



**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> August 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 28.08.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-अगस्त-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> Aug 2022, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Date of Reporting 29-Aug-22

Report for previous day

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from	64292	52301	38190	24410	3094	182287
Peak Shortage (MW)	1376	0	0	849	0	2225
Energy Met (MU)	1516	1223	910	527	59	4235
Hydro Gen (MU)	376	94	175	125	30	799
Wind Gen (MU)	24	71	60	-----	-----	154
Solar Gen (MU)*	103.64	45.37	93.82	4.28	0.30	247
Energy Shortage (MU)	5.81	0.00	0.00	9.02	0.00	14.83
Maximum Demand Met during the day (MW) & time (from	68298	53442	41762	25024	3132	183224
NLDC SCADA)	00:03	11:32	12:22	21:38	19:20	19:47

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	0.031	0.00	0.30	6.71	7.01	82.40	10.59

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	12821	0	290.5	176.7	-1.5	11	0.00
	Haryana	10856	0	231.9	165.1	-0.2	129	0.00
	Rajasthan	11735	0	249.0	68.8	0.8	413	1.77
	Delhi	5945	0	116.5	106.4	-2.3	140	0.00
	UP	23853	0	491.3	221.7	-1.1	224	3.60
	Uttarakhand	2078	0	46.8	20.6	0.3	134	0.00
	HP	1492	0	31.2	-6.1	0.5	84	0.00
	J&K(UT) and Ladakh(UT)	2511	140	52.5	27.5	1.1	358	0.44
WR	Chandigarh	293	0	6.2	6.3	-0.1	14	0.00
	Chhattisgarh	4578	0	109.1	64.7	0.6	332	0.00
	Gujarat	15424	0	336.2	200.4	-0.4	565	0.00
	MP	9377	0	211.9	84.9	0.0	402	0.00
	Maharashtra	22971	0	508.4	190.7	1.7	1061	0.00
	Goa	562	0	11.3	11.5	-0.2	39	0.00
	DNHDDPDCL	1170	0	27.2	27.1	0.1	64	0.00
	AMNSIL	852	0	18.9	13.4	-1.4	247	0.00
SR	Andhra Pradesh	8940	0	192.1	64.7	-0.7	480	0.00
	Telangana	11630	0	215.6	77.1	1.5	567	0.00
	Karnataka	8205	0	165.5	48.4	-1.0	486	0.00
	Kerala	3217	0	65.3	25.2	-1.7	135	0.00
	Tamil Nadu	11735	0	262.8	124.9	0.3	729	0.00
	Puducherry	365	0	8.4	8.0	-0.3	40	0.00
ER	Bihar	6230	931	117.8	113.8	1.1	466	7.34
	DVC	3333	0	72.3	-27.9	0.5	337	0.00
	Jharkhand	1522	0	32.1	22.8	-1.3	155	1.68
	Odisha	6019	0	126.6	50.2	-0.9	440	0.00
	West Bengal	8666	0	176.8	50.4	-0.3	418	0.00
	Sikkim	80	0	1.2	1.2	0.0	17	0.00
NER	Arunachal Pradesh	128	0	2.3	2.5	-0.5	9	0.00
	Assam	2039	0	38.8	33.8	-1.2	105	0.00
	Manipur	185	0	2.6	2.7	-0.1	10	0.00
	Meghalaya	327	0	6.3	2.3	0.0	52	0.00
	Mizoram	101	0	1.6	0.7	-0.1	7	0.00
	Nagaland	142	0	2.6	2.2	-0.1	6	0.00
	Tripura	306	0	5.2	5.0	-0.1	53	0.00

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	43.6	7.8	-25.3
Day peak (MW)	2037.0	343.5	-1071.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	272.6	-141.9	-8.1	-118.7	-3.9	0.0
Actual(MU)	263.0	-129.4	-10.3	-121.8	-7.7	-6.2
O/D/U/D(MU)	-9.5	12.5	-2.1	-3.1	-3.8	-6.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3882	15336	6718	2120	444	28499
State Sector	7930	18876	10162	3700	162	40829
Total	11812	34212	16880	5820	605	69328

G. Sourcwise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	687	1119	480	554	16	2855
Lignite	25	6	55	0	0	86
Hydro	376	94	175	125	30	799
Nuclear	29	40	43	0	0	112
Gas, Naptha & Diesel	14	2	7	0	29	52
RES (Wind, Solar, Biomass & Others)	145	117	198	4	0	465
Total	1277	1379	957	683	74	4370
Share of RES in total generation (%)	11.39	8.45	20.72	0.63	0.40	10.64
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total	43.12	18.22	43.43	18.89	40.50	31.50

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.046
Based on State Max Demands	1.090

Diversity factor = Sum of regional or state-wise maximum demands / All India maximum demand

I. All India Demand Load Factor (%)

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\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 29-Aug-22

Import=(+ve)  
/Export =(-ve)  
for NET (MU)

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
<b>Import/Export of ER (With NR)</b>								
4	HVDC	ALIPURDUAR-AGRA	D/C	0.0	702	0.0	18.2	-18.2
5		PUSAULI B/B	-	0.0	346	0.0	8.4	-8.4
1	765kV	GAYA-VARANASI	D/C	416	389	0.0	1.5	-1.5
2		SASARAM-FATEHPUR	S/C	125.0	244	0.0	2.8	-2.8
3	400 kV	GAYA-BALIA	S/C	0	678	0.0	11.8	-11.8
6		PUSAULI-VARANASI	S/C	0	245	0.0	4.6	-4.6
7		PUSAULI-ALLAHABAD	S/C	0	192	0.0	3.5	-3.5
8		MUZAFFARPUR-GORAKHPUR	D/C	0	993	0.0	16.6	-16.6
9		PATNA-BALIA	Q/C	0	577	0.0	10.9	-10.9
10		BIHARSHARIFF-BALIA	D/C	0	556	0.0	8.0	-8.0
11		MOTIHARI-GORAKHPUR	D/C	0	210	0.0	8.1	-8.1
12		BIHARSHARIFF-VARANASI	D/C	168	164	0.0	1.1	-1.1
13	220 kV	SAHUPURI-KARAMNESA*	S/C	31	116	0.0	1.4	-1.4
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.4	0.0	0.4
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>0.4</b>	<b>96.9</b>	<b>-96.5</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	971	128.0	10	0.0	9.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	1502	1.0	19	0.0	18.9
20	400 kV	JHARSUGUDA-DURG	D/C	0.0	293	0.0	4.1	-4.1
21		JHARSUGUDA-RAIGARH	Q/C	0.0	501	0.0	7.4	-7.4
22	220 kV	RANCHI-SIPAT	D/C	278	85.0	2.8	0.0	2.8
23		BUDHIPADAR-RAIGARH	S/C	0	129	0.0	1.7	-1.7
24		BUDHIPADAR-KORBA	D/C	99	33	0.6	0	0.6
<b>ER-WR</b>						<b>31.8</b>	<b>13.2</b>	<b>18.6</b>
<b>Import/Export of ER (With SR)</b>								
26	HVDC	JEYPORE-GAZUWAKA B/B	-	0.0	339.0	0.0	7.5	-7.5
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1997.0	0.0	32.2	-32.2
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2493.0	0.0	41.5	-41.5
28	400 kV	TALCHER-I/C	D/C	715.0	153.0	12.2	0.0	12.2
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	2.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>81.2</b>	<b>-81.2</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	100	180	0	1	-1
31		ALIPURDUAR-BONGAIGAON	D/C	179	208	0	1	-1
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	84	0	1	-1
<b>ER-NER</b>						<b>0.0</b>	<b>3.1</b>	<b>-3.1</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	D/C	0	502	0.0	11.7	-11.7
<b>NER-NR</b>						<b>0.0</b>	<b>11.7</b>	<b>-11.7</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	4017	0.0	59.0	-59.0
35		V'CHAL B/B	D/C	444	0	12.2	0.0	12.2
36	765 kV	APL -MHG	D/C	0	511	0.0	7.7	-7.7
37		GWALIOR-AGRA	D/C	0	1304	0.1	20.5	-20.4
38		PHAGI-GWALIOR	D/C	236	1602	0.4	21.6	-21.2
39		JABALPUR-ORAI	D/C	0	1070	0.0	26.9	-26.9
40		GWALIOR-ORAI	S/C	535	0	7.0	0.0	7.0
41		SATNA-ORAI	S/C	0	1178	0.0	20.3	-20.3
42		CHITTORGARH-BANASKANTHA	D/C	0	1070	0.0	26.9	-26.9
43		400 kV	ZERDA-KANKROLI	S/C	247	0	3.2	0.0
44	ZERDA -BHINMAL		S/C	592	0	6.5	0.0	6.5
45	V'CHAL -RIHAND		S/C	966	0	22.0	0.0	22.0
46	220 kV	RAPP-SHUJALPUR	D/C	336	497	1.7	4	-3
47		BHANPURA-RANPUR	S/C	0	30	0.0	2	-2.0
48		BHANPURA-MORAK	S/C	0	0	0.0	0	0.0
49		MEHGAON-AURAIYA	S/C	87	0	0.4	0	0.4
50		MALANPUR-AURAIYA	S/C	50	11	1.2	0.0	1.2
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0.0	0.0	0.0	0.0	0.0
<b>WR-NR</b>						<b>54.5</b>	<b>189.4</b>	<b>-134.9</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	787	1009.0	4	9.7	-5.3
53		RAIGARH-PUGLUR	D/C	3018	0	41.1	0.0	41.1
54	765 kV	SOLAPUR-RAICHUR	D/C	1201	1063	9	3	5.1
55		WARDHA-NIZAMABAD	D/C	0	2039	0	26	-25.6
56	400 kV	KOLHAPUR-KUDGI	D/C	1470	0	27	0	27.1
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0	0	0.0
58		PONDA-AMBEWADI	S/C	0	0	0	0	0.0
59		XELDEM-AMBEWADI	S/C	0	101	2	0	1.9
<b>WR-SR</b>						<b>83.1</b>	<b>38.8</b>	<b>44.4</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>43.6</b>
61		NEPAL						<b>7.8</b>
62		BANGLADESH						<b>-25.3</b>

\*220kV Pusauli- Sahupuri line LILOed at 220kV Karamnasa (Bihar) at 17:50 hrs of 24.01.2022.