



**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: 07<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 06.04.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06<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: 07-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)	54201	61627	46721	23990	2543	189082
Peak Shortage (MW)	1968	1415	760	0	60	4203
Energy Met (MU)	1164	1489	1200	528	47	4428
Hydro Gen (MU)	187	75	110	63	18	453
Wind Gen (MU)	8	64	27	-	-	99
Solar Gen (MU)*	101.37	50.22	107.14	5.19	0.21	264
Energy Shortage (MU)	30.29	8.32	24.21	12.29	0.09	75.20
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55338	65483	58780	24210	2763	195874
Time Of Maximum Demand Met (From NLDC SCADA)	20:23	15:05	12:28	20:17	18:32	11:23

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	0.269	10.17	13.63	24.14	47.95	47.88	4.18

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	6752	750	147.1	51.1	-1.5	173	10.90
	Haryana	6949	193	138.7	88.7	0.1	284	7.57
	Rajasthan	12349	0	254.3	58.9	-1.0	321	1.98
	Delhi	4675	0	97.9	85.9	-0.7	139	0.00
	UP	20544	90	405.1	134.5	-1.6	1095	2.28
	Uttarakhand	1867	0	37.5	21.9	0.2	144	2.91
	HP	1620	0	32.0	12.6	0.6	402	0.00
	J&K(UT) & Ladakh(UT)	2176	250	46.8	34.1	1.9	597	4.65
	Chandigarh	228	0	4.6	4.8	-0.2	24	0.00
	Chhattisgarh	5072	0	123.4	57.0	-0.1	229	0.00
WR	Gujarat	19560	0	428.3	208.0	1.9	664	0.00
	MP	11926	400	263.8	138.6	0.2	678	4.22
	Maharashtra	28465	305	615.4	166.5	1.7	922	3.88
	Goa	650	0	14.1	13.8	0.0	47	0.00
	DD	358	0	8.0	7.2	0.8	114	0.00
	DNH	886	0	20.2	18.7	1.5	197	0.22
	AMNSIL	751	0	16.2	9.1	0.4	313	0.00
SR	Andhra Pradesh	11770	1300	205.9	69.6	4.2	1004	24.21
	Telangana	13331	0	265.7	155.4	-1.3	694	0.00
	Karnataka	14175	0	271.3	89.1	1.5	865	0.00
	Kerala	3443	0	80.4	52.5	-1.2	315	0.00
	Tamil Nadu	16758	0	367.6	248.3	2.3	1105	0.00
	Puducherry	433	0	9.3	9.5	-0.3	29	0.00
ER	Bihar	5868	0	112.7	111.3	-0.9	411	7.44
	DVC	3617	0	80.3	-49.7	-0.8	392	0.00
	Jharkhand	1570	0	34.1	24.7	-0.2	172	4.85
	Odisha	5313	0	113.5	48.6	-1.7	324	0.00
	West Bengal	8839	0	185.3	68.1	1.0	503	0.00
NER	Sikkim	111	0	1.8	1.7	0.1	37	0.00
	Arunachal Pradesh	139	0	2.4	2.5	-0.2	30	0.00
	Assam	1561	0	26.8	21.5	0.2	119	0.09
	Manipur	197	0	2.6	2.7	-0.1	23	0.00
	Meghalaya	357	0	6.2	3.4	-0.1	56	0.00
	Mizoram	117	0	1.8	1.9	-0.3	7	0.00
	Nagaland	135	0	2.2	2.1	0.0	12	0.00
	Tripura	294	0	5.2	4.7	0.1	40	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	13.3	-8.8	-26.2
Day Peak (MW)	814.0	-506.6	-1103.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	60.6	-183.8	221.5	-88.8	-9.5	0.0
Actual(MU)	33.1	-173.1	222.8	-84.3	-10.4	-11.8
O/D/U/D(MU)	-27.4	10.7	1.3	4.6	-1.0	-11.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3569	13762	6318	2370	1061	27079	46
State Sector	8174	12971	6982	3398	11	31535	54
Total	11743	26732	13300	5768	1072	58614	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	740	1446	610	581	17	3394	75
Lignite	18	13	53	0	0	84	2
Hvdro	187	75	110	63	18	453	10
Nuclear	32	33	46	0	0	110	2
Gas, Naptha & Diesel	26	6	9	0	28	68	2
RES (Wind, Solar, Biomass & Others)	142	115	165	5	0	428	9
Total	1144	1688	993	650	63	4538	100
Share of RES in total generation (%)	12.41	6.84	16.60	0.80	0.33	9.42	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.49	13.21	32.32	10.57	29.27	21.84	

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)

Date of Reporting: 07-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	3	0	0	0.0	0.0	0.0	
3	765 kV	GAYALYARANASI	2	103	435	0.0	4.5	-4.5	
4	765 kV	SASARAM-FATEHPUR	1	0	385	0.0	5.3	-5.3	
5	765 kV	GAYA-BALIA	1	0	492	0.0	7.0	-7.0	
6	400 kV	PUSAULI-VARANASI	1	74	111	0.0	0.9	-0.9	
7	400 kV	PUSAULI-ALLAHABAD	1	82	70	0.3	0.0	0.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	425	544	0.0	4.2	-4.2	
9	400 kV	PATNA-BALIA	2	0	446	0.0	6.3	-6.3	
10	400 kV	NAUBATPUR-BALIA	2	0	483	0.0	6.8	-6.8	
11	400 kV	BIHARSHARIFF-BALIA	2	268	195	0.0	0.6	-0.6	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	0	0.0	0.0	0.0	
13	400 kV	BIHARSHARIFF-VARANASI	2	159	196	0.0	1.4	-1.4	
14	220 kV	SINPUR-BIKRAMNASHA	1	0	158	0.0	0.0	0.0	
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	0.8	37.0	-36.2
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	26.0	0.0	26.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	717	636	0.1	0.0	0.1	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	9.4	-9.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	6.2	-6.2	
5	400 kV	RANCHI-SIPAT	2	123	202	0.0	1.8	-1.8	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	158	0.0	2.8	-2.8	
7	220 kV	BUDHIPADAR-KORBA	2	168	0	2.8	0.0	2.8	
						ER-WR	29.0	20.3	8.7
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	579	0.0	12.7	-12.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2478	0.0	41.9	-41.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3232	0.0	59.7	-59.7	
4	400 kV	TALCHER-I/C	2	729	1117	0.4	0.4	0.4	
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	114.3	-114.3
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	526	27	5.6	0.0	5.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	731	64	8.6	0.0	8.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	125	21	1.3	0.0	1.3	
						ER-NER	15.6	0.0	15.6
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	193	0	4.4	0.0	4.4	
						NER-NR	4.4	0.0	4.4
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1003	0.0	16.6	-16.6	
2	HVDC	VINDHYACHAL B/B	2	318	0	7.6	0.0	7.6	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	0	0.0	0.0	0.0	
4	765 kV	GWALIOR-AGRA	2	472	1198	1.6	10.5	-8.9	
5	765 kV	GWALIOR-PHAGI	2	577	1158	1.9	13.7	-11.9	
6	765 kV	JABALPUR-ORAI	2	329	597	0.0	9.5	-9.5	
7	765 kV	GWALIOR-ORAI	1	572	0	11.0	0.0	11.0	
8	765 kV	SATNA-ORAI	1	0	861	0.0	16.7	-16.7	
9	765 kV	BANASKANTHA-CHITORGARH	2	1783	0	25.3	0.0	25.3	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2373	0.0	33.7	-33.7	
11	400 kV	ZERDA-KANKROLI	1	445	0	6.6	0.0	6.6	
12	400 kV	ZERDA-BHINMAL	1	727	0	8.6	0.0	8.6	
13	400 kV	VINDHYACHAL-RIHAND	1	981	0	22.3	0.0	22.3	
14	400 kV	RAPP-SHULIAPUR	2	806	174	6.7	0.5	6.2	
15	220 kV	BHANUPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANUPURA-MORAK	1	0	30	0.0	0.0	0.0	
17	220 kV	MEHGAON-AURAIYA	1	122	0	1.0	0.0	1.0	
18	220 kV	MALANPUR-AURAIYA	1	94	1	2.2	0.0	2.2	
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	94.6	101.2	-6.6
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	18.8	-18.8	
2	HVDC	RAIGARH-PUGALUR	2	0	5017	0.0	71.7	-71.7	
3	765 kV	SOLAPUR-RAICHUR	2	0	2351	0.0	26.6	-26.6	
4	765 kV	WARDHA-NIZAMABAD	2	0	3601	0.0	62.8	-62.8	
5	400 kV	KOLHAPUR-KUDCI	2	1455	0	20.6	0.0	20.6	
6	220 kV	KOLHAPUR-CHIKODI	1	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	125	2.2	0.0	2.2	
						WR-SR	22.9	179.9	-157.0
<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)	287	0	213	5.1			
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	408	0	308	7.4			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	115	46	53	1.3			
	NER	132kV GELEPHU-SALAKATI	-7	5	-1	0.0			
	NER	132kV MOTANGA-RANGIA	-32	-12	19	0.5			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-54	0	-40	-1.0			
	ER	NEPAL IMPORT (FROM BIHAR)	-288	-21	-133	-3.2			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-165	-104	-165	-4.7			
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-944	-939	-940	-22.6			
	NER	132kV COMILLA-SURAJMANJANAGAR 1&2	-159	0	-151	-3.6			