



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
GRID CONTROLLER OF INDIA LIMITED
ग्रीड कंट्रोलर ऑफ इंडिया 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 January 2023

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 26.01.2023.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26- जनवरी -2023 की अखिल भारतीय प्रणाली की दैनिक ग्रीड 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 26th January 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 27-Jan-2023

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	46601	51546	40708	20211	2554	161620
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1051	1276	1035	428	49	3839
Hydro Gen (MU)	110	29	56	30	8	233
Wind Gen (MU)	36	159	52	-	-	248
Solar Gen (MU)*	115.08	49.78	126.73	5.03	0.90	298
Energy Shortage (MU)	0.64	0.00	0.00	1.06	0.00	1.70
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55688	59433	53876	20901	2642	189461
Time Of Maximum Demand Met (From NLDC SCADA)	09:27	10:15	10:26	07:40	17:51	10:14

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	0.087	0.15	1.32	10.39	11.86	61.16	26.98

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	6656	0	128.3	36.5	-2.0	80	0.20
	Haryana	6130	0	123.8	66.8	-0.7	129	0.02
	Rajasthan	16729	0	298.9	79.4	-3.3	194	0.00
	Delhi	3943	0	64.8	58.1	-2.2	243	0.00
	UP	16381	0	303.8	108.6	-2.8	347	0.00
	Uttarakhand	1970	80	35.5	26.4	-0.3	239	0.27
	HP	1595	0	28.1	21.5	-0.3	41	0.00
	J&K(UT) & Ladakh(UT)	2928	0	63.5	61.1	-2.0	78	0.15
	Chandigarh	225	0	4.0	4.3	-0.3	17	0.00
	Chhattisgarh	5070	0	108.5	56.4	0.1	477	0.00
WR	Gujarat	16736	0	353.8	162.8	-4.6	837	0.00
	MP	13080	0	258.3	148.5	0.0	314	0.00
	Maharashtra	23065	0	492.8	158.7	-2.0	586	0.00
	Goa	558	0	11.8	10.8	0.7	49	0.00
	DNHDDPDCL	1156	0	22.7	22.6	0.1	79	0.00
	AMNSIL	756	0	16.1	9.1	-0.1	300	0.00
	BALCO	518	0	12.4	12.4	0.0	12	0.00
	Andhra Pradesh	11206	0	201.9	77.1	-0.4	331	0.00
	Telangana	13322	0	232.9	94.5	0.5	904	0.00
	Karnataka	13230	0	233.1	82.2	-2.0	664	0.00
SR	Kerala	3706	0	72.4	62.4	0.3	135	0.00
	Tamil Nadu	13667	0	287.0	161.7	-3.2	337	0.00
	Puducherry	339	0	7.6	7.3	-0.4	63	0.00
	Bihar	5326	0	90.4	82.0	-2.9	359	0.50
	DVC	3389	0	73.0	48.1	1.2	463	0.00
	Jharkhand	1655	0	29.7	23.3	-2.8	152	0.56
	Odisha	4758	0	102.9	41.4	-1.4	196	0.00
	West Bengal	6230	0	130.1	1.2	-3.4	182	0.00
	Sikkim	102	0	1.5	1.9	-0.3	2	0.00
	NER	Arunachal Pradesh	158	0	2.6	2.7	-0.2	26
Assam		1423	0	27.8	19.2	2.1	82	0.00
Manipur		229	0	3.3	3.4	-0.1	46	0.00
Meghalaya		359	0	6.8	6.6	-0.3	18	0.00
Mizoram		135	0	2.1	1.8	-0.2	9	0.00
Nagaland		149	0	2.1	2.1	-0.1	19	0.00
Tripura		245	0	4.0	2.7	0.0	22	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.8	-10.7	-23.8
Day Peak (MW)	-215.0	-518.6	-1059.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	121.0	-120.1	121.8	-122.3	-0.5	0.0
Actual(MU)	102.5	-118.4	134.4	-124.4	1.7	-4.2
O/D/U/D(MU)	-18.6	1.7	12.6	-2.1	2.2	-4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6422	15296	7698	3465	654	33534	51
State Sector	6890	16466	6095	2730	98	32279	49
Total	13312	31762	13793	6195	752	65813	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	677	1206	570	605	14	3072	74
Lignite	30	20	51	0	0	101	2
Hydro	110	29	56	30	8	233	6
Nuclear	26	24	76	0	0	127	3
Gas, Naptha & Diesel	12	4	5	0	31	52	1
RES (Wind, Solar, Biomass & Others)	176	211	201	5	1	594	14
Total	1031	1494	960	640	54	4179	100

Share of RES in total generation (%)	17.05	14.13	20.98	0.79	1.40	14.22
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.28	17.71	34.73	5.47	16.55	22.83

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.016
Based on State Max Demands	1.040

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

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

**Note: All generation MU figures are gross

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve)/Export=(-ve) for NET (MU)
Date of Reporting: 27-Jan-2023

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	0	299	0.0	7.0	-7.0
3	765 kV	GAYA-VARANASI	2	43	754	0.0	9.0	-9.0
4	765 kV	SASARAM-FAIZHUR	1	24	393	0.0	5.4	-5.4
5	765 kV	GAYA-BALIA	1	0	472	0.0	7.4	-7.4
6	400 kV	PUSAULI-VARANASI	1	0	245	0.0	4.0	-4.0
7	400 kV	PUSAULI-ALLAHABAD	1	0	173	0.0	3.1	-3.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	105	528	0.0	6.2	-6.2
9	400 kV	PATNA-BALIA	2	15	467	0.0	7.0	-7.0
10	400 kV	NAUBATTI-BALIA	2	32	502	0.0	6.3	-6.3
11	400 kV	BIHARSHARIFE-BALIA	2	209	137	0.0	0.3	-0.3
12	400 kV	MOTIHARI-GORAKHPUR	2	4	401	0.0	5.6	-5.6
13	400 kV	BIHARSHARIFE-VARANASI	2	67	283	0.0	3.1	-3.1
14	220 kV	SAHUPUR-BAKAMANASA	1	22	87	0.0	1.2	-1.2
15	132 kV	NAGARUNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5
17	132 kV	KARMANASA-SAHUPURI	1	3	22	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0
ER-NR						0.5	65.5	-65.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	736	444	6.1	0.0	6.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	182	487	0.0	2.6	-2.6
3	765 kV	JHARSUGUDA-DURG	2	0	473	0.0	8.7	-8.7
4	400 kV	JHARSUGUDA-RAIGARH	4	0	640	0.0	8.8	-8.8
5	400 kV	RANCHI-SIPAT	2	29	212	0.0	2.6	-2.6
6	220 kV	BUDHIPADAR-RAIGARH	1	0	196	0.0	3.1	-3.1
7	220 kV	BUDHIPADAR-KORBA	2	84	129	0.0	0.7	-0.7
ER-WR						6.1	26.4	-20.4
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	274	0.0	6.0	-6.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1985	0.0	37.3	-37.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2863	0.0	54.5	-54.5
4	400 kV	TALCHER-IC	2	626	792	4.9	0.0	4.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	97.9	-97.9
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAOON	2	128	34	1.7	0.0	1.6
2	400 kV	ALIPURDUAR-BONGAIGAOON	2	447	0	6.9	0.0	6.9
3	220 kV	ALIPURDUAR-SALAKATI	2	46	0	0.7	0.0	0.7
ER-NER						9.3	0.0	9.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	466	0	11.6	0.0	11.6
NER-NR						11.6	0.0	11.6
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1004	0.0	22.6	-22.6
2	HVDC	VINDHYACHAL B/B	-	205	0	6.1	0.0	6.1
3	HVDC	MUNDRA-MOHENDERGARH	2	0	0	0.0	0.0	0.0
4	765 kV	GWALIOR-AGRA	2	27	1857	0.0	25.3	-25.3
5	765 kV	GWALIOR-PHAGI	2	417	1631	1.2	19.1	-17.9
6	765 kV	JABALPUR-ORAI	2	135	663	0.0	17.9	-17.9
7	765 kV	GWALIOR-ORAI	1	907	0	14.8	0.0	14.8
8	765 kV	SATNA-ORAI	1	0	829	0.0	15.6	-15.6
9	765 kV	BANASKANTHA-CHITORGARH	2	1583	22	16.0	0.0	16.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	1698	0.0	26.6	-26.6
11	400 kV	ZERDA-KANKROLI	1	247	20	1.3	0.0	1.3
12	400 kV	ZERDA-BHINMAL	1	512	130	3.9	0.0	3.9
13	400 kV	VINDHYACHAL -RIHAND	1	963	0	21.9	0.0	21.9
14	400 kV	RAPP-SHUJALPUR	2	684	309	3.6	1.6	2.1
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.5	-1.5
17	220 kV	MEHGAON-AURAIYA	1	94	0	0.8	0.0	0.8
18	220 kV	MALANPUR-AURAIYA	1	71	0	2.1	0.0	2.1
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
WR-NR						71.7	130.1	-58.4
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	293	813	1.6	8.0	-6.4
2	HVDC	RAIGARH-PUGALUR	0	0	2504	0.0	32.4	-32.4
3	765 kV	SOLAPUR-RAICHUR	2	307	1369	0.0	17.5	-17.5
4	765 kV	WARDHA-NIZAMABAD	2	0	2533	0.0	42.2	-42.2
5	400 kV	KOLHAPUR-KUDGI	2	1059	0	16.8	0.0	16.8
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
8	220 kV	XELDEM-AMBEWADI	1	0	80	1.4	0.0	1.4
WR-SR						19.8	100.1	-80.3

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	0	0	0	-1.81
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*120MW)	183	0	53	1.44
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*90MW)	0	0	0	-1.89
	NER	132kV GELEPHU-SALAKATI	21	8	16	0.37
	NER	132kV MOTANGA-RANGIA	11	0	4	0.09
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-74	0	-63	-1.51
	ER	NEPAL IMPORT (FROM BIHAR)	-106	-72	-87	-2.09
	ER	400kV DHALKHEBAR-MUZAFFARPUR 1&2	-339	-224	-296	-7.10
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-928	-786	-883	-21.18
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-131	0	-110	-2.64