



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: 11.04.2025

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 10.04.2025.

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 10-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 10.04.2025, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 11-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)	56740	69375	50543	19789	2569	199016
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1264	1704	1307	525	54	4854
Hydro Gen (MU)	181	35	58	18	9	302
Wind Gen (MU)	31	156	113	-	-	299
Solar Gen (MU)*	207.59	142.30	129.91	3.78	0.84	484
Energy Shortage (MU)	0.00	0.00	0.00	0.00	0.11	0.11
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59814	75096	63324	27706	2752	212311
Time Of Maximum Demand Met	00:01	15:49	14:54	00:01	18:51	00:00

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	0.046	0.00	0.00	1.31	1.31	71.30	27.39

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	9343	0	185.5	90.2	-1.0	587	0.00
	Haryana	8612	0	170.9	125.9	-2.6	528	0.00
	Rajasthan	13934	0	289.1	68.9	-6.7	579	0.00
	Delhi	5203	0	108.2	96.9	-2.3	217	0.00
	UP	20462	0	372.1	128.7	-2.8	631	0.00
	Uttarakhand	2125	0	38.3	28.4	-1.8	165	0.00
	HP	1664	0	33.8	16.1	0.3	526	0.00
	J&K(UT) & Ladakh(UT)	2686	0	56.7	42.3	-0.7	240	0.00
	Chandigarh	259	0	5.2	5.0	0.1	20	0.00
	Railways NR ISTS	194	0	4.1	3.9	0.2	37	0.00
WR	Chhattisgarh	6379	0	143.8	83.2	-1.9	315	0.00
	Gujarat	25095	0	504.5	185.9	-4.5	678	0.00
	MP	13928	0	294.9	172.9	-5.7	602	0.00
	Maharashtra	29442	0	678.0	249.8	0.7	630	0.00
	Goa	803	0	17.3	16.9	-0.2	39	0.00
	DNHDDPDCL	1346	0	30.6	31.0	-0.4	54	0.00
	AMNSIL	819	0	17.6	7.8	0.6	306	0.00
	BALCO	534	0	12.5	12.7	-0.2	53	0.00
	RIL JAMNAGAR	197	0	4.7	4.7	0.0	0	0.00
	Andhra Pradesh	12016	0	236.1	75.4	-2.2	412	0.00
SR	Telangana	12956	0	256.6	137.3	-2.3	446	0.00
	Karnataka	15055	0	305.4	112.8	-1.4	1013	0.00
	Kerala	4725	0	95.6	78.3	0.9	412	0.00
	Tamil Nadu	18799	0	402.2	240.7	-4.2	927	0.00
	Puducherry	510	0	11.2	10.4	0.3	52	0.00
	Bihar	6117	0	85.5	81.4	-2.2	304	0.00
	DVC	3161	0	67.0	33.0	-0.1	632	0.00
ER	Jharkhand	2053	0	37.3	34.1	-6.1	70	0.00
	Odisha	5849	0	120.1	40.2	-2.5	332	0.00
	West Bengal	10629	0	213.7	85.3	-4.8	344	0.00
	Sikkim	99	0	1.7	1.5	0.1	49	0.00
	Railways ER ISTS	15	0	0.2	0.2	0.0	4	0.00
NER	Arunachal Pradesh	136	0	2.8	2.8	-0.1	50	0.00
	Assam	1648	0	32.1	26.0	0.1	125	0.00
	Manipur	207	0	3.0	2.7	0.2	45	0.11
	Meghalaya	339	0	5.8	4.2	-0.4	52	0.00
	Mizoram	131	0	1.9	1.8	-0.2	22	0.00
	Nagaland	149	0	2.4	2.5	-0.1	23	0.00
	Tripura	273	0	6.0	4.8	0.4	68	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-4.3	-8.6	-23.3	-18.0
Day Peak (MW)	-410.0	-582.7	-998.0	-766.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	122.7	-265.7	217.9	-91.2	16.4	0.0
Actual(MU)	106.2	-237.5	207.1	-99.2	16.6	-6.8
O/D/U/D(MU)	-16.5	28.2	-10.8	-8.0	0.2	-6.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5459	7366	3268	3128	611	19832	47
State Sector	7889	7100	6286	1177	139	22590	53
Total	13348	14465	9554	4305	750	42422	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	743	1615	679	694	9	3740	72
Lignite	27	12	47	0	0	87	2
Hydro	181	35	58	18	9	302	6
Nuclear	26	65	71	0	0	161	3
Gas, Naptha & Diesel	14	42	10	0	23	90	2
RES (Wind, Solar, Biomass & Others)	253	300	284	5	1	843	16
Total	1245	2069	1149	718	42	5223	100

Share of RES in total generation (%)	20.35	14.49	24.72	0.73	2.04	16.15
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	36.99	19.31	35.91	3.30	23.84	25.01

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.077
Based on State Max Demands	1.120

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	211336	15:30	10
Non-Solar hr	212311	0:00	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: 11-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	2.4	-2.4
3	765 kV	GAYA-VARANASI	2	1055	1288	0.0	3.2	-3.2
4	765 kV	SASARAM-FATEHPUR	1	325	786	0.0	5.1	-5.1
5	765 kV	GAYA-BALIA	1	264	688	0.0	5.5	-5.5
6	400 kV	PUSAULI-VARANASI	1	39	140	0.0	1.7	-1.7
7	400 kV	PUSAULI-ALLAHABAD	1	50	144	0.0	0.9	-0.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	669	792	1.0	0.0	1.0
9	400 kV	PATNA-BALIA	2	376	1137	0.0	8.9	-8.9
10	400 kV	NAUBATPUR-BALIA	2	164	583	0.0	2.6	-2.6
11	400 kV	BIHARSHARIFF-BALIA	2	605	184	3.9	0.0	3.9
12	400 kV	MOTIHARI-GORAKHPUR	2	289	625	0.0	3.7	-3.7
13	400 kV	BIHARSHARIFF-SAHUPURI	2	0	0	0.0	1.5	-1.5
14	220 kV	SAHUPURI-KARMANASA	1	37	70	0.0	0.5	-0.5
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.4	0.0	0.4
16	132 kV	GARWAH-RIHAND	1	30	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-CHANDAUJI	1	0	0	0.0	0.0	0.0
ER-NR						5.6	35.9	-30.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	2099	0	18.0	0.0	18.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1236	1064	6.0	0.0	6.0
3	765 kV	JHARSUGUDA-DURG	2	0	1049	0.0	16.1	-16.1
4	400 kV	JHARSUGUDA-RAIGARH	4	0	686	0.0	8.9	-8.9
5	400 kV	RANCHI-SIPAT	2	236	394	0.0	1.1	-1.1
6	220 kV	BUDHIPADAR-RAIGARH	1	0	155	0.0	2.1	-2.1
7	220 kV	BUDHIPADAR-KORBA	2	124	89	0.4	0.0	0.4
ER-WR						24.4	28.1	-3.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	117	0.0	2.7	-2.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1766	0.0	48.1	-48.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	3179	0.0	55.0	-55.0
4	400 kV	TALCHER-UC	2	0	989	0.0	8.1	-8.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	105.8	-105.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	281	246	0.0	0.8	-0.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	471	319	0.0	0.9	-0.9
3	220 kV	ALIPURDUAR-SALAKATI	2	67	68	0.0	0.3	-0.3
ER-NER						0.0	1.9	-1.9
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALLAGRA	2	938	0	15.0	0.0	15.0
NER-NR						15.0	0.0	15.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2281	0.0	52.7	-52.7
2	HVDC	VINDHYACHAL B/B	2	48	55	0.7	0.5	0.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1174	0.0	29.1	-29.1
4	765 kV	GWALIOR-AGRA	2	805	1487	3.3	12.7	-9.3
5	765 kV	GWALIOR-PHAGI	2	1720	1172	9.7	10.9	-1.2
6	765 kV	JABALPUR-ORAI	2	638	808	0.0	9.4	-9.4
7	765 kV	GWALIOR-ORAI	1	805	9	12.0	0.0	12.0
8	765 kV	SATNA-ORAI	1	0	1272	0.0	19.6	-19.6
9	765 kV	BANASKANTHA-CHITORGARH	2	1319	335	13.7	0.4	13.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	2872	0.0	39.4	-39.4
11	400 kV	ZERDA-KANKROLI	1	381	23	4.3	0.0	4.3
12	400 kV	ZERDA-BHINMAL	1	264	16	3.0	0.0	3.0
13	400 kV	VINDHYACHAL-RIHAND	1	961	0	20.1	0.0	20.1
14	400 kV	RAPP-SIHUALPUR	2	997	203	3.0	0.3	2.7
15	400 kV	NEEMUCH-Chitorgarh	2	941	210	7.1	0.0	7.1
16	220 kV	BHANPURA-BANPUR	1	0	149	0.0	2.9	-2.9
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.0	-2.0
18	220 kV	MEHGAON-AURAIYA	1	87	0	1.2	0.0	1.2
19	220 kV	MALANPUR-AURAIYA	1	69	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	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
WR-NR						83.8	179.9	-96.1
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	24.0	-24.0
2	HVDC	RAIGARH-PUGALUR	2	0	4511	0.0	71.2	-71.2
3	765 kV	SOLAPUR-RAICHUR	2	848	1266	4.1	5.0	-0.9
4	765 kV	WARDHA-NIZAMABAD	2	0	2969	0.0	37.4	-37.4
5	765 kV	WARORA-WARANGAL(NEW)	2	0	3056	0.0	41.3	-41.3
6	400 kV	KOLHAPUR-KUDGI	2	1507	0	27.4	0.0	27.4
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	122	2.7	0.0	2.7
WR-SR						34.2	179.0	-144.8

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)	351	-126	164	3.93	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-282	34	-140	-3.35	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-316	-68	-192	-4.61	
	NER	132kV GELEPHU-SALAKATI	-23	0	-10	-0.24	
	NER	132kV MOTANGA-RANGIA	22	-16	6	0.14	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-41	0	-29	-0.70	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-41	0	-4	-0.09	
	ER	NEPAL IMPORT (FROM BIHAR)	-267	0	-169	-4.05	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-357	20	-156	-3.74	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-948	-889	-931	-22.35	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-766	-506	-749	-17.98	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-50	0	-41	-0.98	

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 11-Apr-2025

Export From India (in MU)

Export From India (in M€)									
Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.00	0.39	6.68	0.00	0.00	0.00	0.00	0.00	7.07
Nepal	4.38	0.00	4.80	0.00	0.00	0.90	0.00	0.00	10.08
Bangladesh	23.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.09
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	27.47	0.39	11.48	0.00	0.00	0.90	0.00	0.00	40.24

Import by India(in MU)

Import by India(in MU)									
Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	2.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.57
Nepal	0.00	0.00	0.00	0.00	0.00	2.09	0.00	0.00	2.09
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	2.57	0.00	0.00	0.00	0.00	2.09	0.00	0.00	4.66

Net from India(in MU)

-ve : Export / +ve : Import

Net from India(in MU)

-ve : Export / +ve : Import

Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	2.57	-0.39	-6.68	0.00	0.00	0.00	0.00	0.00	-4.50
Nepal	-4.38	0.00	-4.80	0.00	0.00	1.19	0.00	0.00	-7.99
Bangladesh	-23.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.09
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-24.90	-0.39	-11.48	0.00	0.00	1.19	0.00	0.00	-35.58

Date of Reporting: 11-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)
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I=A-(C+D))	(J=B+C+D+E+F+G+H)	(K)
0:00	50.02	212311	6187	9985	361	18925	4909	172121	2067	201965	214555	-1041
0:15	50.02	211599	6198	10370	321	17236	5033	172513	2052	200908	213723	-1076
0:30	50.02	209960	6223	10496	311	16027	4786	172141	2033	199153	212017	-1112
0:45	50.02	207922	6217	10590	364	15294	4593	170987	2041	196968	210086	-1114
1:00	50.07	206911	6256	10613	389	15213	4393	170193	2030	195909	209087	-1116
1:15	50.02	204817	6263	10679	388	13839	4295	169505	2071	193750	207040	-1166
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