



**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: 8<sup>th</sup> May 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 07.05.2022.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-मई-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 7<sup>th</sup> May 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: 08-May-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)	59781	59089	44593	22351	3010	188824
Peak Shortage (MW)	0	1371	0	271	0	1642
Energy Met (MU)	1367	1480	1056	513	55	4471
Hydro Gen (MU)	219	35	63	60	13	390
Wind Gen (MU)	21	95	61	-	-	177
Solar Gen (MU)*	103.57	51.77	107.25	5.22	0.64	268
Energy Shortage (MU)	9.73	16.90	0.00	3.91	0.15	30.69
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	61838	66785	49058	23623	3023	199773
Time Of Maximum Demand Met (From NLDC SCADA)	22:46	15:40	14:56	22:54	19:03	14:47

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	0.045	0.00	0.98	9.92	10.90	71.50	17.60

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	9013	0	200.3	94.3	-1.0	111	0.00
	Haryana	8563	0	187.4	115.2	-0.1	210	0.00
	Rajasthan	14539	0	279.7	77.3	0.2	302	6.74
	Delhi	5426	0	110.7	96.1	-2.1	130	0.00
	UP	22426	0	452.8	182.4	-0.4	466	0.98
	Uttarakhand	2074	0	45.7	28.7	-0.2	156	0.00
	HP	1584	0	35.3	13.7	-0.5	25	0.00
	J&K(UT) & Ladakh(UT)	2359	0	50.4	33.6	0.8	262	2.01
WR	Chandigarh	249	0	5.2	5.3	-0.1	11	0.00
	Chhattisgarh	4738	0	110.7	57.3	-1.6	169	0.00
	Gujarat	20337	0	437.4	210.6	-2.6	401	0.00
	MP	12236	0	262.1	145.3	0.0	716	16.90
	Maharashtra	27216	0	607.1	197.8	0.7	909	0.00
	Goa	684	0	14.9	14.6	-0.2	57	0.00
	DD	352	0	7.9	8.0	-0.1	19	0.00
	DNH	870	0	20.4	20.4	0.0	47	0.00
SR	AMNSIL	873	0	19.0	9.4	0.2	284	0.00
	Andhra Pradesh	9765	0	194.2	78.2	-0.8	538	0.00
	Telangana	9879	0	197.0	67.3	0.2	522	0.00
	Karnataka	10730	0	219.2	33.8	-0.8	682	0.00
	Kerala	4139	0	84.6	65.6	0.4	163	0.00
	Tamil Nadu	16224	0	352.3	216.7	-4.5	615	0.00
	Puducherry	453	0	8.9	9.6	-0.8	48	0.00
	ER	Bihar	5879	254	115.2	107.0	-0.8	388
DVC		3517	0	77.1	-43.9	0.2	250	0.00
Jharkhand		1445	0	31.8	21.9	0.9	199	2.08
Odisha		5628	0	114.4	41.4	-0.7	533	0.00
West Bengal		8373	0	172.8	50.4	-0.6	236	0.00
Sikkim		101	0	1.6	1.4	0.1	49	0.00
NER	Assam	1895	0	35.0	29.4	-0.3	178	0.15
	Manipur	195	0	2.5	2.5	0.0	26	0.00
	Meghalava	329	0	5.5	2.6	0.0	37	0.00
	Mizoram	106	0	1.9	1.9	0.0	9	0.00
	Nagaland	149	0	2.2	2.4	-0.2	14	0.00
	Tripura	294	0	5.7	3.2	-0.1	64	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	9.5	-5.2	-20.6
Day Peak (MW)	555.0	-298.0	-1007.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	212.4	-168.1	72.4	-118.1	1.3	0.0
Actual(MU)	213.1	-147.4	50.5	-119.8	-0.1	-3.7
O/D/U/D(MU)	0.8	20.7	-21.9	-1.8	-1.5	-3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4149	10699	4828	1800	575	22051	47
State Sector	6234	10761	5329	2040	68	24431	53
Total	10383	21459	10157	3840	643	46482	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	739	1420	658	608	15	3440	75
Lignite	22	16	51	0	0	89	2
Hydro	219	35	63	60	13	390	8
Nuclear	25	33	46	0	0	104	2
Gas, Naptha & Diesel	21	10	8	0	30	69	1
RES (Wind, Solar, Biomass & Others)	152	148	195	5	1	501	11
Total	1179	1662	1020	673	59	4592	100

Share of RES in total generation (%)	12.92	8.91	19.09	0.78	1.09	10.91
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.63	12.99	29.74	9.68	23.12	21.65

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
Based on State Max Demands	1.065

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: 08-May-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	
3	765 kV	GAYA-VARANASI	2	77	367	0.0	3.3	-3.3	
4	765 kV	SASARAM-FATEHPUR	1	0	332	0.0	6.3	-6.3	
5	765 kV	GAYA-BALIA	1	0	519	0.0	9.7	-9.7	
6	400 kV	PUSAULI-VARANASI	1	66	31	0.3	0.0	0.3	
7	400 kV	PUSAULI -ALLAHABAD	1	46	99	0.0	0.7	-0.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	12	606	0.0	8.1	-8.1	
9	400 kV	PATNA-BALIA	2	0	510	0.0	10.0	-10.0	
10	400 kV	NAUBATPUR-BALIA	2	0	549	0.0	10.3	-10.3	
11	400 kV	BIHARSHARIFF-BALIA	2	27	402	0.0	4.4	-4.4	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	497	0.0	8.4	-8.4	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	249	0.0	3.4	-3.4	
14	220 kV	SAHPURI-KARAMNANA	1	0	145	0.0	2.1	-2.1	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
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	0.7	66.6	-66.0
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	1.6	0.0	1.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	737	191	6.5	0.0	6.5	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	1.3	-1.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	12.9	-12.9	
5	400 kV	RANCHI-SIPAT	2	115	122	0.0	0.6	-0.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	118	0.0	2.0	-2.0	
7	220 kV	BUDHIPADAR-KORBA	2	81	20	0.8	0.0	0.8	
						ER-WR	8.9	16.7	-7.7
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZI WAKA B/B	2	0	445	0.0	9.4	-9.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1337	0.0	27.8	-27.8	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2388	0.0	42.2	-42.2	
4	400 kV	TALCHER-I/C	2	931	0	17.4	0.0	17.4	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	79.3	-79.3
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	55	288	0.0	3.8	-3.8	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	32	487	0.0	6.0	-6.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	98	0.0	1.5	-1.5	
						ER-NER	0.0	11.3	-11.3
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.1	-12.1	
						NER-NR	0.0	12.1	-12.1
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPRA-KURUKSHETRA	2	0	2519	0.0	61.3	-61.3	
2	HVDC	VINDHYACHAL B/B	-	449	0	8.6	0.0	8.6	
3	HVDC	MUNDRA-MOHINDERGARH	2	736	0	17.6	0.0	17.6	
4	765 kV	GWALIOR-AGRA	2	0	1616	0.0	27.9	-27.9	
5	765 kV	GWALIOR-PHAGI	2	0	1501	0.0	23.4	-23.4	
6	765 kV	JABALPUR-ORAI	2	0	745	0.0	25.9	-25.9	
7	765 kV	GWALIOR-ORAI	1	605	0	10.9	0.0	10.9	
8	765 kV	SATNA-ORAI	1	0	980	0.0	21.2	-21.2	
9	765 kV	BANASKANTHA-CHITORGARH	2	826	212	7.6	0.0	7.6	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3013	0.0	55.8	-55.8	
11	400 kV	ZERDA-KANKROLI	1	261	0	3.6	0.0	3.6	
12	400 kV	ZERDA-BHINMAL	1	470	0	5.9	0.0	5.9	
13	400 kV	VINDHYACHAL-RIHAND	1	963	0	21.9	0.0	21.9	
14	400 kV	RAPP-SHUALPUR	2	272	219	1.8	1.6	0.2	
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	75	0	0.5	0.0	0.5	
18	220 kV	MALANPUR-AURAIYA	1	47	0	1.2	0.0	1.2	
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	79.5	217.0	-137.5
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	13.8	-13.8	
2	HVDC	RAIGARH-PUGALLUR	2	576	747	0.0	0.2	-0.2	
3	765 kV	SOLAPUR-RAICHUR	2	1379	1427	5.7	8.1	-2.4	
4	765 kV	WARDHA-NIZAMABAD	2	0	2019	0.0	27.1	-27.1	
5	400 kV	KOLHAPUR-KUDGI	2	1452	0	23.9	0.0	23.9	
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	XELDAM-AMBEWADI	1	0	123	2.6	49.2	2.6	
						WR-SR	32.2	49.2	-17.0

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

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)	185	0	159	3.8
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	249	154	205	4.9
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	117	38	57	1.4
	NER	132kV GELEPHU-SALAKATI	-11	0	-7	-0.2
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-80	0	-67	-1.6
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-218	0	-148	-3.6
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-925	-737	-822	-19.7
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-82	0	-38	-0.9