



**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: 2<sup>nd</sup> December 2022

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, 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., डोंगतेह, लोअर नोंग्रह , लापलंग, 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 01.12.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01- दिसंबर -2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड 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 1<sup>st</sup> December 2022, 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: 02-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)	47669	54930	42172	18947	2594	166312
Peak Shortage (MW)	0	0	0	529	0	529
Energy Met (MU)	1061	1361	974	383	47	3825
Hydro Gen (MU)	131	33	101	36	13	314
Wind Gen (MU)	8	93	28	-	-	129
Solar Gen (MU)*	101.35	48.67	90.83	2.08	0.81	244
Energy Shortage (MU)	2.22	0.00	0.00	4.52	0.00	6.74
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53937	65147	48070	19646	2760	185884
Time Of Maximum Demand Met (From NLDC SCADA)	10:13	10:51	09:26	17:57	17:22	10:13

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	0.049	0.00	0.59	11.61	12.20	73.81	13.99

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	7236	0	135.3	39.6	-0.8	74	0.00
	Haryana	7057	0	134.6	75.4	-1.3	110	0.00
	Rajasthan	15511	87	302.3	108.5	2.4	326	1.38
	Delhi	3642	0	66.5	59.8	-1.3	189	0.00
	UP	15484	0	292.3	65.4	-2.3	400	0.00
	Uttarakhand	2033	0	37.0	26.0	-0.2	120	0.00
	HP	1918	0	33.8	23.5	0.2	113	0.00
	J&K(UT) & Ladakh(UT)	2567	0	55.9	51.1	-0.9	196	0.84
WR	Chandigarh	205	0	3.4	3.5	-0.1	14	0.00
	Chhattisgarh	4078	0	87.8	32.1	-0.1	173	0.00
	Gujarat	18515	0	378.4	217.8	-15.9	531	0.00
	MP	15902	0	308.4	195.4	-3.9	451	0.00
	Maharashtra	25471	0	529.3	162.3	-1.9	788	0.00
	Goa	634	0	13.0	12.4	0.0	58	0.00
SR	DNHDDPDCL	1133	0	26.6	26.1	0.5	54	0.00
	AMNSIL	773	0	17.0	10.6	-0.1	286	0.00
	Andhra Pradesh	9698	0	191.2	74.4	1.1	799	0.00
	Telangana	10041	0	175.8	48.0	1.5	677	0.00
	Karnataka	12112	0	218.5	72.4	0.4	797	0.00
	Kerala	3943	0	76.9	54.5	0.4	244	0.00
	Tamil Nadu	14591	0	303.1	183.2	1.5	670	0.00
	Puducherry	392	0	8.7	8.1	-0.1	38	0.00
ER	Bihar	4453	0	76.8	67.1	-1.6	116	0.00
	DVC	3159	0	67.0	-42.6	-1.6	278	0.00
	Jharkhand	1465	0	26.0	17.5	-0.7	169	4.52
	Odisha	4851	0	93.5	28.5	-1.7	277	0.00
	West Bengal	6494	0	117.5	3.3	-1.1	156	0.00
NER	Sikkim	118	0	1.8	1.8	0.0	48	0.00
	Arunachal Pradesh	142	0	2.5	2.1	0.2	43	0.00
	Assam	1545	0	26.4	19.3	0.4	109	0.00
	Manipur	211	0	2.8	2.9	-0.1	15	0.00
	Meghalaya	378	0	6.7	5.6	0.1	42	0.00
	Mizoram	130	0	1.8	1.5	-0.2	11	0.00
	Nagaland	150	0	2.2	1.9	0.1	23	0.00
	Tripura	240	0	4.1	3.0	-0.2	34	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	4.1	2.0	-22.8
Day Peak (MW)	415.2	197.0	-1032.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	145.9	-89.5	113.3	-167.8	-1.9	0.0
Actual(MU)	139.2	-108.3	136.8	-171.5	-2.3	-6.0
O/D/U/D(MU)	-6.7	-18.7	23.5	-3.7	-0.4	-6.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7973	11046	8568	3570	844	32000	51
State Sector	7540	13637	7100	2160	121	30557	49
Total	15513	24682	15668	5730	964	62557	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	669	1284	519	539	10	3021	75
Lignite	34	11	40	0	0	85	2
Hydro	132	33	101	36	13	315	8
Nuclear	26	36	43	0	0	105	3
Gas, Naptha & Diesel	14	9	5	2	29	57	1
RES (Wind, Solar, Biomass & Others)	128	144	172	2	1	446	11
Total	1003	1516	881	577	53	4030	100

Share of RES in total generation (%)	12.73	9.48	19.48	0.37	1.53	11.07
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.53	13.99	35.91	6.57	25.47	21.49

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.056

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: 02-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	346	0.0	8.2	-8.2	
3	765 kV	GAYA-VARANASI	2	113	562	0.0	6.8	-6.8	
4	765 kV	SASARAM-FATEHPUR	1	0	25	0.0	0.0	0.0	
5	765 kV	GAYA-BALIA	1	0	584	0.0	11.7	-11.7	
6	400 kV	PUSAULI-VARANASI	1	0	229	0.0	4.7	-4.7	
7	400 kV	PUSAULI-ALLAHABAD	1	0	181	0.0	3.5	-3.5	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	704	0.0	9.5	-9.5	
9	400 kV	PATNA-BALIA	2	0	557	0.0	10.9	-10.9	
10	400 kV	NAUBATPUR-BALIA	2	0	601	0.0	11.6	-11.6	
11	400 kV	BIHARSHARIFF-BALIA	2	0	440	0.0	7.2	-7.2	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	474	0.0	6.9	-6.9	
13	400 kV	BIHARSHARIFF-VARANASI	2	9	242	0.0	3.5	-3.5	
14	220 kV	SINPUR-BIKRAMNASHA	1	0	105	0.0	1.4	-1.4	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	85.8	-85.4
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	639	297	1.7	0.0	1.7	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	411	531	0.4	0.0	0.4	
3	765 kV	JHARSUGUDA-DURG	2	0	456	0.0	7.3	-7.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	89	361	0.0	3.6	-3.6	
5	400 kV	RANCHI-SIPAT	2	132	201	0.0	0.5	-0.5	
6	220 kV	BUDHIPADAR-RAIGARH	1	19	105	0.0	1.1	-1.1	
7	220 kV	BUDHIPADAR-KORBA	2	140	38	1.2	0.0	1.2	
						ER-WR	3.3	12.4	-9.2
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	538	0.0	12.3	-12.3	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1986	0.0	45.5	-45.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2844	0.0	50.5	-50.5	
4	400 kV	TALCHER-T/C	2	0	686	0.0	12.7	-12.7	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	108.4	-108.4
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	262	0.0	4.2	-4.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	110	318	0.0	4.6	-4.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	51	0.0	0.4	-0.4	
						ER-NER	0.0	9.3	-9.3
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.1	-12.1	
						NER-NR	0.0	12.1	-12.1
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1526	0.0	35.2	-35.2	
2	HVDC	VINDHYACHAL B/B	-	227	0	6.1	0.0	6.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	1446	0	34.5	0.0	34.5	
4	765 kV	GWALIOR-AGRA	2	44	1125	0.1	13.6	-13.5	
5	765 kV	GWALIOR-PHAGI	2	0	1686	0.0	29.4	-29.4	
6	765 kV	JABALPUR-ORAI	2	0	607	0.0	21.6	-21.6	
7	765 kV	GWALIOR-ORAI	1	875	0	15.2	0.0	15.2	
8	765 kV	SATNA-ORAI	1	0	852	0.0	17.1	-17.1	
9	765 kV	BANASKANTHA-CHITORGARH	2	1860	138	19.6	0.0	19.6	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2347	0.0	40.0	-40.0	
11	400 kV	ZERDA-KANKROLI	1	288	50	2.5	0.0	2.5	
12	400 kV	ZERDA-JBHINMAL	1	465	214	2.3	0.0	2.3	
13	400 kV	VINDHYACHAL-RIHAND	1	971	0	21.9	1.9	21.9	
14	400 kV	RAPP-SHULIAPUR	2	435	339	1.9	0.0	1.9	
15	220 kV	BHANUPUR-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANUPUR-MORAK	1	0	30	0.0	1.5	-1.5	
17	220 kV	MEHGAON-AURAIYA	1	138	0	1.1	0.0	1.1	
18	220 kV	MALANPUR-AURAIYA	1	106	0	1.6	0.0	1.6	
19	132 kV	GWALIOR-SAWAIMADHOPUR	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	106.8	160.5	-53.7
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	693	0	12.5	0.0	12.5	
2	HVDC	RAIGARH-PUGALUR	2	0	2504	0.0	37.6	-37.6	
3	765 kV	SOLAPUR-RAICHUR	2	165	2091	0.1	20.0	-20.0	
4	765 kV	WARDHA-NIZAMABAD	2	0	2724	0.0	37.9	-37.9	
5	400 kV	KOLHAPUR-KUDCI	2	1066	0	17.2	0.0	17.2	
6	220 kV	KOLHAPUR-CHIKODI	1	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	108	2.1	0.0	2.1	
						WR-SR	31.8	95.6	-63.8
<b>INTERNATIONAL EXCHANGES</b>									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400KV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	84	0	0	0.01			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	327	206	211	5.07			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-1.26			
	NER	132KV GELEPHU-SALAKATI	5	0	1	0.03			
	NER	132KV MOTANGA-RANGIA	17	2	9	0.21			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-36	0	-7	-0.16			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	233	41	92	2.20			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-911	-670	-842	-20.21			
	NER	132KV COMILLA-SURAJMANI 1&2	-121	0	-109	-2.62			