



**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: 13<sup>th</sup> Nov 2021

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 12.11.2021.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-नवंबर-2021 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 12<sup>th</sup> November 2021, 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: 13-Nov-2021

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)	46512	53470	37832	19694	2547	160055
Peak Shortage (MW)	100	0	0	165	0	265
Energy Met (MU)	944	1234	788	395	46	3407
Hydro Gen (MU)	134	35	128	63	15	375
Wind Gen (MU)	5	75	84	-	-	164
Solar Gen (MU)*	57.95	37.13	41.88	4.58	0.29	142
Energy Shortage (MU)	3.90	0.00	0.00	1.25	0.18	5.33
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47374	58333	39646	20212	2682	163358
Time Of Maximum Demand Met (From NLDC SCADA)	18:23	11:56	18:27	18:02	17:27	18:20

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	0.045	0.16	1.44	7.02	8.62	73.70	17.68

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	5986	0	116.5	52.1	-0.7	140	0.00
	Haryana	5884	0	117.0	84.3	0.0	156	0.00
	Rajasthan	13897	0	254.5	71.3	-0.6	264	0.00
	Delhi	3502	0	62.7	51.7	-1.3	148	0.00
	UP	15046	0	270.4	106.3	0.2	346	0.23
	Uttarakhand	1865	0	35.4	21.6	0.1	131	0.00
	HP	1694	0	30.3	19.4	0.1	208	0.22
	J&K(UT) & Ladakh(UT)	2849	0	54.3	46.7	1.2	612	3.45
	Chandigarh	177	0	3.1	3.8	-0.7	10	0.00
	Chhattisgarh	3475	0	76.3	37.9	0.2	170	0.00
WR	Gujarat	15791	0	340.1	211.1	1.0	665	0.00
	MP	12971	0	268.3	185.3	-1.5	530	0.00
	Maharashtra	23719	0	490.7	163.4	-2.7	692	0.00
	Goa	604	0	12.8	11.7	0.4	51	0.00
	DD	339	0	7.5	7.2	0.3	27	0.00
	DNH	822	0	18.9	19.0	-0.1	52	0.00
	AMNSIL	859	0	19.1	9.4	0.0	251	0.00
SR	Andhra Pradesh	7323	0	150.9	39.1	0.5	454	0.00
	Telangana	7862	0	155.0	40.7	-0.7	439	0.00
	Karnataka	9085	0	169.4	39.5	-4.3	452	0.00
	Kerala	3566	0	72.5	33.4	-1.2	179	0.00
	Tamil Nadu	12325	0	233.8	117.2	-0.7	912	0.00
	Puducherry	334	0	6.5	7.0	-0.5	48	0.00
ER	Bihar	4240	0	74.4	64.7	0.1	334	0.00
	DVC	3173	0	63.5	-30.1	-1.8	333	1.10
	Jharkhand	1519	0	28.3	23.1	-0.8	193	0.15
	Odisha	5355	0	104.4	45.2	-1.8	466	0.00
	West Bengal	6930	0	123.0	-2.7	0.4	409	0.00
	Sikkim	99	0	1.5	1.7	-0.2	42	0.00
NER	Arunachal Pradesh	128	0	2.3	2.1	0.1	33	0.00
	Assam	1570	0	26.2	22.0	-0.4	147	0.00
	Manipur	181	23	2.7	2.5	0.2	24	0.18
	Meghalaya	392	0	6.6	4.3	0.1	45	0.00
	Mizoram	114	0	1.7	1.4	-0.2	3	0.00
	Nagaland	140	0	2.5	2.1	0.2	17	0.00
	Tripura	248	0	4.2	2.7	-0.3	28	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	18.1	1.6	-18.1
Day Peak (MW)	819.0	157.0	-866.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	185.4	-52.9	31.1	-164.8	1.2	0.0
Actual(MU)	184.3	-30.8	16.3	-173.1	-0.5	-3.8
O/D/U/D(MU)	-1.1	22.1	-14.8	-8.3	-1.6	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7064	16165	11562	2175	689	37655	43
State Sector	13991	22137	10083	3683	11	49904	57
Total	21055	38301	21645	5858	701	87559	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	502	1079	405	531	13	2531	72
Lignite	27	11	30	0	0	68	2
Hvdro	134	35	128	63	15	375	11
Nuclear	27	33	64	0	0	125	4
Gas, Naptha & Diesel	16	10	9	0	23	57	2
RES (Wind, Solar, Biomass & Others)	77	113	150	5	0	344	10
Total	782	1280	786	599	52	3499	100
Share of RES in total generation (%)	9.81	8.79	19.04	0.77	0.56	9.83	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.41	14.09	43.53	11.30	29.53	24.10	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.030
Based on State Max Demands	1.066

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: 13-Nov-2021

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	249	0.0	5.9	-5.9	
3	765 kV	GAYA-VARANASI	2	127	718	0.0	7.5	-7.5	
4	765 kV	SASARAM-FATEHPUR	1	0	564	0.0	8.3	-8.3	
5	765 kV	GAYA-BALIA	1	0	465	0.0	9.5	-9.5	
6	400 kV	PUSAULI-VARANASI	1	0	178	0.0	3.4	-3.4	
7	400 kV	PUSAULI-ALLAHABAD	1	0	156	0.0	2.6	-2.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	835	0.0	13.8	-13.8	
9	400 kV	PATNA-BALIA	4	0	1073	0.0	17.6	-17.6	
10	400 kV	BIHARSHARIFF-BALIA	2	0	575	0.0	9.2	-9.2	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	433	0.0	6.7	-6.7	
12	400 kV	BIHARSHARIFF-VARANASI	2	36	354	0.0	3.9	-3.9	
13	220 kV	PUSAULI-SAHUPURI	1	36	69	0.0	0.5	-0.5	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	88.9	-88.6
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	71	1340	0.0	18.0	-18.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	603	684	0.0	3.3	-3.3	
3	765 kV	JHARSUGUDA-DURG	2	0	405	0.0	5.7	-5.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	49	580	0.0	8.4	-8.4	
5	400 kV	RANCHI-SIPAT	2	161	241	0.0	1.6	-1.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	53	73	0.0	0.4	-0.4	
7	220 kV	BUDHIPADAR-KORBA	2	148	40	1.2	0.0	1.2	
						ER-WR	1.2	37.3	-36.1
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	561	0.0	12.7	-12.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1646	0.0	39.7	-39.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2534	0.0	34.1	-34.1	
4	400 kV	TALCHER-I/C	2	274	613	3.9	0.0	3.9	
5	220 kV	BALIMEL-A-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	86.5	-86.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	292	0.0	3.5	-3.5	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	486	0.0	6.2	-6.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	90	0.0	1.2	-1.2	
						ER-NER	0.0	10.9	-10.9
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIAL-AGRA	2	0	503	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	1835	0.0	32.8	-32.8	
2	HVDC	VINDHYACHAL B/B	-	449	0	11.0	0.0	11.0	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	0	0.0	0.0	0.0	
4	765 kV	GWALIOR-AGRA	2	0	2144	0.0	34.4	-34.4	
5	765 kV	GWALIOR-PHAGI	2	0	2262	0.0	39.8	-39.8	
6	765 kV	JABALPUR-ORAI	2	584	465	0.0	19.6	-19.6	
7	765 kV	GWALIOR-ORAI	1	1446	0	26.2	0.0	26.2	
8	765 kV	SAINA-ORAI	1	0	735	0.0	16.1	-16.1	
9	765 kV	BANASKANTHA-CHITORGARH	2	1354	0	24.3	0.0	24.3	
10	765 kV	VINDHYACHAL-VARANASI	2	2282	2565	0.0	42.3	-42.3	
11	400 kV	ZERDA-KANKROLI	1	295	0	5.4	0.0	5.4	
12	400 kV	ZERDA-BHINMAL	1	357	0	6.1	0.0	6.1	
13	400 kV	VINDHYACHAL-RIHAND	1	973	0	21.8	0.0	21.8	
14	400 kV	RAPP-SHILAI PUR	2	103	387	0.2	3.5	-3.3	
15	220 kV	BHANPURA-RANPUR	1	139	27	1.4	0.0	1.4	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4	
17	220 kV	MEHGAON-AURAIYA	1	106	0	0.8	0.0	0.8	
18	220 kV	MALANPUR-AURAIYA	1	73	0	1.4	0.0	1.4	
19	132 kV	GWALIOR-SAWAL 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	98.8	190.0	-91.2
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	8	0.0	0.0	0.0	
2	HVDC	RAIGARH-PUGALUR	2	0	607	0.0	14.5	-14.5	
3	765 kV	SOLAPUR-RAICHUR	2	2190	1094	23.0	0.0	23.0	
4	765 kV	WARDHA-NIZAMABAD	2	728	1466	3.4	7.3	-4.0	
5	400 kV	KOLHAPUR-KUDGI	2	1182	0	18.0	0.0	18.0	
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	102	1.9	0.0	1.9	
						WR-SR	46.3	21.8	24.5

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)	215	0	190	4.6
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	473	456	460	11.1
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	93	0	78	1.9
	NER	132kV GELEPHU-SALAKATI	16	6	11	0.3
	NER	132kV MOTANGA-RANGIA	22	7	13	0.3
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.0
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	157	36	68	1.6
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-756	-504	-656	-15.7
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-110	0	-98	-2.4