



**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: 26<sup>th</sup> November 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 25.11.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-नवंबर-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 25<sup>th</sup> November 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: 26-Nov-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)	48037	55835	42189	19606	2626	168293
Peak Shortage (MW)	180	0	0	536	0	716
Energy Met (MU)	1082	1388	960	402	46	3879
Hydro Gen (MU)	130	33	90	38	14	305
Wind Gen (MU)	3	54	29	-	-	86
Solar Gen (MU)*	107.39	52.78	101.60	5.64	0.87	268
Energy Shortage (MU)	1.08	0.07	0.00	4.68	0.00	5.83
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54543	66321	46710	20196	2749	186898
Time Of Maximum Demand Met (From NLDC SCADA)	10:54	10:43	09:47	18:34	17:07	10:52

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	0.030	0.00	0.00	2.84	2.84	77.93	19.23

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	6966	0	138.2	51.8	-0.9	86	0.00
	Haryana	6879	0	134.9	74.7	0.2	282	0.00
	Rajasthan	15728	0	303.4	112.0	2.6	401	0.00
	Delhi	3678	0	68.0	61.3	-1.6	133	0.00
	UP	16047	0	305.3	81.6	2.0	482	0.00
	Uttarakhand	2064	0	38.4	26.2	1.1	169	0.15
	HP	1933	0	33.4	22.6	0.2	51	0.00
	J&K(UT) & Ladakh(UT)	2534	140	56.9	49.6	1.2	232	0.93
WR	Chandigarh	199	0	3.4	3.4	-0.1	15	0.00
	Chhattisgarh	4058	0	86.4	33.7	-0.2	201	0.00
	Gujarat	19386	0	398.0	238.5	-1.0	539	0.00
	MP	15784	0	309.4	188.6	-3.8	337	0.00
	Maharashtra	25610	0	537.5	160.7	1.5	637	0.00
	Goa	640	0	13.6	12.5	0.5	47	0.07
SR	DNHDDPDCL	1139	0	26.3	26.4	-0.1	87	0.00
	AMNSIL	773	0	16.9	10.7	0.0	258	0.00
	Andhra Pradesh	8639	0	182.2	70.6	0.4	597	0.00
	Telangana	9656	0	174.7	54.6	-0.9	449	0.00
	Karnataka	11139	0	206.2	68.8	-2.0	702	0.00
	Kerala	3866	0	75.9	56.5	0.8	242	0.00
	Tamil Nadu	14743	0	312.5	194.2	3.1	658	0.00
	Puducherry	396	0	8.9	8.3	-0.2	38	0.00
ER	Bihar	4371	0	82.6	68.2	2.8	236	0.15
	DVC	3239	0	69.0	-44.8	-0.3	309	0.00
	Jharkhand	1498	195	25.9	17.9	0.2	260	4.53
	Odisha	5155	0	100.8	24.8	-1.4	517	0.00
	West Bengal	6656	0	121.6	-4.1	-1.3	276	0.00
NER	Sikkim	113	0	1.8	1.4	0.5	56	0.00
	Arunachal Pradesh	134	0	2.2	1.9	0.0	21	0.00
	Assam	1556	0	26.7	19.2	0.5	97	0.00
	Manipur	211	0	2.9	3.0	-0.1	15	0.00
	Meghalaya	391	0	6.9	5.2	0.1	28	0.00
	Mizoram	122	0	1.8	1.7	-0.2	4	0.00
	Nagaland	164	0	2.2	1.9	0.0	35	0.00
	Tripura	227	0	3.8	2.5	-0.2	31	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	5.4	3.8	-15.8
Day Peak (MW)	353.8	263.0	-829.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	186.7	-59.3	87.8	-211.0	-4.2	0.0
Actual(MU)	175.5	-65.0	99.0	-208.7	-4.1	-3.3
O/D/U/D(MU)	-11.1	-5.8	11.2	2.3	0.1	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7717	12306	7018	2480	584	30104	49
State Sector	8530	12371	7730	2660	142	31432	51
Total	16247	24676	14748	5140	725	61536	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	652	1294	508	576	11	3041	75
Lignite	27	11	49	0	0	88	2
Hydro	131	33	90	38	14	305	8
Nuclear	26	32	65	0	0	123	3
Gas, Naptha & Diesel	14	7	6	0	30	57	1
RES (Wind, Solar, Biomass & Others)	130	108	181	6	1	425	11
Total	980	1486	899	619	56	4040	100

Share of RES in total generation (%)	13.26	7.25	20.15	0.91	1.55	10.53
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.29	11.62	37.35	7.00	26.89	21.14

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.019
Based on State Max Demands	1.047

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-Nov-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	2	0	348	0.0	6.9	-6.9	
3	765 kV	GAYA-VARANASI	2	0	708	0.0	11.4	-11.4	
4	765 kV	SASARAM-FATEHPUR	1	0	547	0.0	10.1	-10.1	
5	765 kV	GAYA-BALIA	1	0	679	0.0	12.2	-12.2	
6	400 kV	PUSAULI-VARANASI	1	32	251	0.0	3.9	-3.9	
7	400 kV	PUSAULI-ALLAHABAD	1	0	190	0.0	2.8	-2.8	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	786	0.0	13.5	-13.5	
9	400 kV	PATNA-BALIA	2	0	825	0.0	15.9	-15.9	
10	400 kV	NAUBATPUR-BALIA	2	0	742	0.0	12.1	-12.1	
11	400 kV	BIHARSHARIFF-BALIA	2	0	586	0.0	10.2	-10.2	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	527	0.0	9.4	-9.4	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	387	0.0	6.0	-6.0	
14	220 kV	SAHUPUR-KARMANASA	1	0	104	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	0.3	0.0	0.3	
17	132 kV	KARMANASA-SAHUPURI	1	0	22	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.3	115.7	-115.4
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	224	1060	0.0	7.3	-7.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	845	0.0	7.3	-7.3	
3	765 kV	JHARSUGUDA-DURG	2	0	469	0.0	8.5	-8.5	
4	400 kV	JHARSUGUDA-RAIGARH	4	80	342	0.0	3.1	-3.1	
5	400 kV	RANCHI-SIPAT	2	28	254	0.0	1.9	-1.9	
6	220 kV	BUDHIPADAR-RAIGARH	1	1	120	0.0	1.6	-1.6	
7	220 kV	BUDHIPADAR-KORBA	2	98	54	0.5	0.0	0.5	
						ER-WR	0.5	29.8	-29.3
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	550	0.0	10.0	-10.0	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1641	0.0	39.7	-39.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2659	0.0	46.1	-46.1	
4	400 kV	TALCHER-I/C	2	0	364	0.0	6.8	-6.8	
5	220 kV	BALMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	95.7	-95.7
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	244	0.0	3.6	-3.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	304	0.0	4.0	-4.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	29	0.0	0.4	-0.4	
						ER-NER	0.0	8.0	-8.0
<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	35.8	-35.8	
2	HVDC	VINDHYACHAL B/B	2	441	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	1444	0	23.9	0.0	23.9	
4	765 kV	GWALIOR-AGRA	2	0	1085	0.0	15.8	-15.8	
5	765 kV	GWALIOR-PHAGI	2	0	2020	0.0	38.0	-38.0	
6	765 kV	JABALPUR-ORAI	2	0	771	0.0	24.8	-24.8	
7	765 kV	GWALIOR-ORAI	1	954	0	17.2	0.0	17.2	
8	765 kV	SATNA-ORAI	1	0	927	0.0	18.5	-18.5	
9	765 kV	BANASKANTHA-CHITORGARH	2	2021	0	29.4	0.0	29.4	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1934	0.0	34.3	-34.3	
11	400 kV	ZERDA-KANKROLI	1	313	0	4.0	0.0	4.0	
12	400 kV	ZERDA-JBHINMAL	1	455	189	3.4	0.0	3.4	
13	400 kV	VINDHYACHAL-RIHAND	1	966	0	22.1	0.0	22.1	
14	400 kV	RAPP-SHULIAPUR	2	348	373	1.4	3.4	-2.0	
15	220 kV	BHANUPUR-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANUPUR-MORAK	2	0	30	0.0	1.8	-1.8	
17	220 kV	MEHGAON-AURAIYA	1	121	0	1.0	0.0	1.0	
18	220 kV	MALANPUR-AURAIYA	1	93	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	116.1	172.4	-56.3
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	293	0	7.2	0.0	7.2	
2	HVDC	RAIGARH-PUGALUR	2	0	3003	0.0	31.7	-31.7	
3	765 kV	SOLAPUR-RAICHUR	2	1428	1504	4.1	9.6	-5.6	
4	765 kV	WARDHA-NIZAMABAD	2	0	2039	0.0	30.9	-30.9	
5	400 kV	KOLHAPUR-KUDCI	2	1336	0	20.9	0.0	20.9	
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	119	2.3	0.0	2.3	
						WR-SR	34.4	72.3	-37.8
<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)	116	0	24	0.58			
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	260	0	241	5.79			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-0.97			
	NER	132KV GELEPHU-SALAKATI	12	-10	2	0.05			
	NER	132KV MOTANGA-RANGIA	6	-22	-4	-0.09			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.00			
	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	263	84	160	3.83			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-723	-484	-572	-13.74			
	NER	132KV COMILLA-SURAJMANJANAGAR 1&2	-106	0	-88	-2.10			