



**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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 12<sup>th</sup> April 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 11.04.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-अप्रैल-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 11<sup>th</sup> April 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: 12-Apr-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 20:00 hrs; from RLDCs)	55400	59894	45606	24213	2469	192989
Peak Shortage (MW)	3283	2426	381	428	0	7844
Energy Met (MU)	1234	1466	1159	536	42	4437
Hydro Gen (MU)	198	77	100	74	11	460
Wind Gen (MU)	29	92	21	-	-	141
Solar Gen (MU)*	98.75	48.22	100.78	5.06	0.28	253
Energy Shortage (MU)	23.31	17.37	11.93	6.64	0.00	59.25
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56602	65981	56531	24642	2483	194436
Time Of Maximum Demand Met (From NLDC SCADA)	22:35	14:16	11:55	22:25	18:28	10:59

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	0.210	6.78	8.86	14.45	30.10	60.73	9.17

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	7477	0	158.5	57.8	-1.2	188	3.45
	Haryana	7134	0	150.1	108.7	2.1	135	7.46
	Rajasthan	12640	0	263.2	65.5	-1.5	456	4.14
	Delhi	5390	0	108.8	88.3	-0.9	137	0.00
	UP	20592	520	424.4	138.7	-1.7	382	3.00
	Uttarakhand	2041	0	41.7	25.3	0.2	139	0.61
	HP	1532	0	31.9	11.2	-0.3	213	0.00
	J&K(UT) & Ladakh(UT)	2163	250	50.5	36.1	-0.9	438	4.65
WR	Chandigarh	256	0	5.0	5.0	0.0	38	0.00
	Chhattisgarh	5104	17	120.6	62.7	1.2	416	5.03
	Gujarat	19978	0	426.2	211.0	-7.0	778	0.00
	MP	11757	0	268.8	135.3	4.4	1069	5.43
	Maharashtra	27513	332	591.6	151.7	5.2	1339	6.32
	Goa	631	0	13.5	12.7	0.3	72	0.59
	DD	351	0	7.7	7.4	0.3	80	0.00
	DNH	881	0	20.5	20.0	0.5	55	0.00
SR	AMNSIL	763	0	17.2	11.3	-0.6	243	0.00
	Andhra Pradesh	11362	518	209.4	78.7	1.3	795	11.93
	Telangana	12753	0	252.3	125.0	0.0	1178	0.00
	Karnataka	13802	0	270.5	91.5	0.2	732	0.00
	Kerala	3585	0	78.9	50.1	-0.8	206	0.00
	Tamil Nadu	15480	0	339.2	220.5	-0.2	572	0.00
	Puducherry	413	0	8.6	8.6	-0.1	34	0.00
	ER	Bihar	5884	0	114.1	106.2	1.2	663
DVC		3555	0	74.9	-35.7	3.1	601	3.77
Jharkhand		1619	0	33.4	25.1	-0.8	167	1.59
Odisha		5924	0	125.4	59.5	-1.4	324	0.43
West Bengal		9353	0	186.4	56.0	0.1	609	0.00
Sikkim		114	0	1.6	1.6	0.0	32	0.00
NER	Arunachal Pradesh	128	0	2.4	2.3	-0.1	24	0.00
	Assam	1463	0	23.2	18.0	-0.8	106	0.00
	Manipur	181	0	2.6	2.4	0.2	26	0.00
	Meghalaya	342	0	5.5	3.1	-0.3	23	0.00
	Mizoram	99	0	1.7	1.8	-0.2	0	0.00
	Nagaland	118	0	2.4	1.6	0.7	21	0.00
	Tripura	238	0	4.0	3.9	-0.3	40	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	17.0	-8.7	-26.3
Day Peak (MW)	936.0	-607.3	-1110.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	113.4	-158.2	174.1	-120.9	-8.4	0.0
Actual(MU)	94.2	-141.5	171.6	-115.7	-10.7	-2.1
O/D/U/D(MU)	-19.2	16.7	-2.5	5.1	-2.3	-2.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4240	13162	6588	965	1024	25978	45
State Sector	7489	15346	4655	4398	11	31897	55
Total	11729	28507	11243	5363	1035	57876	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	723	1379	653	611	18	3384	74
Lignite	19	5	41	0	0	65	1
Hydro	196	77	100	74	11	459	10
Nuclear	31	33	46	0	0	110	2
Gas, Naptha & Diesel	32	9	9	0	29	79	2
RES (Wind, Solar, Biomass & Others)	159	141	187	5	0	462	10
Total	1161	1644	1005	691	58	4558	100

Share of RES in total generation (%)	13.70	8.56	15.61	0.73	0.48	10.13
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.30	15.22	30.10	11.50	19.68	22.60

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.061
Based on State Max Demands	1.094

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: 12-Apr-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	-	4	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	137	572	0.0	7.3	-7.3
4	765 kV	SASARAM-FATEHPUR	1	0	389	0.0	7.7	-7.7
5	765 kV	GAYA-BALIA	1	27	502	0.0	6.9	-6.9
6	400 kV	PUSAULI-VARANASI	1	0	113	0.0	1.8	-1.8
7	400 kV	PUSAULI-ALLAHABAD	1	33	138	0.0	1.7	-1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	53	877	0.0	13.0	-13.0
9	400 kV	PATNA-BALIA	2	0	541	0.0	9.8	-9.8
10	400 kV	NAUBATPUR-BALIA	2	0	592	0.0	10.7	-10.7
11	400 kV	BHARSHARIFF-BALIA	2	61	436	0.0	5.0	-5.0
12	400 kV	MOTIHARI-GORAKHPUR	2	0	0	0.0	0.0	0.0
13	400 kV	BHARSHARIFF-VARANASI	2	1441	271	0.0	2.1	-2.1
14	220 kV	SAHUPUR-KARMANASA	1	0	159	0.0	2.7	-2.7
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						0.6	68.7	-68.1
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	14.1	0.0	14.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	833	529	2.1	0.0	2.1
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	5.1	-5.1
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	7.8	-7.8
5	400 kV	RANCHI-SIPAT	2	145	206	0.0	2.0	-2.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	129	0.0	2.2	-2.2
7	220 kV	BUDHIPADAR-KORBA	2	93	0	1.0	0.0	1.0
ER-WR						17.2	17.1	0.1
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	552	0.0	12.5	-12.5
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1992	0.0	46.7	-46.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2716	0.0	52.9	-52.9
4	400 kV	TALCHER-I/C	2	408	336	0.0	2.8	-2.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
ER-SR						0.0	112.1	-112.1
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	550	0	7.8	0.0	7.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	736	0	11.5	0.0	11.5
3	220 kV	ALIPURDUAR-SALAKATI	2	120	10	1.5	0.0	1.5
ER-NER						20.8	0.0	20.8
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	471	0	9.5	0.0	9.5
NER-NR						9.5	0.0	9.5
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURIKSHETRA	2	0	2	0.0	0.0	0.0
2	HVDC	VINDHYACHAL B/B	-	449	0	12.2	0.0	12.2
3	HVDC	MUNDA-MOHINDERGARH	2	0	504	0.0	12.0	-12.0
4	765 kV	GWALIOR-AGRA	2	262	1768	0.0	22.5	-22.5
5	765 kV	GWALIOR-PHAGI	2	423	1237	0.0	17.5	-17.5
6	765 kV	JABALPUR-ORAI	2	241	761	0.0	20.2	-20.2
7	765 kV	GWALIOR-ORAI	1	632	0	12.2	0.0	12.2
8	765 kV	SATNA-ORAI	1	0	994	0.0	18.7	-18.7
9	765 kV	BANASKANTHA-CHITORGARH	2	1194	245	12.4	0.0	12.4
10	765 kV	VINDHYACHAL-VARANASI	2	0	2123	0.0	33.9	-33.9
11	400 kV	ZERDA-KANKROLI	1	328	26	4.4	0.0	4.4
12	400 kV	ZERDA-BHINMAL	1	551	0	7.0	0.0	7.0
13	400 kV	VINDHYACHAL -RIHAND	1	476	0	11.0	0.0	11.0
14	400 kV	KAPP-SHUALPUR	2	809	237	2.8	0.0	2.8
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0
17	220 kV	MEHGAON-AURAIYA	1	110	0	1.2	0.0	1.2
18	220 kV	MALANPUR-AURAIYA	1	84	0	1.9	0.0	1.9
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
WR-NR						77.0	112.7	-35.7
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	515	0.0	12.0	-12.0
2	HVDC	RAIGARH-PUGALUR	2	0	3009	0.0	50.9	-50.9
3	765 kV	SOLAPUR-RAICHUR	2	198	1444	0.0	13.8	-13.8
4	765 kV	WARDHA-NIZAMABAD	2	0	2960	0.0	48.7	-48.7
5	400 kV	KOLHAPUR-KUDGI	2	1119	0	17.9	0.0	17.9
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	107	1.8	0.0	1.8
WR-SR						19.7	125.4	-105.7
<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)	316	0	227	5.5		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*150MW)	498	0	418	10.0		
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	117	0	81	2.0		
	NER	132kV GELEPHU-SALAKATI	-6	-1	-17	-0.4		
	NER	132kV MOTANGA-RANGIA	-25	0	-1	0.0		
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-1.2		
	ER	NEPAL IMPORT (FROM BIHAR)	-312	-34	-149	-3.6		
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-226	-73	-163	-3.9		
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-950	-943	-947	-22.7		
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-160	0	-149	-3.6		