



**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: 25<sup>th</sup> June 2022

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 24.06.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-जून-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 24<sup>TH</sup> June 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: 25-Jun-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)	65153	54423	43037	24687	3019	190319
Peak Shortage (MW)	26	0	0	62	0	88
Energy Met (MU)	1524	1281	991	542	57	4395
Hydro Gen (MU)	239	29	51	114	32	464
Wind Gen (MU)	5	70	209	-	-	283
Solar Gen (MU)*	111.59	47.93	106.00	4.14	0.47	270
Energy Shortage (MU)	10.54	0.00	0.00	1.26	0.44	12.24
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	69227	54728	45725	25445	3024	192836
Time Of Maximum Demand Met (From NLDC SCADA)	22:49	15:38	10:00	00:01	19:20	11:20

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	0.053	0.00	0.50	14.63	15.13	69.73	15.15

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	13243	0	283.3	153.4	-0.6	109	0.00
	Haryana	10508	0	217.0	140.4	0.3	265	0.50
	Rajasthan	12594	0	267.5	70.2	0.0	296	4.58
	Delhi	5614	0	116.3	105.6	-1.2	168	0.00
	UP	24274	190	496.6	232.7	2.1	354	2.98
	Uttarakhand	2372	0	50.0	32.3	1.1	180	1.72
	HP	1685	0	35.6	13.5	1.5	145	0.17
	J&K(UT) & Ladakh(UT)	2264	30	51.7	31.6	1.9	260	0.59
	Chandigarh	302	0	6.0	6.1	0.0	32	0.00
	Chhattisgarh	4048	0	97.6	47.4	-0.1	357	0.00
WR	Gujarat	18973	0	406.1	204.9	-1.8	690	0.00
	MP	9578	0	215.6	98.6	0.0	551	0.00
	Maharashtra	22338	0	501.5	160.5	7.6	602	0.00
	Goa	580	0	11.8	11.9	-0.4	34	0.00
	DNHDDPDCL	1225	0	28.5	28.4	0.1	53	0.00
	AMNSIL	895	0	19.4	10.6	-0.1	245	0.00
SR	Andhra Pradesh	9007	0	193.9	51.5	0.1	815	0.00
	Telangana	9005	0	177.2	65.2	0.9	650	0.00
	Karnataka	9915	0	193.3	49.9	-2.3	633	0.00
	Kerala	3647	0	74.2	54.9	0.1	241	0.00
	Tamil Nadu	15885	0	342.6	150.8	-7.1	934	0.00
	Puducherry	445	0	9.8	9.4	-0.4	86	0.00
	Bihar	6386	0	127.4	117.4	-1.3	234	0.16
ER	DVC	3612	0	77.6	-46.4	0.7	472	0.00
	Jharkhand	1502	0	31.8	23.5	-1.0	193	1.10
	Odisha	5779	0	125.3	65.2	-0.6	245	0.00
	West Bengal	8744	0	178.7	54.4	0.0	378	0.00
	Sikkim	99	0	1.5	1.6	-0.1	22	0.00
	Arunachal Pradesh	146	0	2.6	2.2	0.1	23	0.00
NER	Assam	1908	0	36.8	28.4	0.3	104	0.00
	Manipur	189	0	2.6	2.5	0.1	26	0.00
	Meghalaya	331	0	5.6	0.2	0.4	74	0.44
	Mizoram	98	0	1.7	1.5	-0.2	4	0.00
	Nagaland	147	0	2.7	2.3	-0.1	7	0.00
	Tripura	298	0	5.1	4.4	0.1	47	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	35.6	4.9	-25.5
Day Peak (MW)	1696.0	293.9	-1084.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	320.0	-172.6	9.4	-148.2	-8.6	0.0
Actual(MU)	343.8	-166.6	-23.8	-144.5	-10.3	-1.4
O/D/U/D(MU)	23.8	6.0	-33.2	3.6	-1.6	-1.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3473	15281	6388	1895	822	27859	47
State Sector	6315	12916	10087	2270	160	31748	53
Total	9789	28197	16475	4165	982	59607	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	801	1259	512	612	17	3200	70
Lignite	31	15	68	0	0	114	2
Hydro	240	29	51	114	32	466	10
Nuclear	24	33	63	0	0	120	3
Gas, Naptha & Diesel	23	6	10	0	24	62	1
RES (Wind, Solar, Biomass & Others)	128	118	359	4	0	609	13
Total	1246	1459	1063	730	73	4571	100

Share of RES in total generation (%)	10.29	8.07	33.77	0.57	0.64	13.33
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.45	12.29	44.52	16.20	44.20	26.14

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.077

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: 25-Jun-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	24.4	-24.4	
2	HVDC	PUSAULI B/B	-	1	49	0.0	1.2	-1.2	
3	765 kV	GAYA-VARANASI	2	0	700	0.0	9.4	-9.4	
4	765 kV	SASARAM-FATEHPUR	1	0	531	0.0	9.7	-9.7	
5	765 kV	GAYA-BALIA	1	0	745	0.0	14.7	-14.7	
6	400 kV	PUSAULI-VARANASI	1	48	29	0.3	0.0	0.3	
7	400 kV	PUSAULI-ALLAHABAD	1	0	107	0.0	1.4	-1.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1015	0.0	18.2	-18.2	
9	400 kV	PATNA-BALIA	2	0	729	0.0	15.5	-15.5	
10	400 kV	NAUBATPUR-BALIA	2	0	793	0.0	16.5	-16.5	
11	400 kV	BIHARSHARIFF-BALIA	2	0	670	0.0	10.2	-10.2	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	549	0.0	10.7	-10.7	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	339	0.0	5.2	-5.2	
14	220 kV	SAHUPURI-KARAMANASA	1	0	162	0.0	2.9	-2.9	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3	
17	132 kV	KARMANASA-SAHUPURI	1	0	30	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	17	0	0.0	0.0	0.0	
						ER-NR	0.6	139.9	-139.3
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	26.1	0.0	26.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1077	91	13.8	0.0	13.8	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	2.4	-2.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	1.7	-1.7	
5	400 kV	RANCHI-SIPAT	2	193	103	1.6	0.0	1.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	20	84	1.1	0.0	1.1	
7	220 kV	BUDHIPADAR-KORBA	2	107	20	1.2	0.0	1.2	
						ER-WR	43.9	4.1	39.8
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEPPIRE-GAZUWAKA B/B	2	0	460	0.0	7.8	-7.8	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1389	0.0	30.4	-30.4	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2591	0.0	45.8	-45.8	
4	400 kV	TALCHER-I/C	2	866	0	14.6	0.0	14.6	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	0.0	84.0	-84.0
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	19	260	0.0	2.6	-2.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	134	424	0.0	2.0	-2.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	119	0.0	1.3	-1.3	
						ER-NER	0.0	6.0	-6.0
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1006	0.0	17.6	-17.6	
						NER-NR	0.0	17.6	-17.6
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3014	0.0	61.9	-61.9	
2	HVDC	VINDHYACHAL B/B	-	443	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	512	0.0	12.2	-12.2	
4	765 kV	GWALIOR-AGRA	2	0	2467	0.0	35.1	-35.1	
5	765 kV	GWALIOR-PHAGI	2	0	1662	0.0	26.3	-26.3	
6	765 kV	JABALPUR-ORAI	2	0	1055	0.0	30.4	-30.4	
7	765 kV	GWALIOR-ORAI	1	1084	0	10.2	0.0	10.2	
8	765 kV	SATNA-ORAI	1	0	1160	0.0	22.6	-22.6	
9	765 kV	BANASKANTHA-CHITORGARH	2	983	302	9.3	0.0	9.3	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3141	0.0	54.3	-54.3	
11	400 kV	ZERDA-KANKROLI	1	252	20	3.1	0.0	3.1	
12	400 kV	ZERDA-BHINMAL	1	450	50	4.4	0.0	4.4	
13	400 kV	VINDHYACHAL-RIHAND	1	957	0	21.6	0.0	21.6	
14	400 kV	RAPP-SHUALPUR	2	59	588	0.0	5.5	-5.5	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.1	-2.1	
17	220 kV	MEHGAON-AURAIYA	1	88	0	0.4	0.1	0.3	
18	220 kV	MALANPUR-AURAIYA	1	52	26	1.1	0.0	1.1	
19	132 kV	GWALIOR-SAWAI MADHOPUR	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	62.2	250.4	-188.2
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	987	0	23.5	0.0	23.5	
2	HVDC	RAIGARH-PUGALUR	2	2873	0	52.2	0.0	52.2	
3	765 kV	SOLAPUR-RAICHUR	2	1210	1801	5.1	12.6	-7.5	
4	765 kV	WARDHA-NIZAMABAD	2	0	2826	0.0	39.8	-39.8	
5	400 kV	KOLHAPUR-KUDGI	2	1707	0	29.6	0.0	29.6	
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	102	1.8	0.0	1.8	
						WR-SR	112.2	52.4	59.8

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)	590	0	550	13.2	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE -BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	890	782	818	19.6	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	206	0	165	4.0	
	NER	132kV GELEPHU-SALAKATI	-19	0	-13	-0.3	
	NER	132kV MOTANGA-RANGIA	-48	-24	-38	-0.9	
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-78	0	-69	-1.7	
	ER	NEPAL IMPORT (FROM BIHAR)	-44	-2	-27	-0.6	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	416	229	300	7.2	
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-944	-935	-938	-22.5	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-140	0	-127	-3.0	