



National Load Despatch Centre  
राष्ट्रीय भार प्रेषण केंद्र  
GRID CONTROLLER OF INDIA LIMITED  
ग्रिड कंट्रोलर ऑफ इंडिया 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: 08.08.2024

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 07.08.2024.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 7-अगस्त-2024 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 07.08.2024, is available at the NLDC website.

धन्यवाद,  
Thanks

Report for previous day

Date of Reporting: 08-Aug-2024

**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)	70592	55678	45733	26861	3487	202351
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1624	1279	1081	565	67	4615
Hydro Gen (MU)	377	98	188	71	38	773
Wind Gen (MU)	60	210	101	-	-	371
Solar Gen (MU)*	100.00	62.91	78.01	1.82	0.88	244
Energy Shortage (MU)	0.05	0.47	0.00	0.00	0.00	0.52
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	74485	57319	50040	27438	3560	206147
Time Of Maximum Demand Met	00:00	19:42	10:47	19:53	19:01	19:42

**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	0.037	0.00	0.00	5.97	5.97	71.29	22.74

**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	15124	0	352.7	217.8	0.6	236	0.00
	Haryana	11686	0	254.9	196.3	-3.2	252	0.00
	Rajasthan	10237	0	232.7	40.2	-6.9	330	0.00
	Delhi	6232	0	131.2	120.4	-1.8	253	0.00
	UP	26143	0	512.0	271.0	-0.3	549	0.00
	Uttarakhand	2206	0	47.6	27.4	-0.4	225	0.05
	HP	1712	0	36.3	6.7	-0.3	120	0.00
	J&K(UT) & Ladakh(UT)	2381	0	47.9	23.9	-0.6	156	0.00
	Chandigarh	365	0	7.4	8.0	-0.6	10	0.00
Railways NR ISTS	189	0	1.9	3.9	-2.0	35	0.00	
WR	Chhattisgarh	3949	0	87.0	52.9	-1.7	431	0.00
	Gujarat	16976	0	381.3	111.3	-9.9	369	0.00
	MP	11144	0	231.0	98.6	-2.3	584	0.00
	Maharashtra	23241	0	506.3	181.4	-2.1	873	0.47
	Goa	618	0	12.6	11.3	1.0	35	0.00
	DNHDDPDCL	1285	0	29.9	29.8	0.1	45	0.00
	AMNSIL	844	0	18.1	6.5	0.2	260	0.00
	BALCO	524	0	12.5	12.7	-0.2	0	0.00
SR	Andhra Pradesh	9003	0	197.5	50.7	-2.1	647	0.00
	Telangana	12180	0	247.4	138.2	-1.0	658	0.00
	Karnataka	11336	0	210.3	17.1	-1.8	398	0.00
	Kerala	4061	0	80.5	38.3	1.1	642	0.00
	Tamil Nadu	16502	0	335.5	178.5	-1.1	676	0.00
	Puducherry	459	0	9.7	9.5	-0.3	34	0.00
ER	Bihar	6990	0	134.8	128.7	-4.5	480	0.00
	DVC	3398	0	70.9	-41.1	-0.3	342	0.00
	Jharkhand	2080	0	40.5	29.6	-1.2	180	0.00
	Odisha	5688	0	112.1	46.2	-3.3	341	0.00
	West Bengal	9729	0	205.2	80.0	-1.8	786	0.00
	Sikkim	85	0	1.3	1.4	-0.1	31	0.00
Railways ER ISTS	14	0	0.2	0.1	0.0	5	0.00	
NER	Arunachal Pradesh	149	0	2.8	2.8	-0.5	29	0.00
	Assam	2400	0	45.0	36.9	0.5	170	0.00
	Manipur	199	0	2.5	2.9	-0.4	11	0.00
	Meghalaya	324	0	5.8	0.4	0.1	121	0.00
	Mizoram	115	0	1.8	0.9	-0.5	23	0.00
	Nagaland	172	0	2.8	2.8	-0.3	16	0.00
Tripura	323	0	6.2	5.3	0.4	53	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	29.0	16.9	-24.2	-26.4
Day Peak (MW)	1763.7	816.4	-1034.0	-1329.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	373.2	-375.1	78.6	-78.4	1.7	0.0
Actual(MU)	363.1	-368.4	76.1	-75.8	0.1	-4.8
O/D/U/D(MU)	-10.0	6.7	-2.5	2.6	-1.6	-4.8

**F. Generation Outage(MW)**

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3140	12991	6498	4876	597	28135	48
State Sector	6427	12937	8030	2912	131	30436	52
Total	9567	25928	14528	7788	728	58538	100

**G. Sourcewise generation (Gross) (MU)**

	NR	WR	SR	ER	NER	All India	% Share
Coal	740	1287	560	631	12	3229	65
Lignite	27	13	41	0	0	81	2
Hydro	377	98	188	71	38	773	16
Nuclear	34	68	76	0	0	178	4
Gas, Naptha & Diesel	13	32	5	0	22	72	1
RES (Wind, Solar, Biomass & Others)	165	274	201	4	1	645	13
Total	1357	1771	1072	706	73	4978	100

Share of RES in total generation (%)	12.17	15.46	18.79	0.54	1.23	12.95
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	42.50	24.85	43.44	10.62	53.46	32.07

**H. All India Demand Diversity Factor**

Based on Regional Max Demands	1.032
Based on State Max Demands	1.067

**I. All India Peak Demand and shortage at Solar and Non-Solar Hour**

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	198706	11:33	0
Non-Solar hr	206147	19:42	0

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

\*\*Note: All generation MU figures are gross

\*\*\*Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

Solar Hours -> 07:00 to 17:00hrs and rest are Non-Solar Hours

\*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: 08-Aug-2024

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	751	0.0	18.3	-18.3
2	HVDC	PUSAULI B/B	-	0	95	0.0	2.3	-2.3
3	765 kV	GAYA-VARANASI	2	676	629	0.0	2.2	-2.2
4	765 kV	SASARAM-FATEHPUR	1	238	283	0.0	1.3	-1.3
5	765 kV	GAYA-BALIA	1	0	705	0.0	10.4	-10.4
6	400 kV	PUSAULI-VARANASI	1	0	103	0.0	1.2	-1.2
7	400 kV	PUSAULI-ALLAHABAD	1	9	92	0.0	1.0	-1.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	144	781	0.0	8.6	-8.6
9	400 kV	PATNA-BALIA	2	211	642	0.0	6.1	-6.1
10	400 kV	NAUBATPUR-BALIA	2	159	183	0.0	1.0	-1.0
11	400 kV	BIHARSHARIF-BALIA	2	350	117	2.1	0.0	2.1
12	400 kV	MOTIHARI-GORAKHPUR	2	91	442	0.0	4.7	-4.7
13	400 kV	BIHARSHARIF-VARANASI	2	121	291	0.0	2.5	-2.5
14	220 kV	SAHUPURI-KARAMNANA	1	0	75	0.0	1.3	-1.3
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	30	0	0.2	0.0	0.2
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDALI	1	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>2.4</b>	<b>60.8</b>	<b>-58.4</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	782	730	4.1	0.0	4.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1834	221	25.4	0.0	25.4
3	765 kV	JHARSUGUDA-DURG	2	133	593	0.0	4.8	-4.8
4	400 kV	JHARSUGUDA-RAIGARH	4	287	256	0.0	0.1	-0.1
5	400 kV	RANCHI-SIPAT	2	456	168	5.1	0.0	5.1
6	220 kV	BUDHIPADAR-RAIGARH	1	31	94	0.0	0.5	-0.5
7	220 kV	BUDHIPADAR-KORBA	2	55	135	0.0	0.7	-0.7
<b>ER-WR</b>						<b>34.6</b>	<b>6.1</b>	<b>28.5</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	312	0.0	7.3	-7.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	994	0.0	24.2	-24.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2570	0.0	37.2	-37.2
4	400 kV	TALCHER-I/C	2	331	184	3.9	0.0	3.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>68.7</b>	<b>-68.7</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	2	364	0.0	3.9	-3.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	251	286	0.0	1.3	-1.3
3	220 kV	ALIPURDUAR-SALAKATI	2	7	90	0.0	1.0	-1.0
<b>ER-NER</b>						<b>0.0</b>	<b>6.3</b>	<b>-6.3</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	344	0.0	7.5	-7.5
<b>NER-NR</b>						<b>0.0</b>	<b>7.5</b>	<b>-7.5</b>
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KIRUKSHETRA	2	0	6031	0.0	77.4	-77.4
2	HVDC	VINDHYACHAL B/B	-	95	508	2.2	1.1	1.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	2359	0.0	46.8	-46.8
4	765 kV	GWALIOR-AGRA	2	0	2582	0.0	41.3	-41.3
5	765 kV	GWALIOR-PHAGI	2	1207	1173	4.9	10.6	-5.7
6	765 kV	JABALPUR-ORAI	2	0	1186	0.0	36.6	-36.6
7	765 kV	GWALIOR-ORAI	1	459	179	5.8	0.4	5.4
8	765 kV	SATNA-ORAI	1	0	1214	0.0	21.4	-21.4
9	765 kV	BANASKANTHA-CHITTOGARH	2	0	1640	0.0	24.3	-24.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	3651	0.0	68.1	-68.1
11	400 kV	ZERDA-KANKROLI	1	35	234	0.1	1.6	-1.5
12	400 kV	ZERDA -BHINMAL	1	24	162	0.0	1.1	-1.1
13	400 kV	VINDHYACHAL -RIHAND	1	974	0	21.2	0.0	21.2
14	400 kV	RAPP-SHUALPUR	2	332	412	2.0	2.6	-0.6
15	400 kV	NEEMUCH-Chittorgarh	2	272	391	1.3	2.9	-1.6
16	220 kV	BHANPURA-RANPUR	1	0	102	0.0	1.8	-1.8
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.3	-1.3
18	220 kV	MEHGAON-AURAIYA	1	70	31	0.2	0.3	-0.1
19	220 kV	MALANPUR-AURAIYA	1	43	45	0.1	0.6	-0.5
20	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
21	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>37.7</b>	<b>339.8</b>	<b>-302.1</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	368	0	7.2	0.0	7.2
2	HVDC	RAIGARH-PUGALUR	2	0	303	0.0	7.3	-7.3
3	765 kV	SOLAPUR-RAICHUR	2	1195	1694	7.6	4.4	3.1
4	765 kV	WARDHA-NIZAMABAD	2	0	3118	0.0	36.6	-36.6
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2928	0.0	32.7	-32.7
6	400 kV	KOLHAPUR-KUDGI	2	1639	0	26.9	0.0	26.9
7	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
9	220 kV	XELDEM-AMBEWADI	1	0	91	1.6	0.0	1.6
<b>WR-SR</b>						<b>43.3</b>	<b>81.0</b>	<b>-37.7</b>

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 MANGDECHU HEP 4*180MW)	769	58	338	8.12	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	920	834	853	20.47	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	88	41	74	1.78	
	NER	132kV GELEPHU-SALAKATI	-36	8	-11	-0.27	
	NER	132kV MOTANGA-RANGIA	-67	-12	-44	-1.05	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-2	0	0	0.00	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	68	0	59	1.41	
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	748	432	644	15.46	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-937	-823	-926	-22.23	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1330	-816	-1098	-26.35	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-97	0	-83	-2.00	

