



**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: 16<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 15.04.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-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 15<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: 16-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)	55880	61330	42970	24509	2076	186765
Peak Shortage (MW)	1387	0	786	0	0	2173
Energy Met (MU)	1209	1499	1067	540	36	4350
Hydro Gen (MU)	179	36	67	68	11	362
Wind Gen (MU)	16	119	36	-	-	171
Solar Gen (MU)*	100.27	49.71	96.98	5.20	0.51	253
Energy Shortage (MU)	18.72	1.47	22.09	1.14	0.00	43.42
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56760	66563	53649	25361	2251	192533
Time Of Maximum Demand Met (From NLDC SCADA)	19:32	15:33	11:56	23:55	18:41	11:32

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	0.050	0.50	1.48	8.24	10.22	73.97	15.81

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	7443	0	152.5	68.8	-1.1	101	2.65
	Haryana	7852	13	156.7	106.3	-1.2	229	0.72
	Rajasthan	13006	0	263.0	72.4	-2.6	314	3.65
	Delhi	4975	0	104.7	90.1	-1.7	109	0.00
	UP	20378	430	406.6	138.0	-1.3	448	6.20
	Uttarakhand	1925	0	40.7	24.5	1.3	230	0.85
	HP	1495	0	30.7	11.5	1.9	472	0.00
	J&K(UT) & Ladakh(UT)	2204	150	50.1	35.6	2.3	259	4.65
	Chandigarh	224	0	4.6	4.9	-0.3	18	0.00
	WR	Chhattisgarh	5226	0	123.7	62.8	-1.3	307
Gujarat		19509	0	428.6	216.1	0.3	1024	0.00
MP		12196	0	278.1	143.6	-2.6	528	0.00
Maharashtra		27232	0	609.8	196.6	-1.3	971	1.47
Goa		660	0	14.1	12.9	0.8	83	0.00
DD		360	0	8.1	8.1	0.0	18	0.00
DNH		870	0	20.2	20.6	-0.4	36	0.00
SR	AMNSIL	758	0	16.2	10.4	-0.7	242	0.00
	Andhra Pradesh	11385	984	211.6	90.9	1.7	672	22.09
	Telangana	13636	0	239.6	110.9	0.3	819	0.00
	Karnataka	11581	0	213.2	64.2	-1.0	643	0.00
	Kerala	3544	0	69.6	49.0	-0.5	214	0.00
	Tamil Nadu	14832	0	324.1	209.3	-2.3	692	0.00
	Puducherry	420	0	8.8	9.0	-0.3	26	0.00
ER	Bihar	6400	0	118.8	113.9	-2.4	310	1.09
	DVC	3561	0	78.5	-47.9	-0.3	349	0.00
	Jharkhand	1791	0	36.6	30.0	-2.4	129	0.05
	Odisha	5647	0	116.9	51.8	-1.6	403	0.00
	West Bengal	9334	0	187.1	64.5	-2.0	408	0.00
NER	Sikkim	110	0	1.7	1.6	0.2	47	0.00
	Arunachal Pradesh	99	0	1.5	2.3	-0.7	6	0.00
	Assam	1305	0	19.8	14.5	-0.4	80	0.00
	Manipur	174	0	1.9	2.3	-0.4	23	0.00
	Meghalaya	286	0	4.7	4.0	-0.1	50	0.00
	Mizoram	97	0	1.5	1.7	-0.3	2	0.00
	Nagaland	126	0	1.7	1.7	-0.1	24	0.00
	Tripura	253	0	4.8	4.4	-0.2	32	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	11.7	-3.5	-23.2
Day Peak (MW)	540.0	-145.0	-1108.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	132.5	-153.0	144.8	-112.6	-11.8	0.0
Actual(MU)	123.6	-138.0	136.0	-113.6	-15.8	-7.7
O/D/U/D(MU)	-8.9	15.0	-8.8	-1.0	-4.0	-7.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3694	12987	5668	770	1020	24139	45
State Sector	8659	12368	5627	2300	95	29048	55
Total	12353	25354	11295	3070	1115	53187	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	719	1411	607	616	17	3370	76
Lignite	20	7	48	0	0	74	2
Hvdro	179	36	67	68	11	362	8
Nuclear	26	33	46	0	0	104	2
Gas, Naptha & Diesel	19	7	8	0	29	64	1
RES (Wind, Solar, Biomass & Others)	145	170	168	5	1	489	11
Total	1109	1663	944	689	58	4462	100
Share of RES in total generation (%)	13.07	10.21	17.84	0.76	0.89	10.95	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.60	14.33	29.79	10.67	19.77	21.39	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.063
Based on State Max Demands	1.095

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: 16-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	2	3	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	0	700	0.0	8.9	-8.9
4	765 kV	SASARAM-FATEHPUR	1	0	500	0.0	8.4	-8.4
5	765 kV	GAYA-BALIA	1	0	545	0.0	8.6	-8.6
6	400 kV	PUSAULI-VARANASI	1	6	93	0.0	1.0	-1.0
7	400 kV	PUSAULI-ALLAHABAD	1	5	160	0.0	1.5	-1.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	53	1057	0.0	13.8	-13.8
9	400 kV	PATNA-BALIA	2	0	654	0.0	10.8	-10.8
10	400 kV	NAUBATPUR-BALIA	2	0	713	0.0	11.1	-11.1
11	400 kV	BIHARSHARIFF-BALIA	2	41	504	0.0	5.6	-5.6
12	400 kV	MOTIHARI-GORAKHPUR	2	0	0	0.0	0.0	0.0
13	400 kV	BIHARSHARIFF-VARANASI	2	0	353	0.0	4.6	-4.6
14	220 kV	SAHUPUR-KARMANASA	1	0	177	0.0	4.3	-4.3
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	2.1	-2.1
16	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3
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	0.7	-78.0
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	12.5	0.0	12.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	937	535	5.7	0.0	5.7
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	3.3	-3.3
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	8.2	-8.2
5	400 kV	RANCHI-SIPAT	2	149	221	0.0	0.9	-0.9
6	220 kV	BUDHIPADAR-RAIGARH	1	0	150	0.0	2.4	-2.4
7	220 kV	BUDHIPADAR-KORBA	2	171	4	1.3	0.0	1.3
						ER-WR	19.5	4.7
<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	1988	0.0	40.0	-40.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	3144	0.0	52.2	-52.2
4	400 kV	TALCHER-I/C	2	294	277	0.0	2.1	-2.1
5	220 kV	BALMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
						ER-SR	0.0	-104.6
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	656	0	9.2	0.0	9.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	927	0	14.3	0.0	14.3
3	220 kV	ALIPURDUAR-SALAKATI	2	164	0	2.4	0.0	2.4
						ER-NER	25.9	0.0
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	471	0	10.7	0.0	10.7
						NER-NR	10.7	0.0
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPAKURUKSHETRA	2	0	2	0.0	0.0	0.0
2	HVDC	VINDHYACHAL B/B	2	448	0	12.2	0.0	12.2
3	HVDC	MUNDRA-MOHENDERGARH	2	0	502	0.0	11.7	-11.7
4	765 kV	GWALIOR-AGRA	2	0	1913	0.0	28.2	-28.2
5	765 kV	GWALIOR-PHAGI	2	76	1649	0.1	23.3	-23.2
6	765 kV	JABALPUR-ORAI	2	94	928	0.0	25.9	-25.9
7	765 kV	GWALIOR-ORAI	1	681	0	12.5	0.0	12.5
8	765 kV	SATNA-ORAI	1	0	1079	0.0	21.5	-21.5
9	765 kV	BANASKANTHA-CHITORGARH	2	1201	154	14.5	0.2	14.4
10	765 kV	VINDHYACHAL-VARANASI	2	0	2686	0.0	43.3	-43.3
11	400 kV	ZERDA-KANKROLI	1	308	4	3.4	0.0	3.4
12	400 kV	ZERDA-BHINMAL	1	560	75	5.1	0.0	5.1
13	400 kV	VINDHYACHAL-RIHAND	1	965	0	22.1	0.0	22.1
14	400 kV	RAPP-SHULIAPUR	2	551	429	2.9	4.1	-1.2
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	93	0	0.9	0.0	0.9
18	220 kV	MALANPUR-AURAIYA	1	65	0	1.6	0.0	1.6
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	86.9	-59.6
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	16.3	-16.3
2	HVDC	RAIGARH-PUGALUR	2	0	3510	0.0	32.7	-32.7
3	765 kV	SOLAPUR-RAICHUR	2	1184	1596	4.6	11.6	-7.0
4	765 kV	WARDHA-NIZAMABAD	2	0	3155	0.0	43.6	-43.6
5	400 kV	KOLHAPUR-KUDCI	2	1428	0	23.6	0.0	23.6
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	120	2.5	0.0	2.5
						WR-SR	30.7	-73.5
<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)	242	0	191	4.6		
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	299	0	257	6.2		
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	44	0	20	0.5		
	NER	132KV GELEPHU-SALAKATI	-12	0	-7	-0.2		
	NER	132KV MOTANGA-RANGIA	24	0	-14	-0.3		
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-73	0	-47	-1.1		
	ER	NEPAL IMPORT (FROM BIHAR)	201	10	119	2.8		
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	-273	-96	-216	-5.2		
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-948	-487	-819	-19.7		
		132KV COMILLA-SURAJMANJANAGAR 1&2	-160	0	-146	-3.5		