



**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: 10<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 09.04.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 09<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: 10-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)	54831	61781	44912	23997	2638	188159
Peak Shortage (MW)	2024	1940	815	812	0	5591
Energy Met (MU)	1214	1502	1179	535	47	4477
Hydro Gen (MU)	197	63	98	79	16	453
Wind Gen (MU)	14	97	25	-	-	136
Solar Gen (MU)*	99.49	49.61	100.63	5.15	0.23	255
Energy Shortage (MU)	26.27	15.37	14.16	6.81	0.00	62.61
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56041	66491	57751	24380	2669	196544
Time Of Maximum Demand Met (From NLDC SCADA)	20:08	14:44	12:56	20:42	18:36	14:43

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	0.219	5.84	11.36	21.94	39.15	51.75	9.10

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	7463	0	158.9	53.2	-1.6	63	1.70
	Haryana	6920	85	146.6	102.7	-0.5	120	7.23
	Rajasthan	12843	0	262.9	66.1	1.0	302	6.64
	Delhi	4803	0	100.7	88.3	-1.5	214	0.00
	UP	20636	170	416.9	139.9	-1.5	560	4.76
	Uttarakhand	1978	0	41.6	25.5	0.2	180	1.19
	HP	1580	0	32.8	12.1	0.5	201	0.10
	J&K(UT) & Ladakh(UT)	2073	250	48.6	33.5	-0.5	154	4.65
	Chandigarh	229	0	4.6	4.5	0.0	26	0.00
	Chhattisgarh	5073	0	122.2	59.9	0.0	289	0.89
WR	Gujarat	20227	0	443.3	202.8	-4.8	434	0.00
	MP	11886	0	263.7	145.5	0.9	535	9.07
	Maharashtra	28095	622	611.9	166.7	0.6	756	4.98
	Goa	658	0	14.9	13.6	0.8	51	0.43
	DD	356	0	8.2	7.8	0.4	47	0.00
	DNH	880	0	20.5	20.3	0.2	85	0.00
	AMNSIL	766	0	16.8	10.8	-0.5	285	0.00
SR	Andhra Pradesh	10909	612	211.8	82.1	-0.7	486	14.16
	Telangana	13125	0	253.0	124.7	0.6	776	0.00
	Karnataka	14233	0	271.5	91.4	4.5	1452	0.00
	Kerala	3233	0	73.5	49.3	-0.7	323	0.00
	Tamil Nadu	16983	0	360.1	244.6	-5.1	512	0.00
	Puducherry	426	0	9.3	9.5	-0.2	54	0.00
ER	Bihar	5660	0	116.7	106.9	1.6	279	3.26
	DVC	3469	0	76.8	-42.1	0.9	404	1.07
	Jharkhand	1551	0	33.8	25.0	-0.5	177	2.49
	Odisha	5751	0	120.3	59.6	-1.3	391	0.00
	West Bengal	8863	0	186.9	51.0	0.1	260	0.00
NER	Sikkim	108	0	1.0	1.2	-0.2	42	0.00
	Arunachal Pradesh	121	0	2.3	2.5	-0.4	7	0.00
	Assam	1561	0	26.1	22.2	-0.8	135	0.00
	Manipur	198	0	2.8	2.8	-0.1	32	0.00
	Meghalaya	364	0	6.3	3.7	-0.1	66	0.00
	Mizoram	115	0	1.8	1.9	-0.3	11	0.00
	Nagaland	135	0	2.2	2.1	0.0	11	0.00
	Tripura	289	0	5.2	5.3	-0.2	74	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	18.6	-8.2	-26.1
Day Peak (MW)	1269.0	-714.0	-1116.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	94.2	-173.2	190.2	-105.3	-5.8	0.0
Actual(MU)	78.4	-161.2	186.0	-101.0	-7.4	-5.3
O/D/U/D(MU)	-15.8	12.1	-4.2	4.3	-1.6	-5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4600	14087	6168	2160	1049	28064	47
State Sector	7734	12998	5185	4008	11	29935	52
Total	12334	27085	11353	6168	1060	57999	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	738	1429	651	591	17	3426	75
Lignite	23	12	48	0	0	82	2
Hydro	197	63	98	79	16	453	10
Nuclear	31	33	46	0	0	110	2
Gas, Naptha & Diesel	20	9	11	0	28	67	1
RES (Wind, Solar, Biomass & Others)	147	147	157	5	0	457	10
Total	1155	1693	1010	675	61	4595	100

Share of RES in total generation (%)	12.70	8.70	15.57	0.76	0.38	9.94
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.44	14.35	29.81	12.52	26.14	22.18

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.055
Based on State Max Demands	1.087

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)

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Date of Reporting: 10-Apr-2022			
						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	-	3	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	186	585	0.0	5.3	-5.3	
4	765 kV	SASARAM-FATEHPUR	1	0	430	0.0	7.8	-7.8	
5	765 kV	GAYA-BALIA	1	0	505	0.0	7.4	-7.4	
6	400 kV	PUSAULI-VARANASI	1	6	88	0.0	1.0	-1.0	
7	400 kV	PUSAULI-ALLAHABAD	1	31	116	0.0	0.6	-0.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	281	812	0.0	8.9	-8.9	
9	400 kV	PATNA-BALIA	2	8	528	0.0	5.5	-5.5	
10	400 kV	NAUBATPUR-BALIA	2	26	580	0.0	6.6	-6.6	
11	400 kV	BIHARSHARIFF-BALIA	2	149	346	0.0	3.4	-3.4	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	0	0.0	0.0	0.0	
13	400 kV	BIHARSHARIFF-VARANASI	2	92	162	0.0	1.3	-1.3	
14	220 kV	SAHUPURI-KARMANASA	1	5	151	0.0	2.3	-2.3	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5	
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	50.1	-49.6
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	13.7	0.0	13.7	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	831	505	2.0	0.0	2.0	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	7.4	-7.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	7.9	-7.9	
5	400 kV	RANCHI-SIPAT	2	132	216	0.0	2.1	-2.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	9	114	0.0	1.7	-1.7	
7	220 kV	BUDHIPADAR-KORBA	2	139	0	1.8	0.0	1.8	
						ER-WR	17.4	19.1	-1.7
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEPPIRE-GAZUWAKA B/B	2	0	552	0.0	12.5	-12.5	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1994	0.0	43.2	-43.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2902	0.0	51.8	-51.8	
4	400 kV	TALCHER-I/C	2	439	161	2.0	0.0	2.0	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	107.4	-107.4
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	438	0	5.4	0.0	5.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	531	35	7.0	0.0	7.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	86	21	1.0	0.0	1.0	
						ER-NER	13.4	0.0	13.4
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	179	0	4.8	0.0	4.8	
						NER-NR	4.8	0.0	4.8
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3	0.0	0.0	0.0	
2	HVDC	VINDHYACHAL B/B	-	274	0	7.3	0.0	7.3	
3	HVDC	MUNDIRA-MOHINDERGARH	2	0	504	4.3	0.0	4.3	
4	765 kV	GWALIOR-AGRA	2	260	1492	0.5	17.2	-16.6	
5	765 kV	GWALIOR-PHAGI	2	505	1454	1.4	20.2	-18.9	
6	765 kV	JABALPUR-ORAI	2	377	733	0.0	15.1	-15.1	
7	765 kV	GWALIOR-ORAI	1	661	0	11.7	0.0	11.7	
8	765 kV	SATNA-ORAI	1	0	971	0.0	19.8	-19.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	1211	484	15.6	0.0	15.6	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2632	0.0	41.4	-41.4	
11	400 kV	ZERDA-KANKROLI	1	344	0	4.8	0.0	4.8	
12	400 kV	ZERDA-BHINMAL	1	561	0	7.3	0.0	7.3	
13	400 kV	VINDHYACHAL-RIHAND	1	961	0	20.1	0.0	20.1	
14	400 kV	RAPP-SHUALPUR	2	755	330	4.7	1.4	3.3	
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	118	2	1.0	0.0	1.0	
18	220 kV	MALANPUR-AURAIYA	1	98	0	1.8	0.0	1.8	
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	80.5	115.0	-34.6
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	19.4	-19.4	
2	HVDC	RAIGARH-PUGALUR	2	0	5018	0.0	72.3	-72.3	
3	765 kV	SOLAPUR-RAICHUR	2	1415	1493	2.3	16.2	-13.9	
4	765 kV	WARDHA-NIZAMABAD	2	13	2706	0.0	44.6	-44.6	
5	400 kV	KOLHAPUR-KUDGI	2	1418	0	19.9	0.0	19.9	
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	120	2.4	0.0	2.4	
						WR-SR	24.6	152.5	-127.9
<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)	509	0	288	6.9			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE -BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	586	0	430	10.3			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	162	0	93	2.2			
	NER	132kV GELEPHU-SALAKATI	15	2	6	0.2			
	NER	132kV MOTANGA-RANGIA	51	0	28	0.7			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-66	0	-46	-1.1			
	ER	NEPAL IMPORT (FROM BIHAR)	-300	-30	-127	-3.1			
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-348	-71	-167	-4.0			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-942	-931	-936	-22.5			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-174	0	-152	-3.6			