



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: 26<sup>th</sup> 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 25.01.2023.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25- 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 25<sup>th</sup> January 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 26-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)	51135	56577	43988	21614	2625	175939
Peak Shortage (MW)	300	0	0	370	60	730
Energy Met (MU)	1113	1380	1078	446	49	4067
Hydro Gen (MU)	114	36	75	30	8	263
Wind Gen (MU)	12	86	63	-	-	162
Solar Gen (MU)*	112.81	52.15	127.26	5.01	0.76	298
Energy Shortage (MU)	1.17	0.00	0.00	2.57	0.10	3.84
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	57259	67142	55742	22055	2809	201671
Time Of Maximum Demand Met (From NLDC SCADA)	10:54	10:02	10:16	18:45	17:55	10:27

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	0.069	0.02	0.69	4.04	4.76	58.31	36.93

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	7293	0	141.3	38.5	-0.9	89	0.60
	Haryana	7328	0	142.7	85.8	1.2	230	0.01
	Rajasthan	16719	0	305.8	103.3	-2.8	202	0.00
	Delhi	4475	0	76.1	68.8	-1.9	201	0.00
	UP	16924	0	299.4	73.2	0.6	451	0.41
	Uttarakhand	2221	0	42.3	33.8	-0.1	119	0.15
	HP	1878	0	33.4	27.0	-0.5	129	0.00
	J&K(UT) & Ladakh(UT)	3130	0	67.3	61.2	-1.4	74	0.00
	Chandigarh	270	0	4.4	4.4	0.0	28	0.00
	Chhattisgarh	5061	0	109.7	57.6	-0.2	230	0.00
WR	Gujarat	18230	0	375.3	203.2	-7.2	524	0.00
	MP	14305	0	276.6	164.3	0.0	566	0.00
	Maharashtra	27288	0	547.9	169.8	-0.8	800	0.00
	Goa	617	0	13.4	12.1	1.1	46	0.00
	DNHDDPDCL	1228	0	28.2	28.3	-0.1	47	0.00
	AMNSIL	769	0	16.9	9.8	0.1	289	0.00
	BALCO	517	0	12.3	12.4	-0.1	12	0.00
	Andhra Pradesh	11152	0	203.0	71.8	-0.8	443	0.00
	Telangana	12611	0	227.1	84.9	1.6	872	0.00
	Karnataka	14300	0	251.6	88.8	-1.9	508	0.00
SR	Kerala	3834	0	75.3	60.6	-0.1	120	0.00
	Tamil Nadu	15375	0	312.7	172.6	-2.2	711	0.00
	Puducherry	392	0	8.5	8.3	-0.5	54	0.00
	Bihar	5091	0	88.7	81.3	-4.5	219	0.43
	DVC	3520	0	74.7	47.9	0.4	365	0.00
ER	Jharkhand	1685	0	28.7	22.0	-2.3	151	2.14
	Odisha	5215	0	109.1	37.5	-4.2	197	0.00
	West Bengal	7149	0	142.7	12.4	-2.6	508	0.00
	Sikkim	126	0	2.0	2.0	0.0	22	0.00
	Arunachal Pradesh	161	0	2.7	2.7	-0.1	23	0.00
NER	Assam	1578	0	27.5	21.0	0.3	123	0.10
	Manipur	232	0	3.5	3.5	-0.1	18	0.00
	Meghalaya	387	0	7.1	6.4	-0.1	30	0.00
	Mizoram	141	0	2.2	1.8	-0.2	6	0.00
	Nagaland	145	0	2.1	2.1	-0.1	24	0.00
	Tripura	239	0	4.1	2.5	-0.1	29	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.5	-10.0	-23.5
Day Peak (MW)	-338.4	-517.0	-1060.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	141.4	-99.3	112.5	-154.4	-0.2	0.0
Actual(MU)	136.8	-92.9	124.4	-163.7	0.8	5.3
O/D/U/D(MU)	-4.6	6.4	11.9	-9.4	1.0	5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6512	13951	7698	2095	654	30699	49
State Sector	7485	15491	5696	2990	98	32519	51
Total	13997	29442	13394	5085	752	63218	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	729	1356	607	667	14	3374	76
Lignite	31	22	49	0	0	101	2
Hydro	114	36	75	30	8	263	6
Nuclear	26	29	76	0	0	132	3
Gas, Naptha & Diesel	12	2	5	0	31	51	1
RES (Wind, Solar, Biomass & Others)	151	140	213	6	1	510	12
Total	1063	1586	1024	703	55	4431	100

Share of RES in total generation (%)	14.20	8.85	20.76	0.82	1.39	11.52
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	27.39	12.97	35.51	5.08	16.72	20.43

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.017
Based on State Max Demands	1.049

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: 26-Jan-2023

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	-	0	297	0.0	7.1	-7.1	
3	765 kV	GAYA-VARANASI	2	0	732	0.0	12.3	-12.3	
4	765 kV	SASARAM-FAITEHPUR	1	0	479	0.0	8.3	-8.3	
5	765 kV	GAYA-BALIA	1	0	622	0.0	10.3	-10.3	
6	400 kV	PUSAULI-VARANASI	1	0	300	0.0	5.0	-5.0	
7	400 kV	PUSAULI-ALLAHABAD	1	0	187	0.0	3.0	-3.0	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	756	0.0	7.5	-7.5	
9	400 kV	PATNA-BALIA	2	0	615	0.0	11.3	-11.3	
10	400 kV	NAIBATTI-BALIA	2	0	662	0.0	12.2	-12.2	
11	400 kV	BIHARSHARIFF-BALIA	2	23	326	0.0	4.1	-4.1	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	488	0.0	7.1	-7.1	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	340	0.0	5.0	-5.0	
14	220 kV	SAHUPUR-BAKAMANASA	1	0	110	0.0	1.3	-1.3	
15	132 kV	NAGARUNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.6	0.0	0.6	
17	132 kV	KARMANASA-SAHUPURI	1	3	41	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.6	93.5	-92.9
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	716	330	4.7	0.0	4.7	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	376	570	0.0	3.4	-3.4	
3	765 kV	JHARSUGUDA-DURG	2	0	515	0.0	8.9	-8.9	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	688	0.0	9.3	-9.3	
5	400 kV	RANCHI-SIPAT	2	65	274	0.0	2.8	-2.8	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	190	0.0	3.4	-3.4	
7	220 kV	BUDHIPADAR-KORBA	2	39	112	0.0	1.0	-1.0	
						ER-WR	4.7	28.8	-24.1
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	274	0.0	6.0	-6.0	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1997	0.0	46.0	-46.0	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2998	0.0	56.4	-56.4	
4	400 kV	TALCHER-IC	2	237	286	0.0	2.3	-2.3	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	108.5	-108.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOON	2	142	21	1.8	0.0	1.8	
2	400 kV	ALIPURDUAR-BONGAIGAOON	2	538	0	7.9	0.0	7.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	52	0	0.8	0.0	0.8	
						ER-NER	10.5	0.0	10.5
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	465	0	11.3	0.0	11.3	
						NER-NR	11.3	0.0	11.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1759	0.0	32.0	-32.0	
2	HVDC	VINDHYACHAL B/B	-	203	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	26	2011	0.0	21.8	-21.8	
5	765 kV	GWALIOR-PHAGI	2	0	1931	0.0	30.4	-30.4	
6	765 kV	JABALPUR-ORAI	2	0	951	0.0	20.5	-20.5	
7	765 kV	GWALIOR-ORAI	1	888	0	15.1	0.0	15.1	
8	765 kV	SATNA-ORAI	1	0	1095	0.0	18.5	-18.5	
9	765 kV	BANASKANTHA-CHITORGARH	2	2444	0	34.1	0.0	34.1	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2136	0.0	29.6	-29.6	
11	400 kV	ZERDA-KANKROLI	1	367	0	4.6	0.0	4.6	
12	400 kV	ZERDA-BHINMAL	1	519	55	5.2	0.0	5.2	
13	400 kV	VINDHYACHAL -RIHAND	1	956	0	21.5	0.0	21.5	
14	400 kV	RAPP-SHUJALPUR	2	514	457	2.8	1.9	0.9	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.6	-1.6	
17	220 kV	MEHGAON-AURAIYA	1	84	0	0.7	0.0	0.7	
18	220 kV	MALANPUR-AURAIYA	1	66	6	0.7	0.0	0.7	
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	90.8	156.2	-65.4
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	317	1009	4.2	4.5	-0.3	
2	HVDC	RAIGARH-PUGALUR	-	0	3008	0.0	27.8	-27.8	
3	765 kV	SOLAPUR-RAICHUR	2	678	2239	0.9	16.1	-15.2	
4	765 kV	WARDHA-NIZAMABAD	2	0	2142	0.0	37.0	-37.0	
5	400 kV	KOLHAPUR-KUDGI	2	1285	0	21.1	0.0	21.1	
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	82	1.5	0.0	1.5	
						WR-SR	27.8	85.3	-57.6

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	-2.01
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*120MW)	157	54	70	1.79
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*90MW)	0	0	0	-1.78
	NER	132kV GELEPHU-SALAKATI	-21	-9	-16	-0.39
	NER	132kV MOTANGA-RANGIA	-13	0	-3	-0.07
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-73	0	-57	-1.36
	ER	NEPAL IMPORT (FROM BHAR)	-116	-66	-87	-2.08
	ER	400kV DHALKHEBAR-MUZAFFARPUR 1&2	-328	-41	-273	-6.55
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-929	-789	-874	-20.97
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-131	0	-107	-2.56