



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
GRID CONTROLLER OF INDIA LIMITED
ग्रीड 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: 28.08.2024

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 27.08.2024.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-अगस्त-2024 की अखिल भारतीय प्रणाली की दैनिक ग्रीड 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 27.08.2024, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 28-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)	67429	51611	48544	25985	3622	197191
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1512	1157	1216	544	71	4499
Hydro Gen (MU)	378	113	173	80	33	777
Wind Gen (MU)	65	221	216	-	-	501
Solar Gen (MU)*	98.83	55.50	123.48	2.18	1.14	281
Energy Shortage (MU)	0.00	0.00	0.00	0.16	0.00	0.16
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	67957	53072	57386	26779	3694	200088
Time Of Maximum Demand Met	14:54	19:37	11:54	19:25	19:35	19:37

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	0.049	0.00	0.00	1.20	1.20	78.12	20.68

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	12046	0	238.7	165.9	-10.2	347	0.00
	Haryana	10733	0	225.6	170.1	-3.4	471	0.00
	Rajasthan	11035	0	238.4	51.3	-6.6	355	0.00
	Delhi	6047	0	127.2	115.4	-0.5	528	0.00
	UP	24908	0	537.7	268.3	2.0	624	0.00
	Uttarakhand	2403	0	52.2	24.8	0.8	159	0.00
	HP	1648	0	34.5	2.0	-0.4	97	0.00
	J&K(UT) & Ladakh(UT)	2382	0	47.0	23.9	-0.7	157	0.00
	Chandigarh	368	0	6.6	7.0	-0.4	23	0.00
Railways NR ISTS	201	0	4.0	3.9	0.1	32	0.00	
WR	Chhattisgarh	5299	0	117.2	71.8	0.7	284	0.00
	Gujarat	12157	0	268.7	95.2	5.9	1600	0.00
	MP	10702	0	221.5	108.1	-3.4	580	0.00
	Maharashtra	22267	0	475.8	162.1	-4.4	700	0.00
	Goa	618	0	13.7	11.8	1.6	70	0.00
	DNHDDPDCL	1291	0	29.1	29.5	-0.4	143	0.00
	AMNSIL	834	0	18.3	8.1	0.8	350	0.00
	BALCO	528	0	12.6	12.6	0.0	12	0.00
SR	Andhra Pradesh	11667	0	235.1	51.0	-0.3	764	0.00
	Telangana	14278	0	283.3	147.5	0.1	1949	0.00
	Karnataka	11504	0	214.8	30.2	-1.0	886	0.00
	Kerala	4258	0	85.5	58.4	2.5	729	0.00
	Tamil Nadu	17687	0	386.5	181.0	-0.3	660	0.00
	Puducherry	502	0	10.9	10.3	0.0	64	0.00
ER	Bihar	7021	0	128.9	128.4	-6.9	445	0.16
	DVC	3332	0	68.4	-31.6	1.3	481	0.00
	Jharkhand	1930	0	38.5	31.0	-1.9	172	0.00
	Odisha	5631	0	114.6	50.8	-4.3	437	0.00
	West Bengal	9168	0	191.7	71.5	-1.2	310	0.00
	Sikkim	87	0	1.3	1.4	-0.1	76	0.00
Railways ER ISTS	13	0	0.1	0.1	0.0	9	0.00	
NER	Arunachal Pradesh	185	0	3.2	2.7	0.0	22	0.00
	Assam	2499	0	48.2	39.8	0.6	256	0.00
	Manipur	213	0	2.9	2.9	0.0	30	0.00
	Meghalaya	317	0	5.9	0.7	-0.1	48	0.00
	Mizoram	110	0	2.0	0.6	-0.3	60	0.00
	Nagaland	168	0	3.2	2.6	0.0	18	0.00
Tripura	307	0	5.6	4.7	0.3	38	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	38.0	15.8	-23.2	-26.8
Day Peak (MW)	1880.0	774.1	-977.0	-1410.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	309.2	-320.0	85.1	-82.6	8.3	0.0
Actual(MU)	286.6	-305.9	70.5	-67.6	8.0	-8.4
O/D/U/D(MU)	-22.5	14.0	-14.6	15.0	-0.3	-8.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3281	12005	3288	3076	280	21929	35
State Sector	6602	19424	10964	3369	155	40513	65
Total	9882	31428	14252	6445	435	62442	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	687	1061	535	594	12	2889	60
Lignite	22	8	44	0	0	74	2
Hydro	378	113	173	80	33	777	16
Nuclear	34	69	76	0	0	179	4
Gas, Naptha & Diesel	17	24	5	0	22	68	1
RES (Wind, Solar, Biomass & Others)	169	280	372	4	1	826	17
Total	1307	1555	1205	679	68	4813	100

Share of RES in total generation (%)	12.95	18.03	30.88	0.55	1.69	17.17
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	44.48	29.70	51.52	12.40	49.96	37.02

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.043
Based on State Max Demands	1.081

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	195493	11:51	0
Non-Solar hr	200088	19:37	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 -> 06:00 to 18:00hrs 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: 28-Aug-2024

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	HVDC	ALIPURDUAR-AGRA	2	0	501	0.0	12.1	-12.1
2	HVDC	PUSAULI B/B	-	0	112	0.0	2.8	-2.8
3	765 kV	GAYA-VARANASI	2	538	469	1.2	0.0	1.2
4	765 kV	SASARAM-FATEHPUR	1	206	207	0.5	0.0	0.5
5	765 kV	GAYA-BALIA	1	0	702	0.0	8.9	-8.9
6	400 kV	PUSAULI-VARANASI	1	0	178	0.0	2.9	-2.9
7	400 kV	PUSAULI-ALLAHABAD	1	66	28	0.3	0.0	0.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	9	478	0.0	6.9	-6.9
9	400 kV	PATNA-BALIA	2	0	654	0.0	7.0	-7.0
10	400 kV	NAUBATPUR-BALIA	2	28	191	0.0	1.6	-1.6
11	400 kV	BIHARSHARIFF-BALIA	2	256	88	1.1	0.0	1.1
12	400 kV	MOTIHARI-GORAKHPUR	2	0	296	0.0	3.6	-3.6
13	400 kV	BIHARSHARIFF-VARANASI	2	0	0	0.0	0.0	0.0
14	220 kV	SAHUPURI-KARAMNANA	1	0	49	0.0	0.2	-0.2
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	0	0	0.4	0.0	0.4
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
ER-NR						3.5	45.9	-42.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	659	444	2.7	0.0	2.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1929	0	29.4	0.0	29.4
3	765 kV	JHARSUGUDA-DURG	2	245	299	0.0	2.2	-2.2
4	400 kV	JHARSUGUDA-RAIGARH	4	171	475	0.0	3.9	-3.9
5	400 kV	RANCHI-SIPAT	2	478	46	5.8	0.0	5.8
6	220 kV	BUDHIPADAR-RAIGARH	1	66	60	0.0	0.3	-0.3
7	220 kV	BUDHIPADAR-KORBA	2	99	139	0.0	0.9	-0.9
ER-WR						37.9	7.3	30.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	306	734	0.0	4.8	-4.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1992	0.0	29.8	-29.8
3	765 kV	ANGUL-SRIKAKULAM	2	0	2617	0.0	40.1	-40.1
4	400 kV	TALCHER-I/C	2	1097	951	7.5	0.0	7.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	1	0.0	0.0	0.0
ER-SR						0.0	74.7	-74.7
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	386	0.0	6.5	-6.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	559	0.0	9.3	-9.3
3	220 kV	ALIPURDUAR-SALAKATI	2	0	112	0.0	2.0	-2.0
ER-NER						0.0	17.8	-17.8
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.1	-12.1
NER-NR						0.0	12.1	-12.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KIRUKSHETRA	2	0	2519	0.0	59.9	-59.9
2	HVDC	VINDHYACHAL B/B	-	0	102	0.0	2.4	-2.4
3	HVDC	MUNDRA-MOHINDERGARH	2	0	976	0.0	23.4	-23.4
4	765 kV	GWALIOR-AGRA	2	0	2107	0.0	33.0	-33.0
5	765 kV	GWALIOR-PHAGI	2	953	911	3.7	5.0	-1.3
6	765 kV	JABALPUR-ORAI	2	0	902	0.0	27.8	-27.8
7	765 kV	GWALIOR-ORAI	1	424	118	4.7	0.1	4.6
8	765 kV	SATNA-ORAI	1	0	903	0.0	16.1	-16.1
9	765 kV	BANASKANTHA-CHITTOGARH	2	0	1535	0.0	21.2	-21.2
10	765 kV	VINDHYACHAL-VARANASI	2	0	3117	0.0	56.4	-56.4
11	400 kV	ZERDA-KANKROLI	1	50	170	0.0	2.0	-2.0
12	400 kV	ZERDA-BHINMAL	1	448	159	2.3	0.8	1.5
13	400 kV	VINDHYACHAL-RIHAND	1	0	2	0.0	0.0	0.0
14	400 kV	RAPP-SHUJALPUR	2	245	283	1.9	1.4	0.5
15	400 kV	NEEMUCH-Chittorgarh	2	288	268	1.5	1.4	0.1
16	220 kV	BHANPURA-RANPUR	1	0	58	0.0	1.1	-1.1
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.5	-1.5
18	220 kV	MEHGAON-AURAIYA	1	75	27	0.6	0.1	0.5
19	220 kV	MALANPUR-AURAIYA	1	47	39	0.3	0.2	0.0
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
WR-NR						15.0	253.9	-239.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	996	514	12.9	2.1	10.9
2	HVDC	RAIGARH-PUGALUR	2	0	1001	0.0	14.1	-14.1
3	765 kV	SOLAPUR-RAICHUR	2	1781	1436	8.6	7.0	1.6
4	765 kV	WARDHA-NIZAMABAD	2	0	2804	0.0	35.5	-35.5
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2570	0.0	29.5	-29.5
6	400 kV	KOLHAPUR-KUDGI	2	2111	0	29.1	0.0	29.1
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	1	101	1.5	0.0	1.5
WR-SR						52.1	88.1	-36.0

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)	685	531	571	13.70	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	901	828	832	19.96	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	126	89	95	2.28	
	NER	132kV GELEPHU-SALAKATI	45	0	34	0.82	
	NER	132kV MOTANGA-RANGIA	72	0	53	1.27	
NEPAL	NR	NEPAL IMPORT (FROM UP)	0	0	0	0.00	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	69	0	63	1.52	
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	705	500	595	14.28	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-916	-913	-915	-21.96	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1410	-709	-1116	-26.77	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-61	0	-51	-1.22	

