



**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: 09<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 08.11.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08<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: 09-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)	47543	56015	45431	21083	2748	172820
Peak Shortage (MW)	162	0	0	1171	0	1333
Energy Met (MU)	1033	1349	941	431	48	3802
Hydro Gen (MU)	149	51	130	63	20	413
Wind Gen (MU)	10	37	33	-	-	80
Solar Gen (MU)*	80.43	47.84	110.04	5.23	0.81	244
Energy Shortage (MU)	10.79	0.00	0.00	4.47	0.00	15.26
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49757	63949	45964	21329	2768	179562
Time Of Maximum Demand Met (From NLDC SCADA)	19:10	10:57	18:41	19:10	17:38	18:39

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	0.046	0.62	0.34	7.33	8.29	78.91	12.80

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	6201	0	123.2	31.8	-1.5	66	0.00
	Haryana	6265	0	128.5	66.8	-1.4	188	0.00
	Rajasthan	14120	548	282.3	128.4	2.1	328	9.18
	Delhi	3752	0	69.7	64.5	-2.7	148	0.00
	UP	16050	0	303.7	76.4	-0.9	421	0.09
	Uttarakhand	1872	0	36.0	23.8	0.5	201	0.43
	HP	1706	0	31.7	19.3	-0.1	53	0.00
	J&K(UT) & Ladakh(UT)	2626	190	54.9	46.2	1.0	455	1.09
	Chandigarh	185	0	3.3	3.4	-0.1	38	0.00
	WR	Chhattisgarh	4053	0	87.7	33.4	0.2	200
Gujarat		19267	0	394.5	245.8	-2.2	581	0.00
MP		14022	0	288.9	179.3	-3.5	577	0.00
Maharashtra		24593	0	521.1	162.3	2.4	852	0.00
Goa		661	0	12.8	13.2	-0.6	39	0.00
DNHDDPDCL		1200	0	27.2	27.2	0.0	62	0.00
AMNSIL		776	0	16.4	9.6	0.5	295	0.00
SR	Andhra Pradesh	9588	0	192.3	76.5	0.3	574	0.00
	Telangana	8792	0	174.2	14.9	0.3	460	0.00
	Karnataka	10959	0	203.9	67.6	0.2	919	0.00
	Kerala	3768	0	76.0	52.8	0.5	221	0.00
	Tamil Nadu	14494	0	285.9	168.5	2.4	1255	0.00
	Puducherry	390	0	8.9	8.2	0.0	62	0.00
ER	Bihar	4572	0	85.5	73.6	1.7	317	0.82
	DVC	3293	0	70.7	-40.7	-0.3	440	0.00
	Jharkhand	1558	386	28.2	18.7	0.6	420	3.65
	Odisha	5799	0	110.7	28.9	-1.1	747	0.00
	West Bengal	7034	0	133.9	-2.8	-0.6	337	0.00
	Sikkim	103	0	1.7	1.6	0.0	20	0.00
NER	Arunachal Pradesh	128	0	2.0	1.8	0.0	44	0.00
	Assam	1638	0	28.7	21.3	-0.2	96	0.00
	Manipur	209	0	2.7	2.6	0.1	28	0.00
	Meghalaya	379	0	6.8	4.5	0.1	53	0.00
	Mizoram	122	0	1.8	1.4	-0.2	6	0.00
	Nagaland	149	0	2.2	1.9	0.0	22	0.00
	Tripura	256	0	4.4	3.5	-0.2	38	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	10.4	7.8	-23.5
Day Peak (MW)	604.0	379.0	-1042.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	181.6	-39.2	60.1	-196.5	-5.9	0.0
Actual(MU)	187.6	-44.0	59.3	-198.8	-7.8	-3.7
O/D/U/D(MU)	6.0	-4.8	-0.7	-2.3	-1.8	-3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8567	13466	8748	2590	617	33988	48
State Sector	11280	14010	8203	2550	152	36194	52
Total	19847	27475	16951	5140	769	70181	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	626	1251	488	575	12	2952	75
Lignite	22	8	41	0	0	70	2
Hydro	142	51	131	63	20	406	10
Nuclear	26	28	69	0	0	123	3
Gas, Naptha & Diesel	16	5	5	0	30	56	1
RES (Wind, Solar, Biomass & Others)	96	86	192	5	1	380	10
Total	926	1429	925	643	63	3939	100

Share of RES in total generation (%)	5.51	5.99	20.77	0.81	1.29	8.44
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	24.57	11.54	42.29	10.54	33.64	21.86

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
Based on State Max Demands	1.061

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: 09-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	346	0.0	8.4	-8.4	
3	765 kV	GAYALYARANASI	2	0	916	0.0	16.7	-16.7	
4	765 kV	SASARAM-FATEHPUR	1	0	614	0.0	12.1	-12.1	
5	765 kV	GAYA-BALIA	1	0	557	0.0	9.5	-9.5	
6	400 kV	PUSAULI-VARANASI	1	0	210	0.0	4.2	-4.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	226	0.0	4.0	-4.0	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	969	0.0	19.0	-19.0	
9	400 kV	PATNA-BALIA	2	0	514	0.0	10.4	-10.4	
10	400 kV	NAUBATPUR-BALIA	2	0	545	0.0	10.7	-10.7	
11	400 kV	BIHARSHARIFF-BALIA	2	0	414	0.0	7.2	-7.2	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	558	0.0	11.3	-11.3	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	395	0.0	9.0	-9.0	
14	220 kV	SINPUR-BIKRAMNASHA	1	0	124	0.0	1.6	-1.6	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1	
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
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	0.5	124.0	-123.5
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	383	611	0.0	3.8	-3.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	348	715	0.0	0.7	-0.7	
3	765 kV	JHARSUGUDA-DURG	2	0	582	0.0	9.7	-9.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	490	0.0	5.7	-5.7	
5	400 kV	RANCHI-SIPAT	2	99	243	0.0	1.0	-1.0	
6	220 kV	BUDHIPADAR-RAIGARH	1	14	101	0.0	1.2	-1.2	
7	220 kV	BUDHIPADAR-KORBA	2	107	22	1.1	0.0	1.1	
						ER-WR	1.1	22.0	-20.9
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	754	0.0	15.5	-15.5	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2462	0.0	48.9	-48.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2076	0.0	22.6	-22.6	
4	400 kV	TALCHER-T/C	2	0	1168	0.0	15.9	-15.9	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	87.0	-87.0
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	8	279	0.0	3.3	-3.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	390	0.0	4.5	-4.5	
3	220 kV	ALIPURDUAR-SALAKATI	2	1	39	0.0	0.5	-0.5	
						ER-NER	0.0	8.2	-8.2
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	701	0.0	16.8	-16.8	
						NER-NR	0.0	16.8	-16.8
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	6	1	0.0	0.0	0.0	
2	HVDC	VINDHYACHAL B/B	2	438	53	8.5	0.7	7.9	
3	HVDC	MUNDRA-MOHENDERGARH	2	1441	0	27.9	0.0	27.9	
4	765 kV	GWALIOR-AGRA	2	149	1738	0.1	26.0	-25.9	
5	765 kV	GWALIOR-PHAGI	2	0	2432	0.0	49.4	-49.4	
6	765 kV	JABALPUR-ORAI	2	0	1061	0.0	34.8	-34.8	
7	765 kV	GWALIOR-ORAI	1	1151	0	20.8	0.0	20.8	
8	765 kV	SATNA-ORAI	1	0	1054	0.0	20.1	-20.1	
9	765 kV	BANASKANTHA-CHITTOORGARH	2	1748	0	23.4	0.0	23.4	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2065	0.0	29.4	-29.4	
11	400 kV	ZERDA-KANKROLI	1	273	10	3.0	0.0	3.0	
12	400 kV	ZERDA-BHINMAL	1	367	182	2.3	0.0	2.3	
13	400 kV	VINDHYACHAL-RIHAND	1	961	0	22.0	0.0	22.0	
14	400 kV	RAPP-SHULIAPUR	2	24	582	0.0	6.7	-6.7	
15	220 kV	BHANUPUR-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANUPUR-MORAK	2	0	30	0.0	1.0	-1.0	
17	220 kV	MEHGAON-AURAIYA	1	137	0	1.1	0.0	1.1	
18	220 kV	MALANPUR-AURAIYA	1	107	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	110.8	168.1	-57.3
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	493	1009	9.2	5.1	4.1	
2	HVDC	RAIGARH-PUGALUR	2	0	4502	0.0	63.3	-63.3	
3	765 kV	SOLAPUR-RAICHUR	2	2355	1097	27.3	1.3	26.0	
4	765 kV	WARDHA-NIZAMABAD	2	790	2008	4.7	9.4	-4.7	
5	400 kV	KOLHAPUR-KUDCI	2	1451	0	28.0	0.0	28.0	
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	107	2.1	0.0	2.1	
						WR-SR	71.2	79.0	-7.8
<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)	120	0	82	2.0			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	449	0	369	8.9			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	39	0	4	0.1			
	NER	132KV GELEPHU-SALAKATI	-10	0	-5	-0.1			
	NER	132KV MOTANGA-RANGIA	-25	0	-18	-0.4			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.0			
	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	379	213	327	7.8			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-909	-720	-865	-20.8			
	NER	132KV COMILLA-SURAJMANNAGAR 1&2	-133	0	-115	-2.8			