



**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: 29<sup>th</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 28.06.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28<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: 29-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)	70846	55100	43487	25305	2892	197630
Peak Shortage (MW)	681	0	0	221	25	927
Energy Met (MU)	1737	1294	1009	547	52	4639
Hydro Gen (MU)	338	30	63	114	33	579
Wind Gen (MU)	47	109	181	-	-	337
Solar Gen (MU)*	107.71	41.79	86.25	5.23	0.24	241
Energy Shortage (MU)	20.96	0.00	0.00	5.01	0.59	26.56
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	77091	55742	47489	25566	2944	203847
Time Of Maximum Demand Met (From NLDC SCADA)	11:51	14:50	11:45	00:00	19:14	11:47

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	0.044	0.00	0.54	9.76	10.30	74.35	15.35

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	14002	0	326.4	198.4	-0.9	102	0.00
	Haryana	12540	0	264.1	184.9	1.1	276	3.86
	Rajasthan	15850	0	322.6	89.2	-1.6	445	2.98
	Delhi	7528	0	153.5	133.4	-0.7	345	0.39
	UP	23844	490	520.4	255.7	2.2	533	11.49
	Uttarakhand	2319	0	51.2	30.5	1.5	256	2.07
	HP	1699	0	36.9	5.5	-0.1	66	0.00
	J&K(UT) & Ladakh(UT)	2558	0	53.9	29.0	-0.3	144	0.17
	Chandigarh	392	0	8.1	7.9	0.2	37	0.00
	WR	Chhattisgarh	4663	0	112.9	56.9	3.1	193
Gujarat		18495	0	402.8	201.6	-5.0	428	0.00
MP		9898	0	230.5	103.8	0.0	499	0.00
Maharashtra		21501	0	487.6	137.3	-0.3	954	0.00
Goa		603	0	12.3	11.9	0.1	51	0.00
DNHDDPDCL		1208	0	28.1	28.3	-0.2	51	0.00
AMNSIL		898	0	19.9	10.4	0.2	324	0.00
SR	Andhra Pradesh	8903	0	188.0	45.7	2.5	729	0.00
	Telangana	8934	0	167.1	68.6	1.4	639	0.00
	Karnataka	11048	0	210.9	72.0	2.3	1034	0.00
	Kerala	3353	0	72.2	51.2	0.4	237	0.00
	Tamil Nadu	16520	0	361.1	166.1	-2.5	650	0.00
	Puducherry	454	0	9.9	10.2	-0.3	21	0.00
ER	Bihar	6163	319	117.5	107.1	-0.3	520	2.02
	DVC	3444	0	74.3	-29.6	2.5	334	0.00
	Jharkhand	1567	96	36.5	24.6	2.2	130	2.99
	Odisha	6270	0	129.9	64.6	-0.4	417	0.00
	West Bengal	9328	0	187.2	63.5	1.1	435	0.00
NER	Sikkim	92	0	1.5	1.6	-0.1	12	0.00
	Arunachal Pradesh	109	0	2.3	2.4	-0.4	27	0.00
	Assam	1838	0	33.2	25.8	0.0	117	0.00
	Manipur	183	0	2.6	2.5	0.0	35	0.00
	Meghalaya	339	0	5.5	0.5	0.5	59	0.59
	Mizoram	95	0	1.7	1.4	-0.1	26	0.00
	Nagaland	158	0	2.6	2.5	-0.2	19	0.00
	Tripura	288	0	4.5	4.9	-0.4	58	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	34.6	5.8	-23.6
Day Peak (MW)	1944.0	309.7	-1091.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	415.7	-248.0	-15.1	-140.7	-11.9	0.0
Actual(MU)	393.5	-246.8	-3.6	-129.9	-14.6	-1.4
O/D/U/D(MU)	-22.2	1.3	11.5	10.8	-2.7	-1.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2912	10776	5498	2305	822	22313	42
State Sector	5880	13436	8870	2670	160	31015	58
Total	8792	24211	14368	4975	982	53328	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	803	1327	535	588	17	3271	68
Lignite	30	13	67	0	0	110	2
Hydro	340	30	63	114	33	581	12
Nuclear	29	33	67	0	0	129	3
Gas, Naptha & Diesel	36	9	9	0	24	78	2
RES (Wind, Solar, Biomass & Others)	169	151	310	5	0	635	13
Total	1407	1562	1051	708	74	4802	100

Share of RES in total generation (%)	7.61	9.65	29.48	0.74	0.32	12.00
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.11	13.68	41.88	16.89	44.94	26.98

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024
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: 29-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	1500	0.0	24.6	-24.6
2	HVDC	PUSAULI B/B	-	0	48	0.0	1.2	-1.2
3	765 kV	GAYALYARANASI	2	204	356	0.0	2.6	-2.6
4	765 kV	SASARAM-FATEHPUR	1	0	547	0.0	8.8	-8.8
5	765 kV	GAYA-BALIA	1	0	643	0.0	11.3	-11.3
6	400 kV	PUSAULI-VARANASI	1	68	53	0.4	0.0	0.4
7	400 kV	PUSAULI-ALLAHABAD	1	0	83	0.4	0.0	0.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1069	0.0	19.4	-19.4
9	400 kV	PATNA-BALIA	2	0	627	0.0	12.4	-12.4
10	400 kV	NAUBATPUR-BALIA	2	0	838	0.0	14.8	-14.8
11	400 kV	BIHARSHARIFF-BALIA	2	0	687	0.0	9.3	-9.3
12	400 kV	MOTIHARI-GORAKHPUR	2	0	624	0.0	10.8	-10.8
13	400 kV	BIHARSHARIFF-VARANASI	2	0	286	0.0	3.9	-3.9
14	220 kV	SINPUR-BIKRAMNASHA	1	0	182	0.0	3.1	-3.1
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5
17	132 kV	KARMANASA-SAHUPURI	1	0	38	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
ER-NR						1.2	122.1	-120.9
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	14.7	0.0	14.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1323	3	17.8	0.0	17.8
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	2.5	-2.5
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	2.5	-2.5
5	400 kV	RANCHI-SIPAT	2	262	37	2.6	0.0	2.6
6	220 kV	BUDHIPADAR-RAIGARH	1	0	133	0.0	1.5	-1.5
7	220 kV	BUDHIPADAR-KORBA	2	112	0	1.4	0.0	1.4
ER-WR						36.5	6.5	30.0
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	587	0	14.5	0.0	14.5
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1985	0.0	41.4	-41.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2850	0.0	47.3	-47.3
4	400 kV	TALCHER-I/C	2	266	164	3.7	0.0	3.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
ER-SR						14.5	88.6	-74.2
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	0	457	0.0	4.5	-4.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	446	0.0	3.5	-3.5
3	220 kV	ALIPURDUAR-SALAKATI	2	0	129	0.0	1.8	-1.8
ER-NER						0.0	9.8	-9.8
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1509	0.0	27.6	-27.6
NER-NR						0.0	27.6	-27.6
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	5038	0.0	85.2	-85.2
2	HVDC	VINDHYACHAL B/B	-	225	0	1.9	0.0	1.9
3	HVDC	MUNDRA-MOHINDERGARH	2	0	2020	0.0	17.9	-17.9
4	765 kV	GWALIOR-AGRA	2	0	2211	0.0	37.0	-37.0
5	765 kV	GWALIOR-PHAGI	2	0	1916	0.0	30.3	-30.3
6	765 kV	JABALPUR-ORAI	2	0	1044	0.0	37.6	-37.6
7	765 kV	GWALIOR-ORAI	1	595	0	10.2	0.0	10.2
8	765 kV	SATNA-ORAI	1	0	1147	0.0	24.2	-24.2
9	765 kV	BANASKANTHA-CHITORGARH	2	1153	601	7.2	0.0	7.2
10	765 kV	VINDHYACHAL-VARANASI	2	0	3407	0.0	64.4	-64.4
11	400 kV	ZERDA-KANKROLI	1	293	48	2.6	0.0	2.6
12	400 kV	ZERDA-JBHINMAL	1	573	0	6.5	0.0	6.5
13	400 kV	VINDHYACHAL-RIHAND	1	951	0	21.8	0.0	21.8
14	400 kV	RAPP-SHILAIIPUR	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	92	0	0.0	0.0	0.0
18	220 kV	MALANPUR-AURAIYA	1	57	16	1.4	0.0	1.4
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						51.7	298.9	-247.3
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	987	0	23.8	0.0	23.8
2	HVDC	RAIGARH-PUGALUR	2	1929	1001	25.7	0.0	25.7
3	765 kV	SOLAPUR-RAICHUR	2	1084	2059	3.6	13.5	-9.9
4	765 kV	WARDHA-NIZAMABAD	2	0	2728	0.0	38.6	-38.6
5	400 kV	KOLHAPUR-KUDCI	2	1612	0	27.3	0.0	27.3
6	220 kV	KOLHAPUR-CHIKODI	1	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	108	2.0	0.0	2.0
WR-SR						82.5	52.1	30.4
<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)	599	0	570	13.7		
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1102	0	775	18.6		
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	201	0	146	3.5		
	NER	132KV GELEPHU-SALAKATI	21	14	16	0.4		
	NER	132KV MOTANGA-RANGIA	45	23	34	0.8		
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-55	-1.3		
	ER	NEPAL IMPORT (FROM BIHAR)	-37	0	-9	-0.2		
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	423	152	307	7.4		
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-928	-784	-831	-20.0		
	NER	132KV COMILLA-SURAJMANJANAGAR 1&2	-163	0	-153	-3.7		