



**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: 05<sup>th</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 05.07.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05<sup>th</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: 06-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)	67581	51633	41459	24547	3219	188439
Peak Shortage (MW)	1033	0	40	1201	62	2336
Energy Met (MU)	1606	1192	971	553	64	4386
Hydro Gen (MU)	361	28	80	120	32	620
Wind Gen (MU)	5	93	252	-	-	350
Solar Gen (MU)*	106.39	34.16	73.98	5.35	0.72	221
Energy Shortage (MU)	16.30	0.00	0.24	7.94	0.62	25.10
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	71537	51711	46111	25657	3246	190386
Time Of Maximum Demand Met (From NLDC SCADA)	13:46	19:33	10:46	22:51	19:04	11:57

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	0.048	0.45	0.58	7.93	8.96	72.67	18.38

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	13928	0	312.5	184.4	-0.6	116	0.00
	Haryana	11780	0	249.7	175.3	1.1	303	1.33
	Rajasthan	12000	0	254.7	72.5	-0.6	374	2.71
	Delhi	6983	0	140.6	129.5	-0.6	174	0.00
	UP	23548	540	506.6	251.5	2.3	741	10.38
	Uttarakhand	2255	75	48.6	29.3	0.8	199	1.75
	HP	1690	0	35.5	-1.5	-0.6	88	0.13
	J&K(UT) & Ladakh(UT)	2579	0	50.7	29.4	-3.2	163	0.00
	Chandigarh	395	0	7.8	7.7	0.1	50	0.00
	Chhattisgarh	4487	0	103.3	49.1	0.4	235	0.00
WR	Gujarat	16329	0	352.5	201.3	-2.9	940	0.00
	MP	9716	0	205.5	88.9	0.0	551	0.00
	Maharashtra	21517	0	471.5	157.3	1.4	1040	0.00
	Goa	554	0	11.8	11.7	0.2	92	0.00
	DNHDDPDCL	1183	0	27.4	27.4	0.0	79	0.00
SR	AMNSIL	884	0	19.9	11.0	0.2	239	0.00
	Andhra Pradesh	9358	0	191.1	19.1	0.1	909	0.00
	Telangana	8957	0	170.6	96.2	0.1	483	0.00
	Karnataka	9998	0	183.3	43.4	-2.3	820	0.00
	Kerala	3241	0	65.9	38.3	0.3	214	0.00
	Tamil Nadu	15618	0	351.1	122.8	-2.6	833	0.00
	Puducherry	431	0	9.4	9.3	0.0	56	0.24
ER	Bihar	6506	291	130.6	117.7	1.7	496	4.69
	DVC	3530	0	76.9	-47.1	0.3	357	0.00
	Jharkhand	1416	215	34.1	24.0	2.0	129	3.25
	Odisha	5394	0	115.5	51.6	0.4	331	0.00
	West Bengal	9316	0	194.5	67.9	2.0	474	0.00
NER	Sikkim	97	0	1.5	1.6	-0.1	24	0.00
	Arunachal Pradesh	131	0	2.4	2.3	-0.3	26	0.00
	Assam	2187	0	43.5	34.8	0.7	150	0.00
	Manipur	189	0	2.6	2.6	0.0	23	0.00
	Meghalaya	275	13	5.4	-0.1	0.1	38	0.61
	Mizoram	100	0	1.6	1.3	-0.2	44	0.00
	Nagaland	149	0	2.7	2.3	0.0	21	0.00
	Tripura	302	10	5.5	5.4	0.8	97	0.01

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	35.1	5.4	-25.1
Day Peak (MW)	1792.0	354.5	-1076.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	317.7	-170.1	-14.8	-135.8	3.0	0.0
Actual(MU)	326.4	-167.1	-45.2	-122.4	-1.7	-10.0
O/D/U/D(MU)	8.7	3.0	-30.5	13.4	-4.6	-10.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2790	12360	7598	2305	589	25642	42
State Sector	7520	16581	9810	1952	191	36053	58
Total	10309	28940	17408	4257	781	61695	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	765	1181	478	575	17	3015	66
Lignite	29	10	53	0	0	92	2
Hydro	363	28	80	120	32	623	14
Nuclear	29	33	67	0	0	129	3
Gas, Naptha & Diesel	20	8	9	0	23	60	1
RES (Wind, Solar, Biomass & Others)	128	127	362	5	1	623	14
Total	1334	1387	1050	699	73	4543	100

Share of RES in total generation (%)	9.58	9.15	34.49	0.76	0.99	13.71
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.01	13.53	48.56	17.85	45.20	30.28

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.041
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: 06-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	1001	0.0	24.6	-24.6	
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.3	-1.3	
3	765 kV	GAYA-VARANASI	2	185	308	0.0	1.2	-1.2	
4	765 kV	SASARAM-FATEHPUR	1	0	313	0.0	5.5	-5.5	
5	765 kV	GAYA-BALIA	1	0	819	0.0	13.3	-13.3	
6	400 kV	PUSAULI-VARANASI	1	44	46	0.0	0.0	0.0	
7	400 kV	PUSAULI-ALLAHABAD	1	0	101	0.0	1.1	-1.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	759	0.0	13.9	-13.9	
9	400 kV	PATNA-BALIA	2	0	565	0.0	10.8	-10.8	
10	400 kV	NAUBATPUR-BALIA	2	0	596	0.0	11.4	-11.4	
11	400 kV	BIHARSHARIFF-BALIA	2	0	480	0.0	8.6	-8.6	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	434	0.0	7.2	-7.2	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	246	0.0	3.6	-3.6	
14	220 kV	SINPUR-BIKRAMNASHA	1	0	159	0.0	2.7	-2.7	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.1	-0.1	
16	132 kV	GARWAH-RIHAND	1	25	0	0.0	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	0.4	105.1	-104.7
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	13.6	0.0	13.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1459	139	22.4	0.0	22.4	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	2.3	-2.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	3.6	-3.6	
5	400 kV	RANCHI-SIPAT	2	277	98	3.9	0.0	3.9	
6	220 kV	BUDHIPADAR-RAIGARH	1	3	96	0.0	1.2	-1.2	
7	220 kV	BUDHIPADAR-KORBA	2	121	19	1.2	0.0	1.2	
						ER-WR	41.1	7.1	34.0
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	493	0	12.2	0.0	12.2	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1589	0.0	30.2	-30.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2581	0.0	45.8	-45.8	
4	400 kV	TALCHER-I/C	2	316	241	3.2	0.0	3.2	
5	220 kV	BALMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	12.2	76.1	-63.9
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	588	0.0	9.2	-9.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	690	0.0	9.6	-9.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	159	0.0	2.5	-2.5	
						ER-NER	0.0	21.3	-21.3
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1006	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	1770	0.0	69.9	-69.9	
2	HVDC	VINDHYACHAL B/B	-	442	0	9.6	0.0	9.6	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	512	0.0	12.2	-12.2	
4	765 kV	GWALIOR-AGRA	2	123	2345	0.1	35.3	-35.3	
5	765 kV	GWALIOR-PHAGI	2	0	1712	0.0	24.3	-24.3	
6	765 kV	JABALPUR-ORAI	2	0	1150	0.0	34.3	-34.3	
7	765 kV	GWALIOR-ORAI	1	534	0	9.5	0.0	9.5	
8	765 kV	SATNA-ORAI	1	0	1157	0.0	22.8	-22.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	1597	141	15.5	0.0	15.5	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3622	0.0	65.9	-65.9	
11	400 kV	ZERDA-KANKROLI	1	315	47	2.9	0.0	2.9	
12	400 kV	ZERDA-JBHINMAL	1	534	64	4.6	0.1	4.5	
13	400 kV	VINDHYACHAL-RIHAND	1	961	0	21.9	0.0	21.9	
14	400 kV	RAPP-SHILAI PUR	2	170	632	0.5	5.1	-4.6	
15	220 kV	BHANUPUR-RANPUR	1	0	1	0.0	0.0	0.0	
16	220 kV	BHANUPUR-MORAK	1	0	30	0.0	2.7	-2.7	
17	220 kV	MEHGAON-AURAIYA	1	102	0	0.5	0.1	0.4	
18	220 kV	MALANPUR-AURAIYA	1	69	15	1.2	0.0	1.2	
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	66.2	272.6	-206.4
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	987	0	19.1	0.0	19.1	
2	HVDC	RAIGARH-PUGALUR	2	2874	0	61.9	0.0	61.9	
3	765 kV	SOLAPUR-RAICHUR	2	1254	1368	5.5	4.6	1.0	
4	765 kV	WARDHA-NIZAMABAD	2	0	2888	0.0	39.8	-39.8	
5	400 kV	KOLHAPUR-KUDCI	2	1627	0	29.3	0.0	29.3	
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	1	97	1.6	0.0	1.6	
						WR-SR	117.5	44.3	73.2
<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)	587	0	541	13.0			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1041	0	871	20.9			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	196	0	105	2.5			
	NER	132KV GELEPHU-SALAKATI	42	14	20	0.5			
	NER	132KV MOTANGA-RANGIA	49	0	35	0.8			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-74	0	-50	-1.2			
	ER	NEPAL IMPORT (FROM BIHAR)	43	2	-19	-0.5			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	385	193	293	7.0			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-911	-872	-894	-21.5			
		132KV COMILLA-SURAJMANJANAGAR 1&2	-165	0	-153	-3.7			