHINMAL	S/C	114	295	2.6	0.0	2.6
43	V'CHAL -RIHAND		S/C	969	0	20.1	0.0	20.1	
44	RAPP-SHUJALPUR		D/C	233	188	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	48	29	0.9	0.1	0.8	
46		BADOD-MORAK	S/C	23	82	0.0	0.7	-0.7	
47		MEHGAON-AURAIYA	S/C	95	15	1.1	0.0	1.1	
48	132kV	MALANPUR-AURAIYA	S/C	50	34	0.3	0.1	0.2	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	40.4	152.8	-112.4
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.9	-23.9	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	420	2088	0.0	24.2	-24.2	
53		WARDHA-NIZAMABAD	D/C	0	2104	0.0	26.6	-26.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	969	0	12.4	0.0	12.4	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	1	65	0.0	0.9	-0.9	
57		XELDEM-AMBEWADI	S/C	0	63	0.9	0.0	0.9	
						WR-SR	13.4	75.7	-62.3
TRANSNATIONAL EXCHANGE									
58		BHUTAN						0.6	
59		NEPAL						-6.9	
60		BANGLADESH						-12.8	