



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: 10.04.2025

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 09.04.2025.

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 9-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 09.04.2025, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 10-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)	62818	70345	52368	27307	3125	215963
Peak Shortage (MW)	0	0	0	460	0	460
Energy Met (MU)	1373	1723	1315	607	58	5076
Hydro Gen (MU)	182	61	82	27	9	361
Wind Gen (MU)	31	104	33	-	-	168
Solar Gen (MU)*	198.58	152.25	140.66	4.17	0.75	496
Energy Shortage (MU)	0.04	0.70	0.00	1.90	0.05	2.69
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63242	77593	62758	28271	3244	223554
Time Of Maximum Demand Met	20:29	16:01	15:40	22:40	18:18	16:27

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	0.039	0.00	1.09	4.96	6.05	76.55	17.39

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	9194	0	176.7	67.8	4.6	1837	0.00
	Haryana	9207	0	179.7	126.8	-0.6	659	0.00
	Rajasthan	14546	0	297.7	60.3	-4.5	620	0.00
	Delhi	5396	0	111.2	100.5	-0.2	513	0.00
	UP	23770	0	466.7	152.5	-1.6	374	0.00
	Uttarakhand	2138	0	45.3	27.4	-0.3	374	0.04
	HP	1794	0	34.3	15.2	0.2	752	0.00
	J&K(UT) & Ladakh(UT)	2667	0	52.3	38.8	0.2	338	0.00
	Chandigarh	262	0	5.3	5.0	0.2	23	0.00
WR	Railways NR ISTS	211	0	4.2	3.8	0.4	55	0.00
	Chhattisgarh	6493	65	147.3	87.0	-1.6	420	0.34
	Gujarat	24928	0	500.1	182.6	-3.2	716	0.00
	MP	14216	0	305.9	172.6	-0.9	417	0.36
	Maharashtra	30259	0	686.2	241.3	-0.5	622	0.00
	Goa	808	0	17.1	16.3	0.2	69	0.00
	DNHDDPDCL	1339	0	30.9	31.2	-0.3	71	0.00
	AMNSIL	808	0	18.2	7.8	0.8	313	0.00
	BALCO	533	0	12.7	12.7	0.0	74	0.00
SR	RIL JAMNAGAR	197	0	4.7	4.7	0.0	0	0.00
	Andhra Pradesh	11643	0	234.3	74.0	4.6	1075	0.00
	Telangana	13682	0	268.3	140.4	-0.3	1008	0.00
	Karnataka	15506	0	307.6	112.1	1.9	1907	0.00
	Kerala	4813	0	95.4	73.6	0.3	752	0.00
	Tamil Nadu	18570	0	399.1	254.0	-1.3	727	0.00
	Puducherry	497	0	10.7	10.2	0.0	34	0.00
ER	Bihar	6296	235	124.5	120.0	-0.9	460	1.90
	DVC	3307	0	72.2	-42.2	0.2	685	0.00
	Jharkhand	2102	0	45.5	38.2	-0.3	208	0.00
	Odisha	6076	0	126.0	45.3	-0.5	399	0.00
	West Bengal	10852	0	237.2	103.4	-2.0	363	0.00
	Sikkim	98	0	1.7	1.1	0.6	67	0.00
	Railways ER ISTS	16	0	0.2	0.2	0.1	8	0.00
NER	Arunachal Pradesh	176	0	3.0	2.6	0.3	104	0.00
	Assam	2011	0	35.2	29.1	-0.1	260	0.00
	Manipur	179	0	2.8	2.5	0.3	69	0.05
	Meghalaya	357	0	6.0	4.0	0.0	252	0.00
	Mizoram	122	0	2.1	1.9	-0.1	25	0.00
	Nagaland	162	0	2.5	2.5	0.0	31	0.00
	Tripura	363	0	6.0	4.6	0.6	96	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-5.6	-13.5	-23.1	-18.0
Day Peak (MW)	-525.0	-870.4	-988.0	-763.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	97.9	-277.8	210.3	-47.4	17.0	0.0
Actual(MU)	92.5	-286.9	209.1	-41.3	17.8	-8.8
O/D/U/D(MU)	-5.4	-9.1	-1.1	6.2	0.7	-8.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4158	7226	3052	2638	611	17684	44
State Sector	6594	7448	5516	2447	237	22242	56
Total	10752	14674	8568	5085	848	39926	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	865	1688	734	714	10	4011	73
Lignite	29	13	50	0	0	91	2
Hydro	182	61	82	27	9	361	7
Nuclear	30	64	71	0	0	164	3
Gas, Naptha & Diesel	21	57	14	0	24	116	2
RES (Wind, Solar, Biomass & Others)	245	259	213	5	1	723	13
Total	1371	2140	1164	747	44	5466	100

Share of RES in total generation (%)	17.87	12.09	18.28	0.69	1.73	13.22
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.28	17.92	31.43	4.37	21.66	22.83

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.051
Based on State Max Demands	1.098

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	223554	16:27	0
Non-Solar hr	217906	22:43	136

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: **10-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	1329	528	5.4	0.0	5.4
4	765 kV	SASARAM-FATEHPUR	1	453	380	0.0	1.4	-1.4
5	765 kV	GAYA-BALIA	1	157	535	0.0	6.7	-6.7
6	400 kV	PUSAULI-VARANASI	1	0	184	0.0	2.6	-2.6
7	400 kV	PUSAULI -ALLAHABAD	1	89	35	0.3	0.0	0.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	930	269	4.8	0.0	4.8
9	400 kV	PATNA-BALIA	2	370	773	0.0	6.5	-6.5
10	400 kV	NAUBATPUR-BALIA	2	245	350	0.0	1.7	-1.7
11	400 kV	BIHARSHARIFF-BALIA	2	738	3	7.2	0.0	7.2
12	400 kV	MOTIHARI-GORAKHPUR	2	486	262	0.9	0.0	0.9
13	400 kV	BIHARSARIFF-SAHUPURI	2	0	0	1.5	0.0	1.5
14	220 kV	SAHUPURI-KARAMNASA	1	13	53	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	0.5	0.0	0.5
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						20.6	21.4	-0.9
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1433	0	18.4	0.0	18.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1711	0	21.1	0.0	21.1
3	765 kV	JHARSUGUDA-DURG	2	0	947	0.0	15.4	-15.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	605	0.0	8.3	-8.3
5	400 kV	RANCHI-SIPAT	2	319	100	2.4	0.0	2.4
6	220 kV	BUDHIPADAR-RAIGARH	1	14	93	0.0	1.2	-1.2
7	220 kV	BUDHIPADAR-KORBA	2	105	56	0.7	0.0	0.7
ER-WR						42.7	24.9	17.8
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	1764	0.0	47.4	-47.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	3032	0.0	54.0	-54.0
4	400 kV	TALCHER-I/C	2	225	964	0.0	4.7	-4.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	104.0	-104.0
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	240	351	1.2	1.8	-0.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	413	281	1.2	0.0	1.2
3	220 kV	ALIPURDUAR-SALAKATI	2	52	82	0.0	0.0	0.0
ER-NER						2.3	1.8	0.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	997	0	18.4	0.0	18.4
NER-NR						18.4	0.0	18.4
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1506	0.0	48.3	-48.3
2	HVDC	VINDHYACHAL B/B	-	0	54	0.0	1.3	-1.3
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1172	0.0	29.1	-29.1
4	765 kV	GWALIOR-AGRA	2	334	1608	0.9	15.5	-14.7
5	765 kV	GWALIOR-PHAGI	2	1448	1082	7.8	9.1	-1.3
6	765 kV	JABALPUR-ORAI	2	418	806	0.0	14.0	-14.0
7	765 kV	GWALIOR-ORAI	1	810	0	13.1	0.0	13.1
8	765 kV	SATNA-ORAI	1	0	1157	0.0	19.8	-19.8
9	765 kV	BANASKANTHA-CHITORGARH	2	1430	593	14.0	1.0	13.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	3085	0.0	55.3	-55.3
11	400 kV	ZERDA-KANKROLI	1	377	68	4.0	0.0	4.0
12	400 kV	ZERDA -BHINMAL	1	260	47	2.8	0.0	2.8
13	400 kV	VINDHYACHAL -RIHAND	1	973	0	21.6	0.0	21.6
14	400 kV	RAPP-SHUJALPUR	2	881	150	8.0	0.1	7.9
15	400 kV	NEEMUCH-Chittorgarh	2	886	102	6.2	0.3	5.9
16	220 kV	BHANPURA-RANPUR	1	0	153	0.0	2.8	-2.8
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.0	-2.0
18	220 kV	MEHGAON-AURAIYA	1	84	0	1.3	0.0	1.3
19	220 kV	MALANPUR-AURAIYA	1	61	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						80.4	198.6	-118.2
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1013	0.0	24.0	-24.0
2	HVDC	RAIGARH-PUGALUR	2	0	4005	0.0	59.6	-59.6
3	765 kV	SOLAPUR-RAICHUR	2	452	1381	0.8	11.1	-10.3
4	765 kV	WARDHA-NIZAMABAD	2	0	2654	0.0	38.2	-38.2
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2842	0.0	42.1	-42.1
6	400 kV	KOLHAPUR-KUDGI	2	1426	0	20.7	0.0	20.7
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	113	2.7	0.0	2.7
WR-SR						24.2	174.9	-150.7

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)	273	-90	113	2.70	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-310	5	-158	-3.79	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-264	-97	-184	-4.40	
	NER	132kV GELEPHU-SALAKATI	-23	0	-13	-0.30	
	NER	132kV MOTANGA-RANGIA	21	0	6	0.15	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-73	0	-46	-1.10	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-73	0	-51	-1.23	
	ER	NEPAL IMPORT (FROM BIHAR)	-312	0	-133	-3.20	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-567	-10	-333	-7.99	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-938	-870	-922	-22.12	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-763	-730	-750	-18.00	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-50	0	-40	-0.96	

Export From India (in MU)

Country	GNA (ISGS/PPA)	T-GNA							TOTAL	
		BILATERAL TOTAL	COLLECTIVE							
			IDAM			RTM				
			IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	0.00	0.39	6.72	0.00	0.00	0.00	0.00	0.00	7.11	
Nepal	3.15	0.00	5.06	0.00	0.00	0.00	2.47	0.00	0.00	10.68
Bangladesh	22.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.89
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	26.04	0.39	11.78	0.00	0.00	0.00	2.47	0.00	0.00	40.68

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90
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	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90

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	0.90	-0.39	-6.72	0.00	0.00	0.00	0.00	0.00	-6.21
Nepal	-3.15	0.00	-5.06	0.00	0.00	-2.47	0.00	0.00	-10.68
Bangladesh	-22.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.89
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-25.14	-0.39	-11.78	0.00	0.00	-2.47	0.00	0.00	-39.78

Date of Reporting: 10-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 GENERATIO N (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	50.06	209772	6427	10419	146	18847	4489	170554	1965	199207	212847	-1281
0:15	50.01	208807	6442	10232	149	17841	4546	170927	1929	198426	212066	-1289
0:30	50.01	207388	6401	9956	151	17789	4507	169709	1943	197281	210456	-1335
0:45	49.96	206155	6416	9588	142	17330	4505	169520	1929	196425	209430	-1326
1:00	49.96	205045	6423	9116	144	17134	4435	168872	1964	195785	208088	-1386
1:15	49.96	204218	6429	9003	150	16843	4348	168725	1943	195065	207441	-1439
1:30	49.96	202199	6445	9042	135	15537	4152	168336	2005	193022	205652	-1504
1:45	49.91	200461	6422	9291	136	13938	3931	168320	1939	191034	203977	-1559
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