



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> December 2022

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 25.12.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25- दिसंबर -2022 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> December 2022, is available at the NLDC website.

धन्यवाद,

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 26-Dec-2022

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)	51738	55055	36745	19922	2415	165875
Peak Shortage (MW)	30	0	0	362	0	392
Energy Met (MU)	1111	1384	930	402	44	3872
Hydro Gen (MU)	118	34	83	30	10	275
Wind Gen (MU)	16	85	27	-	-	129
Solar Gen (MU)*	98.23	47.73	77.69	5.29	0.52	229
Energy Shortage (MU)	8.41	0.00	0.00	2.83	0.00	11.24
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55421	68692	49188	20241	2528	193642
Time Of Maximum Demand Met (From NLDC SCADA)	10:17	10:41	10:54	18:17	17:33	10:40

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	0.319	7.97	2.46	3.43	13.86	44.07	42.07

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	7081	0	139.1	35.6	-1.6	118	0.00	
	Haryana	6897	0	132.5	80.7	-0.7	130	0.76	
	Rajasthan	15276	335	301.0	118.8	-1.6	219	6.82	
	Delhi	4485	0	72.3	66.6	-3.2	147	0.00	
	UP	17504	0	326.9	88.2	-1.9	346	0.00	
	Uttarakhand	2101	0	40.5	28.1	0.9	202	0.72	
	HP	1872	0	33.4	26.7	-0.1	110	0.00	
	J&K(UT) & Ladakh(UT)	2873	0	61.6	60.1	-2.8	133	0.11	
	Chandigarh	239	0	4.2	4.1	0.1	43	0.00	
	WR	Chhattisgarh	4606	0	101.5	50.9	0.2	362	0.00
Gujarat		18899	0	373.0	207.2	-5.7	1202	0.00	
MP		17054	0	322.1	188.2	0.0	365	0.00	
Maharashtra		25433	0	521.9	167.3	-0.5	625	0.00	
Goa		563	0	11.4	11.0	-0.2	90	0.00	
DNHDDPDCL		1130	0	26.2	26.4	-0.2	40	0.00	
AMNSIL		752	0	15.8	10.3	-0.7	264	0.00	
BALCO		515	0	12.3	12.2	0.1	4	0.00	
SR		Andhra Pradesh	9235	0	175.9	89.3	-0.8	778	0.00
		Telangana	12761	0	214.3	85.1	-1.8	634	0.00
	Karnataka	11472	0	196.8	70.8	-0.3	831	0.00	
	Kerala	3364	0	67.1	49.3	-0.9	213	0.00	
	Tamil Nadu	13044	0	268.3	153.3	-2.8	226	0.00	
	Paducherry	331	0	7.9	7.5	-0.3	47	0.00	
ER	Bihar	4888	0	85.6	76.4	-2.2	156	0.19	
	DVC	3337	0	70.3	-42.5	-0.6	219	0.00	
	Jharkhand	1634	0	28.1	21.2	-2.0	153	2.64	
	Odisha	5276	0	101.5	42.8	-3.2	275	0.00	
	West Bengal	6360	0	115.2	-5.6	-2.3	139	0.00	
	Sikkim	100	0	1.5	1.6	-0.1	8	0.00	
NER	Arunachal Pradesh	141	0	2.3	2.2	-0.1	38	0.00	
	Assam	1392	0	23.7	18.7	-1.5	66	0.00	
	Manipur	215	0	3.3	3.4	-0.1	27	0.00	
	Meghalaya	360	0	7.0	6.2	-0.1	27	0.00	
	Mizoram	121	0	1.9	1.8	-0.3	14	0.00	
	Nagaland	127	0	2.3	2.3	-0.2	11	0.00	
	Tripura	219	0	3.6	2.0	-0.3	23	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	0.3	-6.1	-20.4
Day Peak (MW)	160.0	-382.3	-1041.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	168.9	-129.9	126.8	-162.0	-3.9	0.0
Actual(MU)	171.7	-132.8	134.3	-172.9	-5.8	-5.5
O/D/U/D(MU)	2.8	-3.0	7.5	-10.9	-1.9	-5.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6667	11861	8228	2520	685	29961	46
State Sector	8315	15191	8613	2680	98	34897	54
Total	14982	27052	16841	5200	783	64857	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	711	1390	541	610	14	3266	78
Lignite	28	12	24	0	0	64	2
Hvdro	119	34	83	30	10	277	7
Nuclear	21	37	70	0	0	128	3
Gas, Naptha & Diesel	14	4	6	0	31	55	1
RES (Wind, Solar, Biomass & Others)	138	135	129	6	1	410	10
Total	1032	1613	853	646	56	4200	100

Share of RES in total generation (%)	13.42	8.40	15.16	0.92	0.92	9.75
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	26.98	12.83	33.15	5.55	19.12	19.40

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.013
Based on State Max Demands	1.041

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.

Executive Director-NLDC

**INTER-REGIONAL EXCHANGES**

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 26-Dec-2022

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	348	0.0	8.5	-8.5
3	765 kV	GAYA-VARANASI	2	0	710	0.0	11.2	-11.2
4	765 kV	SASARAM-FATEHPUR	1	0	499	0.0	8.9	-8.9
5	765 kV	GAYA-BALIA	1	0	580	0.0	8.9	-8.9
6	400 kV	PUSAULI-VARANASI	1	0	222	0.0	4.4	-4.4
7	400 kV	PUSAULI-ALLAHABAD	1	0	201	0.0	3.9	-3.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	849	0.0	14.0	-14.0
9	400 kV	PATNA-BALIA	2	0	533	0.0	10.3	-10.3
10	400 kV	NAUBATPUR-BALIA	2	0	597	0.0	11.3	-11.3
11	400 kV	BIHARSHARIFF-BALIA	2	0	391	0.0	6.5	-6.5
12	400 kV	MOTIHARI-GORAKHPUR	2	0	556	0.0	10.4	-10.4
13	400 kV	BIHARSHARIFF-VARANASI	2	0	338	0.0	4.5	-4.5
14	220 kV	SAHUPURI-KARAMNUSA	1	0	112	0.0	1.5	-1.5
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
17	132 kV	KARMANASA-SAHUPURI	1	0	2	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
ER-NR						0.4	104.2	-103.8
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1026	227	8.0	0.0	8.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	269	667	0.0	2.7	-2.7
3	765 kV	JHARSUGUDA-DURG	2	0	500	0.0	8.9	-8.9
4	400 kV	JHARSUGUDA-RAIGARH	4	0	562	0.0	8.4	-8.4
5	400 kV	RANCHI-SIPAT	2	42	282	0.0	2.1	-2.1
6	220 kV	BUDHIPADAR-RAIGARH	1	0	112	0.0	1.6	-1.6
7	220 kV	BUDHIPADAR-KORBA	2	79	75	0.0	0.1	-0.1
ER-WR						8.0	23.8	-15.8
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	542	0.0	7.6	-7.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1997	0.0	45.5	-45.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	3277	0.0	56.9	-56.9
4	400 kV	TALCHER-I/C	2	0	741	0.0	13.1	-13.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	110.0	-110.0
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	217	0	2.8	0.0	2.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	663	0	11.6	0.0	11.6
3	220 kV	ALIPURDUAR-SALAKATI	2	52	0	0.9	0.0	0.9
ER-NER						15.3	0.0	15.3
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	473	0	11.2	0.0	11.2
NER-NR						11.2	0.0	11.2
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1017	0.0	23.4	-23.4
2	HVDC	VINDHYACHAL B/B	-	245	0	6.1	0.0	6.1
3	HVDC	MUNDRA-MOHINDERGARH	2	978	0	0.0	23.3	-23.3
4	765 kV	GWALIOR-AGRA	2	0	1538	0.0	22.9	-22.9
5	765 kV	GWALIOR-PHAGI	2	0	2265	0.0	35.5	-35.5
6	765 kV	JABALPUR-ORAI	2	0	1036	0.0	31.5	-31.5
7	765 kV	GWALIOR-ORAI	1	1119	0	18.6	0.0	18.6
8	765 kV	SATNA-ORAI	1	0	1022	0.0	19.0	-19.0
9	765 kV	BANASKANTHA-CHITORGARH	2	1717	476	13.1	2.4	10.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	2144	0.0	36.2	-36.2
11	400 kV	ZERDA-KANKROLI	1	249	87	1.0	0.0	1.0
12	400 kV	ZERDA-BHINMAL	1	411	236	0.3	0.0	0.3
13	400 kV	VINDHYACHAL-RIHAND	1	964	0	22.0	0.0	22.0
14	400 kV	RAPP-SHUALPUR	2	306	638	0.8	6.0	-5.2
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.7	-1.7
17	220 kV	MEHGAON-AURAIYA	1	108	0	1.0	0.0	1.0
18	220 kV	MALANPUR-AURAIYA	1	75	0	1.6	0.0	1.6
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						64.5	201.8	-137.3
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	300	315	6.1	1.0	5.0
2	HVDC	RAIGARH-PUGALUR	2	574	2498	0.0	20.7	-20.7
3	765 kV	SOLAPUR-RAICHUR	2	53	1951	0.0	18.4	-18.4
4	765 kV	WARDHA-NIZAMABAD	2	0	3052	0.0	46.2	-46.2
5	400 kV	KOLHAPUR-KUDGI	2	1136	0	18.1	0.0	18.1
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	113	2.2	0.0	2.2
WR-SR						26.4	86.3	-60.0

**INTERNATIONAL EXCHANGES**

Import(+ve)/Export(-ve)

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	-0.95
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	160	107	128	3.07
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-1.37
	NER	132kV GELEPHU-SALAKATI	-20	0	-17	-0.40
	NER	132kV MOTANGA-RANGIA	-10	0	-4	-0.09
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-70	0	-58	-1.40
	ER	NEPAL IMPORT (FROM BIHAR)	-56	-6	-47	-1.14
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-256	-110	-149	-3.57
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-931	-624	-759	-18.23
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-110	0	-90	-2.16