



**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: 7<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 06.11.2021.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06<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: 07-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)	40710	43202	36737	19426	2504	142579
Peak Shortage (MW)	200	0	0	282	0	482
Energy Met (MU)	809	1034	793	391	44	3070
Hydro Gen (MU)	149	25	146	71	16	407
Wind Gen (MU)	6	56	33	-	-	95
Solar Gen (MU)*	56.47	36.23	87.50	5.28	0.31	186
Energy Shortage (MU)	3.87	0.00	0.00	2.43	0.09	6.39
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	41910	47451	38652	19640	2639	146302
Time Of Maximum Demand Met (From NLDC SCADA)	18:24	11:13	18:26	18:49	17:35	18:26

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	0.038	0.00	0.81	8.21	9.02	79.92	11.06

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	5547	0	101.6	52.8	-0.2	174	0.00
	Haryana	5037	0	95.8	75.5	-0.7	148	0.00
	Rajasthan	11767	0	211.6	64.0	0.1	438	0.00
	Delhi	2869	0	52.0	41.7	-1.7	80	0.00
	UP	13609	0	241.5	89.9	0.8	640	0.42
	Uttarakhand	1484	0	27.3	13.8	0.0	167	0.00
	HP	1437	0	25.5	12.4	-0.4	230	0.00
	J&K(UT) & Ladakh(UT)	2655	200	51.1	42.2	0.7	240	3.45
	Chandigarh	163	0	2.8	3.6	-0.8	13	0.00
	Chhattisgarh	3348	0	72.3	28.9	0.0	183	0.00
WR	Gujarat	11947	0	254.1	175.2	2.4	1148	0.00
	MP	11449	0	224.9	157.1	-1.6	454	0.00
	Maharashtra	20371	0	433.0	137.4	-1.6	666	0.00
	Goa	593	0	11.6	11.4	-0.3	32	0.00
	DD	222	0	4.6	4.2	0.4	41	0.00
	DNH	719	0	15.7	15.5	0.2	62	0.00
	AMNSIL	814	0	17.6	8.6	0.2	314	0.00
SR	Andhra Pradesh	7626	0	162.7	62.5	-0.6	436	0.00
	Telangana	7642	0	161.4	46.2	-0.8	412	0.00
	Karnataka	8228	0	165.6	26.0	-1.3	701	0.00
	Kerala	3619	0	73.3	34.6	-0.9	168	0.00
	Tamil Nadu	11412	0	222.5	141.2	-0.9	370	0.00
	Puducherry	356	0	7.1	7.5	-0.4	30	0.00
ER	Bihar	4406	0	78.7	67.4	2.2	408	0.85
	DVC	2992	115	65.0	-33.2	-0.9	307	0.83
	Jharkhand	1433	0	26.4	21.5	-1.1	172	0.75
	Odisha	5872	0	106.8	54.4	-2.2	473	0.00
	West Bengal	6108	0	112.9	-4.3	0.2	375	0.00
NER	Sikkim	76	0	1.1	1.3	-0.2	9	0.00
	Arunachal Pradesh	117	0	2.3	2.2	0.0	13	0.00
	Assam	1520	0	25.1	18.1	0.0	68	0.00
	Manipur	181	0	2.5	2.5	0.0	43	0.09
	Meghalaya	363	0	6.3	4.7	-0.1	22	0.00
	Mizoram	113	0	1.7	1.4	-0.2	16	0.00
	Nagaland	144	0	2.4	2.1	0.0	26	0.00
	Tripura	230	0	3.8	2.2	-0.5	22	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	21.3	1.4	-19.3
Day Peak (MW)	1003.0	110.0	-852.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	145.3	-44.4	47.3	-144.4	-3.9	0.0
Actual(MU)	130.8	-40.8	44.2	-139.2	-3.0	-7.9
O/D/U/D(MU)	-14.5	3.6	-3.1	5.2	0.9	-7.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7818	20185	10072	1320	559	39953	41
State Sector	16451	23019	12213	4853	11	56546	59
Total	24269	43204	22285	6173	570	96499	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	398	909	370	491	6	2174	69
Lignite	29	10	27	0	0	66	2
Hvdro	149	25	146	71	16	407	13
Nuclear	27	33	69	0	0	129	4
Gas, Naptha & Diesel	15	10	9	0	29	63	2
RES (Wind, Solar, Biomass & Others)	73	93	145	5	0	316	10
Total	691	1080	765	568	51	3155	100
Share of RES in total generation (%)	10.53	8.62	18.93	0.92	0.60	10.02	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	36.05	14.02	47.02	13.41	30.97	27.01	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.069

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: 07-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	751	0.0	12.4	-12.4
2	HVDC	PUSAULI B/B	-	0	249	0.0	6.1	-6.1
3	765 kV	GAYA-VARANASI	2	410	587	0.0	2.3	-2.3
4	765 kV	SASARAM-FATEHPUR	1	32	491	0.0	5.0	-5.0
5	765 kV	GAYA-BALIA	1	0	426	0.0	7.3	-7.3
6	400 kV	PUSAULI-VARANASI	1	0	184	0.0	3.7	-3.7
7	400 kV	PUSAULI-ALLAHABAD	1	0	152	0.0	2.2	-2.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	738	0.0	10.0	-10.0
9	400 kV	PATNA-BALIA	4	0	511	0.0	6.7	-6.7
10	400 kV	BIHARSHARIFF-BALIA	2	0	502	0.0	6.2	-6.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	376	0.0	4.6	-4.6
12	400 kV	BIHARSHARIFF-VARANASI	2	131	294	0.0	0.6	-0.6
13	220 kV	PUSAULI-SAHUPURI	1	36	62	0.0	0.0	0.0
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-CHANDAULI	1	0	0	0.0	0.0	0.0
						ER-NR	67.0	-66.6
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	498	695	0.0	3.0	-3.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	594	597	0.4	0.0	0.4
3	765 kV	JHARSUGUDA-DURG	2	40	346	0.0	3.8	-3.8
4	400 kV	JHARSUGUDA-RAIGARH	4	148	464	0.0	4.6	-4.6
5	400 kV	RANCHI-SIPAT	2	173	201	0.2	0.0	0.2
6	220 kV	BUDHIPADAR-RAIGARH	1	65	72	0.0	0.3	-0.3
7	220 kV	BUDHIPADAR-KORBA	2	149	0	1.5	0.0	1.5
						ER-WR	11.7	-9.5
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	605	0.0	12.6	-12.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1983	0.0	41.2	-41.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2820	0.0	45.1	-45.1
4	400 kV	TALCHER-I/C	2	276	642	0.0	0.8	-0.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
						ER-SR	98.9	-98.9
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	0	355	0.0	4.8	-4.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	371	0.0	4.0	-4.0
3	220 kV	ALIPURDUAR-SALAKATI	2	0	93	0.0	1.3	-1.3
						ER-NER	10.0	-10.0
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	704	0.0	13.5	-13.5
						NER-NR	13.5	-13.5
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	763	0.0	11.2	-11.2
2	HVDC	VINDHYACHAL B/B	-	229	199	3.1	1.5	1.6
3	HVDC	MUNDRAL-MOHENDERGARH	2	0	0	0.0	0.0	0.0
4	765 kV	GWALIOR-AGRA	2	0	1774	0.0	30.1	-30.1
5	765 kV	GWALIOR-PHAGI	2	0	2337	0.0	36.0	-36.0
6	765 kV	JABALPUR-ORAI	2	0	478	0.0	14.8	-14.8
7	765 kV	GWALIOR-ORAI	1	1311	0	24.0	0.0	24.0
8	765 kV	SATNA-ORAI	1	0	722	0.0	15.1	-15.1
9	765 kV	BANASKANTHA-CHITORGARH	2	1375	0	27.0	0.0	27.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	2302	0.0	43.9	-43.9
11	400 kV	ZERDA-KANKROLI	1	306	0	6.3	0.0	6.3
12	400 kV	ZERDA - BHNMAL	1	418	0	7.6	0.0	7.6
13	400 kV	VINDHYACHAL -RIHAND	1	973	0	22.0	0.0	22.0
14	400 kV	RAPP-SHUALPUR	2	85	381	0.1	3.0	-2.9
15	220 kV	BHANPURA-RANPUR	1	56	58	0.3	0.3	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.7	0.1	0.6
17	220 kV	MEHGAON-AURAIYA	1	94	0	0.9	0.0	0.9
18	220 kV	MALANPUR-AURAIYA	1	66	0	1.5	0.0	1.5
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	93.5	-62.6
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	398	0	9.4	0.0	9.4
2	HVDC	RAIGARH-PUGALUR	2	579	604	8.8	0.0	8.8
3	765 kV	SOLAPUR-RAICHUR	2	1412	1906	7.5	8.2	-0.7
4	765 kV	WARDHA-NIZAMABAD	2	0	2157	0.0	24.8	-24.8
5	400 kV	KOLHAPUR-KUDGI	2	1284	0	18.7	0.0	18.7
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	71	1.2	0.0	1.2
						WR-SR	45.5	33.1

INTERNATIONAL EXCHANGES				Import(+ve)/Export(-ve) Energy Exchange (MU)			
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)	271	0	251	6.0	
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	574	0	533	12.8	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	112	0	78	1.9	
	NER	132kV GELEPHU-SALAKATI	15	9	13	0.3	
	NER	132kV MOTANGA-RANGIA	31	8	15	0.4	
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.0	
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0	
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	110	49	60	1.4	
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-750	-630	-714	-17.1	
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-102	0	-90	-2.2	