



**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: 3<sup>rd</sup> July 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 02.07.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-जुलाई-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 2<sup>nd</sup> July 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: 03-Jul-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)	61934	51085	42331	23419	3086	181855
Peak Shortage (MW)	0	0	0	126	65	191
Energy Met (MU)	1406	1203	986	519	61	4174
Hydro Gen (MU)	354	24	55	121	35	589
Wind Gen (MU)	18	105	215	-	-	339
Solar Gen (MU)*	57.42	35.55	95.64	5.07	0.72	194
Energy Shortage (MU)	0.18	0.00	0.00	0.59	0.62	1.39
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	65866	52013	44640	23929	3101	184218
Time Of Maximum Demand Met (From NLDC SCADA)	22:30	19:52	10:06	23:37	20:37	20:44

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	0.041	0.00	1.11	10.62	11.73	81.59	6.68

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	12606	0	277.7	176.6	-1.2	193	0.00
	Haryana	9779	0	206.0	133.0	0.4	370	0.00
	Rajasthan	10390	0	235.1	65.0	-1.9	507	0.00
	Delhi	5651	0	109.1	102.5	-5.7	262	0.00
	UP	21805	0	437.6	217.3	-1.3	497	0.00
	Uttarakhand	2169	0	47.8	26.8	0.1	165	0.03
	HP	1611	0	34.1	0.9	0.3	201	0.00
	J&K(UT) & Ladakh(UT)	2652	150	52.0	28.7	-1.6	396	0.15
	Chandigarh	301	0	6.2	6.0	0.1	30	0.00
	Chhattisgarh	4466	0	102.9	47.9	-1.3	298	0.00
WR	Gujarat	15689	0	357.5	205.8	2.0	848	0.00
	MP	9157	0	209.2	98.9	0.0	470	0.00
	Maharashtra	21169	0	476.1	153.2	-1.1	746	0.00
	Goa	609	0	11.9	11.8	0.0	57	0.00
	DNHDDPDCL	1147	0	26.7	26.5	0.2	74	0.00
	AMNSIL	813	0	18.3	11.0	1.0	245	0.00
	Andhra Pradesh	8907	0	195.0	35.1	1.0	720	0.00
SR	Telangana	9092	0	174.1	84.7	-0.9	576	0.00
	Karnataka	10152	0	195.5	51.0	-2.1	839	0.00
	Kerala	3358	0	69.1	51.4	-0.4	170	0.00
	Tamil Nadu	16128	0	342.7	136.5	-3.4	691	0.00
	Puducherry	456	0	9.7	9.7	0.0	74	0.00
	Bihar	6049	110	116.3	104.0	1.5	451	0.59
ER	DVC	3279	0	73.0	-36.8	-0.5	220	0.00
	Jharkhand	1435	0	31.0	26.5	-1.2	154	0.00
	Odisha	5255	0	115.2	57.9	-1.0	340	0.00
	West Bengal	8490	0	182.3	59.7	-0.2	356	0.00
	Sikkim	84	0	1.4	1.1	0.3	28	0.00
	Assam	2117	0	40.3	31.0	0.7	191	0.00
NER	Arunachal Pradesh	121	0	2.6	2.2	0.0	24	0.00
	Manipur	182	0	2.6	2.6	0.0	21	0.00
	Meghalaya	290	65	5.4	0.4	0.2	62	0.62
	Mizoram	101	0	1.8	1.4	-0.1	12	0.00
	Nagaland	156	0	2.4	2.5	-0.1	21	0.00
	Tripura	300	0	5.5	4.6	0.2	57	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	41.5	7.6	-23.9
Day Peak (MW)	1958.0	339.8	-1044.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	257.9	-112.7	7.0	-147.2	-5.0	0.0
Actual(MU)	259.7	-96.7	-19.8	-136.3	-8.7	-1.7
O/D/U/D(MU)	1.8	16.0	-26.8	10.9	-3.6	-1.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3445	13926	5998	2305	822	26495	43
State Sector	7665	16441	8920	1912	211	35148	57
Total	11110	30366	14918	4217	1033	61644	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	687	1105	498	570	16	2875	66
Lignite	28	12	62	0	0	101	2
Hydro	357	24	55	121	35	592	14
Nuclear	29	33	67	0	0	130	3
Gas, Naptha & Diesel	16	5	8	0	23	52	1
RES (Wind, Solar, Biomass & Others)	92	141	353	5	1	591	14
Total	1208	1320	1042	696	75	4341	100

Share of RES in total generation (%)	7.58	10.69	33.84	0.74	0.96	13.62
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.55	15.00	45.52	18.12	48.05	30.23

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.029
Based on State Max Demands	1.064

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: 03-Jul-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	1002	0.0	23.4	-23.4	
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.2	-1.2	
3	765 kV	GAYA-VARANASI	2	122	313	0.0	1.9	-1.9	
4	765 kV	SASARAM-FATEHPUR	1	0	384	0.0	7.2	-7.2	
5	765 kV	GAYA-BALIA	1	0	631	0.0	11.1	-11.1	
6	400 kV	PUSAULI-VARANASI	1	11	35	0.0	0.3	-0.3	
7	400 kV	PUSAULI-ALLAHABAD	1	0	69	0.0	0.9	-0.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	844	0.0	16.0	-16.0	
9	400 kV	PATNA-BALIA	2	0	620	0.0	12.4	-12.4	
10	400 kV	NAUBATPUR-BALIA	2	0	657	0.0	13.4	-13.4	
11	400 kV	BIHARSHARIF-BALIA	2	0	539	0.0	7.9	-7.9	
12	400 kV	MOTHARI-GORAKHPUR	2	0	457	0.0	7.9	-7.9	
13	400 kV	BIHARSHARIF-VARANASI	2	5	237	0.0	3.0	-3.0	
14	220 kV	SAHUPURI-KARAMNANA	1	0	158	0.0	2.7	-2.7	
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-CHANDALI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.5	109.3	-108.8
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	14.4	0.0	14.4	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	996	321	14.1	0.0	14.1	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	2.4	-2.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	7.2	-7.2	
5	400 kV	RANCHI-SIPAT	2	101	253	0.3	0.0	0.3	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	72	0.0	1.4	-1.4	
7	220 kV	BUDHIPADAR-KORBA	2	146	15	1.2	0.0	1.2	
						ER-WR	29.9	11.1	18.8
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	335	0	8.5	0.0	8.5	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1653	0.0	33.4	-33.4	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2957	0.0	52.5	-52.5	
4	400 kV	TALCHER-I/C	2	710	0	11.7	0.0	11.7	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	8.5	86.0	-77.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	482	0.0	6.5	-6.5	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	14	538	0.0	5.5	-5.5	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	137	0.0	1.9	-1.9	
						ER-NER	0.0	13.8	-13.8
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1005	0.0	24.3	-24.3	
						NER-NR	0.0	24.3	-24.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1530	0.0	36.2	-36.2	
2	HVDC	VINDHYACHAL B/B	-	91	0	2.4	0.0	2.4	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1517	0.0	20.2	-20.2	
4	765 kV	GWALIOR-AGRA	2	394	1413	0.4	21.6	-21.2	
5	765 kV	GWALIOR-PHAGI	2	0	1482	0.0	22.7	-22.7	
6	765 kV	JABALPUR-ORAI	2	0	760	0.0	20.7	-20.7	
7	765 kV	GWALIOR-ORAI	1	521	0	10.3	0.0	10.3	
8	765 kV	SATNA-ORAI	1	0	984	0.0	20.3	-20.3	
9	765 kV	BANASKANTHA-CHITTOGARH	2	1872	0	21.9	0.0	21.9	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2796	0.0	52.0	-52.0	
11	400 kV	ZERDA-KANKROLI	1	252	0	3.7	0.0	3.7	
12	400 kV	ZERDA-BHINMAL	1	421	0	5.9	0.0	5.9	
13	400 kV	VINDHYACHAL-RIHAND	1	960	0	21.8	0.0	21.8	
14	400 kV	RAPP-SHUJALPUR	2	0	0	0.0	0.0	0.0	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.2	-2.2	
17	220 kV	MEHGAON-AURAIYA	1	115	0	0.7	0.0	0.7	
18	220 kV	MALANPUR-AURAIYA	1	84	0	1.3	0.0	1.3	
19	132 kV	GWALIOR-SAWALMADHOPUR	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	68.4	196.0	-127.6
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	987	329	14.5	2.7	11.8	
2	HVDC	RAIGARH-PUGALUR	0	2876	0	50.7	0.0	50.7	
3	765 kV	SOLAPUR-RAICHUR	2	1347	1463	5.7	8.6	-2.9	
4	765 kV	WARDHA-NIZAMABAD	2	0	2694	0.0	37.0	-37.0	
5	400 kV	KOLHAPUR-KUDGI	2	1601	0	25.4	0.0	25.4	
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	106	1.9	0.0	1.9	
						WR-SR	48.4	49.8	-1.4

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)	596	0	531	12.8
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*70MW)	1142	1097	1115	26.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	202	0	154	3.7
	NER	132kV GELEPHU-SALAKATI	-39	0	-18	-0.4
	NER	132kV MOTANGA-RANGIA	-47	0	-36	-0.9
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-62	0	-19	-0.5
	ER	NEPAL IMPORT (FROM BIHAR)	-7	-2	-4	-0.1
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	409	275	342	8.2
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-926	-871	-897	-21.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-118	0	-101	-2.4