



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: GRID-INDIA/NLDC/SO/Daily PSP Report

दिनांक: 09.04.2025

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, शाहीद 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, लापालंग, 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 08.04.2025.

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 8-अप्रैल-2025 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध है।

As per article 38(1) of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 08.04.2025, is available at the NLDC website.

धन्यवाद,
Thanks

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 09-Apr-2025

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)	62484	70318	50836	27929	3179	214746
Peak Shortage (MW)	22	432	0	245	0	699
Energy Met (MU)	1319	1709	1310	623	61	5022
Hydro Gen (MU)	176	55	74	26	10	340
Wind Gen (MU)	43	94	38	-	-	175
Solar Gen (MU)*	199.39	144.34	140.11	4.06	1.08	489
Energy Shortage (MU)	0.45	1.61	0.00	0.58	0.06	2.70
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	62778	77094	62388	28650	3362	221557
Time Of Maximum Demand Met	20:09	15:59	15:37	23:01	18:33	16:30

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	0.032	0.00	0.47	3.29	3.76	80.19	16.05

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	7969	0	167.0	61.5	2.8	1050	0.00
	Haryana	8909	0	171.3	120.0	-0.7	719	0.00
	Rajasthan	14138	0	294.0	53.3	-3.7	641	0.00
	Delhi	4973	0	102.7	94.0	-0.7	368	0.00
	UP	23656	22	443.4	133.1	-0.1	820	0.45
	Uttarakhand	2308	0	45.7	28.2	0.4	115	0.00
	HP	1704	0	33.2	16.0	-0.3	704	0.00
	J&K(UT) & Ladakh(UT)	2741	0	53.2	40.7	-1.5	202	0.00
	Chandigarh	248	0	4.9	4.7	0.2	20	0.00
	Railways NR ISTS	200	0	4.2	3.9	0.3	40	0.00
WR	Chhattisgarh	6514	129	150.8	93.0	1.2	1346	1.39
	Gujarat	25321	0	501.0	187.3	-1.4	2332	0.00
	MP	13915	0	298.8	164.1	-1.1	785	0.22
	Maharashtra	29668	0	675.6	244.9	-0.5	664	0.00
	Goa	804	0	17.0	16.3	0.1	104	0.00
	DNHDDPDCL	1339	0	30.7	30.6	0.1	51	0.00
	AMNSIL	775	0	17.5	8.0	0.4	261	0.00
	BALCO	532	0	12.7	12.7	0.0	187	0.00
	RIL JAMNAGAR	196	0	4.7	4.7	0.0	0	0.00
	Andhra Pradesh	11808	0	233.0	75.5	-0.4	440	0.00
SR	Telangana	13581	0	267.1	131.1	1.2	735	0.00
	Karnataka	15792	0	307.4	115.6	-2.3	1093	0.00
	Kerala	4593	0	97.4	78.1	-0.1	461	0.00
	Tamil Nadu	18235	0	394.6	256.5	-4.1	687	0.00
	Puducherry	482	0	10.7	9.9	0.2	101	0.00
ER	Bihar	6685	0	135.8	127.9	1.6	317	0.58
	DVC	3202	0	70.4	-41.0	0.4	501	0.00
	Jharkhand	2207	0	47.2	36.0	0.2	155	0.00
	Odisha	5979	0	126.5	50.0	-2.1	435	0.00
	West Bengal	10944	0	241.8	106.6	-1.5	326	0.00
	Sikkim	94	0	1.6	1.2	0.4	56	0.00
	Railways ER ISTS	16	0	0.1	0.2	0.0	9	0.00
NER	Arunachal Pradesh	176	0	3.0	2.8	0.2	138	0.00
	Assam	2135	0	38.5	31.4	0.5	215	0.00
	Manipur	218	0	2.8	2.6	0.2	68	0.06
	Meghalaya	367	0	6.2	4.1	0.2	92	0.00
	Mizoram	129	0	2.1	1.9	-0.1	27	0.00
	Nagaland	168	0	2.5	2.5	0.0	33	0.00
	Tripura	310	0	6.1	4.7	0.6	94	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-6.1	-15.1	-23.1	-23.2
Day Peak (MW)	-541.0	-864.6	-981.0	-1379.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	62.3	-273.8	224.8	-32.3	19.1	0.0
Actual(MU)	52.6	-262.8	204.9	-24.5	21.4	-8.4
OD/UD(MU)	-9.7	11.0	-19.9	7.9	2.3	-8.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4216	7571	2992	2478	611	17868	42
State Sector	7254	7823	6246	2657	237	24217	58
Total	11470	15394	9238	5135	848	42085	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	835	1672	728	719	10	3964	73
Lignite	28	12	54	0	0	95	2
Hydro	176	55	74	26	10	340	6
Nuclear	31	64	71	0	0	165	3
Gas, Naptha & Diesel	20	52	14	0	24	110	2
RES (Wind, Solar, Biomass & Others)	260	242	221	5	1	730	14
Total	1351	2096	1162	750	45	5404	100

Share of RES in total generation (%)	19.27	11.55	19.02	0.67	2.40	13.50
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.58	17.21	31.50	4.10	24.09	22.86

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.057
Based on State Max Demands	1.096

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	221557	16:30	0
Non-Solar hr	217255	19:19	963

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: 09-Apr-2025

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	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	0	47	0.0	2.5	-2.5
3	765 kV	GAYA-VARANASI	2	1348	324	6.2	0.0	6.2
4	765 kV	SASARAM-FATEHPUR	1	509	284	0.0	0.2	-0.2
5	765 kV	GAYA-BALIA	1	197	566	0.0	6.0	-6.0
6	400 kV	PUSAULI-VARANASI	1	0	166	0.0	2.7	-2.7
7	400 kV	PUSAULI-ALLAHABAD	1	76	31	0.4	0.0	0.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	1129	233	7.9	0.0	7.9
9	400 kV	PATNA-BALIA	2	434	652	0.0	5.4	-5.4
10	400 kV	NAUBATPUR-BALIA	2	393	229	0.0	1.0	-1.0
11	400 kV	BIHARSHARIEF-BALIA	2	834	0	8.7	0.0	8.7
12	400 kV	MOTIHARI-GORAKHPUR	2	554	242	1.2	0.0	1.2
13	400 kV	BIHARSARIEF-SAHUPURI	2	0	0	2.4	0.0	2.4
14	220 kV	SAHUPURI-KARMANASA	1	18	57	0.0	0.5	-0.5
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	30	0	0.7	0.0	0.7
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
ER-NR						27.8	18.3	9.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1581	0	19.5	0.0	19.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1646	59	20.1	0.0	20.1
3	765 kV	JHARSUGUDA-DURG	2	0	868	0.0	14.7	-14.7
4	400 kV	JHARSUGUDA-RAIGARH	4	0	630	0.0	9.0	-9.0
5	400 kV	RANCHI-SIPAT	2	336	148	2.0	0.0	2.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	112	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	95	92	0.0	0.4	-0.4
ER-WR						41.6	25.8	15.9
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	114	0.0	2.7	-2.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1757	0.0	41.4	-41.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2757	0.0	49.6	-49.6
4	400 kV	TALCHER-I/C	2	609	632	0.7	0.0	0.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	93.6	-93.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	320	369	1.5	2.2	-0.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	552	450	0.3	0.0	0.3
3	220 kV	ALIPURDUAR-SALAKATI	2	71	83	0.0	0.2	-0.2
ER-NER						1.8	2.4	-0.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	1437	0	21.1	0.0	21.1
NER-NR						21.1	0.0	21.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1506	0.0	39.8	-39.8
2	HVDC	VINDHYACHAL B/B	-	0	55	0.0	1.2	-1.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1175	0.0	29.1	-29.1
4	765 kV	GWALIOR-AGRA	2	588	1534	1.8	12.3	-10.5
5	765 kV	GWALIOR-PHAGI	2	1682	1145	8.4	7.9	0.5
6	765 kV	JABALPUR-ORAI	2	540	822	0.0	8.9	-8.9
7	765 kV	GWALIOR-ORAI	1	834	0	12.6	0.0	12.6
8	765 kV	SATNA-ORAI	1	0	1139	0.0	18.8	-18.8
9	765 kV	BANASKANTHA-CHITTORGARH	2	1498	0	18.0	0.0	18.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	3018	0.0	52.6	-52.6
11	400 kV	ZERDA-KANKROLI	1	357	0	4.7	0.0	4.7
12	400 kV	ZERDA-BHINMAL	1	246	0	3.3	0.0	3.3
13	400 kV	VINDHYACHAL-RIHAND	1	963	0	20.6	0.0	20.6
14	400 kV	RAPP-SHUJALPUR	2	932	120	8.5	0.2	8.3
15	400 kV	NEEMUCH-Chittorgarh	2	582	155	5.5	0.3	5.3
16	220 kV	BHANPURA-RANPUR	1	0	138	0.0	2.6	-2.6
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3
18	220 kV	MEHGAON-AURAIYA	1	86	0	1.3	0.0	1.3
19	220 kV	MALANPUR-AURAIYA	1	67	0	0.8	0.0	0.8
20	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
21	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
WR-NR						85.4	175.9	-90.5
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	24.0	-24.0
2	HVDC	RAIGARH-PUGAUR	2	0	4005	0.0	78.0	-78.0
3	765 kV	SOLAPUR-RAICHUR	2	568	1484	2.1	7.2	-5.1
4	765 kV	WARDHA-NIZAMABAD	2	0	2499	0.0	35.4	-35.4
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2547	0.0	39.0	-39.0
6	400 kV	KOLHAPUR-KUDGI	2	1482	0	22.5	0.0	22.5
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	4	113	2.7	0.0	2.7
WR-SR						27.3	183.5	-156.3

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)	259	-100	77	1.85	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-309	-20	-164	-3.93	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-246	-88	-175	-4.19	
	NER	132kV GELEPHU-SALAKATI	-20	0	-6	-0.15	
	NER	132kV MOTANGA-RANGIA	28	0	13	0.30	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-76	0	-45	-1.08	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-57	-1.37	
	ER	NEPAL IMPORT (FROM BIHAR)	-243	-5	-135	-3.24	
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-622	-6	-394	-9.45	
	ER	BHERAMARA B/B HVDC (B'DESH)	-933	-882	-924	-22.18	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1379	-718	-967	-23.21	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-48	0	-38	-0.92	

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 09-Apr-2025

Export From India (in MU)

Export From India (in MTC)		T-GNA							TOTAL
Country	GNA (ISGS/PPA)	BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.00	0.37	6.33	0.00	0.00	0.15	0.00	0.00	6.85
Nepal	3.12	0.00	5.28	0.00	0.00	3.05	0.00	0.00	11.45
Bangladesh	22.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.92
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	26.04	0.37	11.61	0.00	0.00	3.20	0.00	0.00	41.22

Import by India(in MU)

Import by India (M€)									
Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77
Nepal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bangladesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Import	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77

Net from India(in MU)

-ve : Export / +ve : Import

Net from India (in M€)			T-GNA						-ve : Export / +ve : Import
Country	GNA (ISGS/PPA)	BILATERAL TOTAL	COLLECTIVE						TOTAL
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.77	-0.37	-6.33	0.00	0.00	-0.15	0.00	0.00	-6.08
Nepal	-3.12	0.00	-5.28	0.00	0.00	-3.05	0.00	0.00	-11.45
Bangladesh	-22.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.92
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-25.27	-0.37	-11.61	0.00	0.00	-3.20	0.00	0.00	-40.45

Date of Reporting: 09-Apr-2025

15 Min (INSTANTANEOUS) ALL INDIA GRID FREQUENCY, GENERATION & DEMAND MET (SCADA DATA)												
TIME	FREQUENCY (Hz)	DEMAND MET (MW)	NUCLEAR (MW)	WIND (MW)	SOLAR (MW)	HYDRO** (MW)	GAS (MW)	THERMAL (MW)	OTHERS* (MW)	NET DEMAND MET (MW)	TOTAL GENERATION (MW)	NET TRANSNATIONAL EXCHANGE (MW) (+ve) Import, (-ve) Export
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I=A-(C+D))	(J=B+C+D+E+F+G+H)	(K)
0:00	50.07	207865	6472	11930	93	16978	4576	168595	2075	195842	210719	-1416
0:15	50.02	207616	6443	11949	92	15930	4628	169449	2098	195575	210589	-1473
0:30	50.07	205285	6434	11709	90	15870	4485	167618	2100	193486	208306	-1496
0:45	50.01	203974	6463	11622	88	15253	4481	166832	2116	192264	206855	-1516
1:00	49.96	202256	6451	11498	84	14511	4406	166283	2115	190674	205348	-1583
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