



**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: 23<sup>rd</sup> June 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 22.06.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-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 22<sup>nd</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: 23-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)	60752	53025	42009	25131	2906	183823
Peak Shortage (MW)	190	0	0	0	23	213
Energy Met (MU)	1360	1283	952	540	56	4191
Hydro Gen (MU)	223	36	55	121	33	468
Wind Gen (MU)	13	58	149	-	-	219
Solar Gen (MU)*	103.45	46.11	96.46	5.44	2.40	254
	7.30	0.00	0.00	2.49	0.74	10.53
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	65531	56713	43596	25467	2934	186593
Time Of Maximum Demand Met (From NLDC SCADA)	22:40	11:31	10:02	20:30	20:18	22:38

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	0.097	1.63	4.91	15.09	21.63	70.39	7.99

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	11228	0	234.9	136.7	-1.6	198	0.00
	Haryana	8898	0	184.9	115.5	0.2	331	0.00
	Rajasthan	10893	0	226.9	41.9	-3.0	383	1.23
	Delhi	5536	0	112.3	102.0	-1.3	103	0.00
	UP	23144	490	474.3	209.2	1.1	445	4.61
	Uttarakhand	2312	0	47.1	29.6	0.8	157	1.24
	HP	1672	0	31.1	13.6	0.4	124	0.00
	J&K(UT) & Ladakh(UT)	2095	0	43.5	25.3	-2.3	164	0.22
	Chandigarh	261	0	5.3	5.2	0.2	34	0.00
	Chhattisgarh	3952	0	93.3	47.4	-1.6	147	0.00
WR	Gujarat	18619	0	409.4	225.5	0.0	664	0.00
	MP	9310	0	211.1	90.9	0.0	517	0.00
	Maharashtra	24223	0	516.9	176.1	1.3	593	0.00
	Goa	604	0	11.9	11.9	-0.3	30	0.00
	DNHDDPDCL	1243	0	28.5	28.2	0.3	113	0.00
	AMNSIL	731	0	11.6	10.8	-3.2	216	0.00
	Andhra Pradesh	8764	0	186.7	68.8	-2.5	560	0.00
SR	Telangana	7986	0	163.5	52.0	0.1	407	0.00
	Karnataka	9888	0	192.4	62.9	-1.0	1000	0.00
	Kerala	3670	0	74.8	55.0	0.0	275	0.00
	Tamil Nadu	15144	0	325.3	145.6	0.1	1168	0.00
	Puducherry	422	0	9.6	9.1	-0.2	34	0.00
	Bihar	6333	0	120.0	108.5	0.5	307	1.96
ER	DVC	3521	0	75.3	-40.6	0.0	339	0.00
	Jharkhand	1578	0	30.7	22.3	-0.3	189	0.53
	Odisha	6311	0	131.7	71.5	-1.4	377	0.00
	West Bengal	9192	0	180.7	53.3	0.8	335	0.00
	Sikkim	98	0	1.5	1.6	-0.1	19	0.00
	Arunachal Pradesh	146	0	2.4	2.0	0.0	22	0.00
NER	Assam	1852	0	34.6	25.8	0.7	88	0.23
	Manipur	168	0	2.5	2.5	0.1	28	0.00
	Meghalaya	329	0	5.3	0.2	0.4	32	0.51
	Mizoram	98	0	1.9	1.5	0.0	2	0.00
	Nagaland	142	0	2.7	2.3	-0.1	16	0.00
	Tripura	289	0	6.8	3.6	-0.1	45	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	41.3	5.4	-24.6
Day Peak (MW)	1914.0	-544.4	-1048.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	240.1	-121.9	33.6	-139.6	-12.2	0.0
Actual(MU)	238.7	-105.1	13.4	-137.9	-15.3	-6.2
O/D/U/D(MU)	-1.4	16.8	-20.2	1.8	-3.2	-6.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2803	14371	7168	2360	822	27523	46
State Sector	7425	13784	8755	2260	160	32384	54
Total	10228	28154	15923	4620	982	59907	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	757	1217	501	595	17	3088	71
Lignite	30	15	62	0	0	107	2
Hydro	224	36	55	121	33	469	11
Nuclear	21	33	62	0	0	116	3
Gas, Naptha & Diesel	21	3	8	0	24	56	1
RES (Wind, Solar, Biomass & Others)	130	104	287	5	2	528	12
Total	1183	1409	974	721	77	4363	100

Share of RES in total generation (%)	10.95	7.37	29.42	0.75	3.13	12.09
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.65	12.26	41.45	17.54	46.01	25.50

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.041
Based on State Max Demands	1.075

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: 23-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	1503	0.0	30.5	-30.5
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.2	-1.2
3	765 kV	GAYA-VARANASI	2	63	706	0.0	4.9	-4.9
4	765 kV	SASARAM-FATEHPUR	1	0	536	0.0	8.3	-8.3
5	765 kV	GAYA-BALIA	1	0	625	0.0	5.3	-5.3
6	400 kV	PUSAULI-VARANASI	1	27	41	0.0	0.0	0.0
7	400 kV	PUSAULI-ALLAHABAD	1	0	85	0.0	1.1	-1.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	970	0.0	17.9	-17.9
9	400 kV	PATNA-BALIA	2	0	684	0.0	12.8	-12.8
10	400 kV	NAUBATPUR-BALIA	2	0	732	0.0	13.6	-13.6
11	400 kV	BIHARSHARIFF-BALIA	2	0	663	0.0	9.2	-9.2
12	400 kV	MOTIHARI-GORAKHPUR	2	0	533	0.0	9.9	-9.9
13	400 kV	BIHARSHARIFF-VARANASI	2	0	319	0.0	4.3	-4.3
14	220 kV	SAHUPURI-KARAMNANA	1	0	173	0.0	3.3	-3.3
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	25	0	0.6	0.0	0.6
17	132 kV	KARMANASA-SAHUPURI	1	0	58	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
						ER-NR	122.2	-121.5
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	20.9	0.0	20.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	566	749	2.7	0.0	2.7
3	765 kV	JHARSUGUDA-DURG	2	0	314	3.6	0.0	3.6
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	2.0	-2.0
5	400 kV	RANCHI-SIPAT	2	234	230	1.7	0.0	1.7
6	220 kV	BUDHIPADAR-RAIGARH	1	70	57	0.4	0.0	0.4
7	220 kV	BUDHIPADAR-KORBA	2	128	3	1.7	0.0	1.7
						ER-WR	30.9	28.9
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	31	440	0.0	9.9	-9.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1637	0.0	34.7	-34.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	3130	0.0	44.6	-44.6
4	400 kV	TALCHER-JC	2	705	0	10.2	0.0	10.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
						ER-SR	89.1	-89.1
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	120	362	0.3	3.1	-2.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	297	215	2.1	0.0	2.1
3	220 kV	ALIPURDUAR-SALAKATI	2	15	97	0.0	0.6	-0.6
						ER-NER	2.5	-1.3
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	729	0.0	17.5	-17.5
						NER-NR	17.5	-17.5
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1601	0.0	25.4	-25.4
2	HVDC	VINDHYACHAL B/B	-	444	0	12.2	0.0	12.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1014	0.0	9.8	-9.8
4	765 kV	GWALIOR-AGRA	2	387	1742	0.0	25.2	-25.2
5	765 kV	GWALIOR-PHAGI	2	0	1559	0.0	22.9	-22.9
6	765 kV	JABALPUR-ORAI	2	71	896	0.0	24.8	-24.8
7	765 kV	GWALIOR-ORAI	1	482	0	9.4	0.0	9.4
8	765 kV	SATNA-ORAI	1	0	1078	0.0	21.9	-21.9
9	765 kV	BANASKANTHA-CHITORGARH	2	1944	0	20.1	0.0	20.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	3124	0.0	52.0	-52.0
11	400 kV	ZERDA-KANKROLI	1	484	0	5.8	0.0	5.8
12	400 kV	ZERDA-BHINMAL	1	760	0	9.8	0.0	9.8
13	400 kV	VINDHYACHAL-RIHAND	1	960	0	21.9	0.0	21.9
14	400 kV	RAPP-SHUJALPUR	2	343	481	0.0	1.9	-1.9
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.9	-1.9
17	220 kV	MEHGAON-AURAIYA	1	117	0	0.5	0.0	0.5
18	220 kV	MALANPUR-AURAIYA	1	84	8	1.3	0.0	1.3
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	81.0	-104.7
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	987	0	21.6	0.0	21.6
2	HVDC	RAIGARH-PUGALUR	2	2871	0	35.7	0.0	35.7
3	765 kV	SOLAPUR-RAICHUR	2	1020	2347	0.0	11.6	-11.6
4	765 kV	WARDHA-NIZAMABAD	2	0	3334	0.0	41.4	-41.4
5	400 kV	KOLHAPUR-KUDGI	2	1511	0	22.6	0.0	22.6
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	97	1.7	0.0	1.7
						WR-SR	81.7	28.7

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)	609	0	565	13.6	
	ER	400kV TALA-BINAGURI 1,2,4 i.e. 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1096	0	1028	24.7	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	272	0	170	4.1	
	NER	132kV GELEPHU-SALAKATI	-18	-5	-12	-0.3	
	NER	132kV MOTANGA-RANGIA	-45	-13	-29	-0.7	
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-77	0	-69	-1.7	
	ER	NEPAL IMPORT (FROM BIHAR)	-34	0	-13	-0.3	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-433	-218	308	7.4	
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-942	-939	-941	-22.6	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-106	0	-83	-2.0	