



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: 26.04.2025

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 25.04.2025.

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 25-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 25.04.2025, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 26-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)	67856	70102	53757	29151	2931	223797
Peak Shortage (MW)	113	378	35	235	0	761
Energy Met (MU)	1478	1742	1353	664	56	5293
Hydro Gen (MU)	200	56	83	32	15	386
Wind Gen (MU)	35	124	54	-	-	213
Solar Gen (MU)*	216.75	154.96	135.28	3.83	1.18	512
Energy Shortage (MU)	2.49	2.78	0.14	1.73	0.00	7.14
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	69486	78773	64560	31150	3127	235190
Time Of Maximum Demand Met	21:55	15:42	15:29	23:35	18:35	15:32

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	0.029	0.00	0.13	4.43	4.56	84.28	11.16

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	10349	0	196.4	79.2	-0.9	501	0.00
	Haryana	9537	0	200.0	137.9	0.2	304	1.66
	Rajasthan	15124	0	307.8	91.9	-3.1	945	0.00
	Delhi	5667	0	117.1	103.1	-4.1	126	0.00
	UP	25568	0	505.1	156.8	-0.1	283	0.00
	Uttarakhand	2282	75	48.9	27.9	0.3	228	0.83
	HP	1752	0	35.9	16.6	-0.3	523	0.00
	J&K(UT) & Ladakh(UT)	2699	0	56.8	40.0	-0.6	194	0.00
	Chandigarh	297	0	5.8	5.8	0.0	13	0.00
WR	Railways_NR ISTS	205	0	4.4	3.6	0.7	68	0.00
	Chhattisgarh	6798	0	153.3	90.6	2.7	603	2.11
	Gujarat	25887	0	515.2	174.8	-4.5	1003	0.00
	MP	14094	0	311.0	180.3	-2.1	1084	0.00
	Maharashtra	29781	0	679.5	234.7	2.1	865	0.67
	Goa	818	0	17.7	17.1	0.1	77	0.00
	DNHDDPDCL	1350	0	31.5	31.4	0.1	72	0.00
	AMNSIL	889	0	19.7	9.3	-0.4	216	0.00
	BALCO	531	0	12.7	12.4	0.3	0	0.00
SR	RIL JAMNAGAR	159	0	1.5	1.5	0.0	0	0.00
	Andhra Pradesh	13117	0	254.2	82.6	-0.4	563	0.00
	Telangana	11927	0	240.9	94.1	-2.2	456	0.00
	Karnataka	15806	0	306.1	102.3	-2.2	550	0.00
	Kerala	5123	0	102.6	76.4	-0.5	508	0.00
	Tamil Nadu	19948	0	438.1	272.3	1.3	839	0.00
	Puducherry	521	35	11.3	11.3	0.0	38	0.14
ER	Bihar	7051	0	145.0	134.2	-0.5	475	0.08
	DVC	3254	0	72.2	-31.4	0.3	462	0.00
	Jharkhand	2043	0	45.4	37.7	0.8	340	1.65
	Odisha	6629	0	137.6	49.6	-2.5	382	0.00
	West Bengal	12321	0	261.8	124.3	-1.5	271	0.00
	Sikkim	92	0	1.8	1.4	0.4	48	0.00
	Railways_ER ISTS	28	0	0.2	0.2	0.0	10	0.00
NER	Arunachal Pradesh	141	0	2.6	2.7	-0.2	52	0.00
	Assam	1873	0	34.4	27.5	0.2	181	0.00
	Manipur	217	0	3.1	2.8	0.3	64	0.00
	Meghalaya	320	0	4.9	0.0	0.0	91	0.00
	Mizoram	126	0	2.0	1.7	0.0	29	0.00
	Nagaland	170	0	2.6	2.6	-0.1	29	0.00
	Tripura	332	0	6.3	4.8	0.7	85	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	2.6	-13.4	-22.2	-32.1
Day Peak (MW)	316.0	-969.9	-991.0	-1388.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	127.5	-310.2	198.9	-25.0	8.8	0.0
Actual(MU)	115.8	-300.1	196.1	-29.4	9.4	-8.3
O/D/U/D(MU)	-11.7	10.1	-2.8	-4.5	0.6	-8.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2282	6231	4002	2493	576	15584	45
State Sector	5189	7535	4046	1934	169	18873	55
Total	7471	13766	8048	4427	745	34457	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	908	1695	780	743	10	4137	72
Lignite	15	14	45	0	0	73	1
Hydro	200	56	83	32	15	386	7
Nuclear	33	50	71	0	0	154	3
Gas, Naptha & Diesel	50	92	17	0	24	183	3
RES (Wind, Solar, Biomass & Others)	261	281	230	5	1	778	14
Total	1467	2188	1226	780	50	5711	100

Share of RES in total generation (%)	17.81	12.84	18.75	0.62	2.36	13.62
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.71	17.66	31.30	4.76	32.39	23.08

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.050
Based on State Max Demands	1.083

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	235190	15:32	0
Non-Solar hr	227445	22:41	800

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: 26-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	1320	519	0.0	5.3	-5.3
4	765 kV	SASARAM-FATEHPUR	1	584	208	2.2	0.0	2.2
5	765 kV	GAYA-BALIA	1	155	533	0.0	5.6	-5.6
6	400 kV	PUSAULI-VARANASI	1	0	198	0.0	2.6	-2.6
7	400 kV	PUSAULI -ALLAHABAD	1	108	47	0.3	0.0	0.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	993	174	6.3	0.0	6.3
9	400 kV	PATNA-BALIA	2	589	601	0.0	3.3	-3.3
10	400 kV	NAUBATPUR-BALIA	2	259	172	0.0	0.3	-0.3
11	400 kV	BIHARSHARIFF-BALIA	2	789	0	9.1	0.0	9.1
12	400 kV	MOTIHARI-GORAKHPUR	2	398	289	0.0	0.9	-0.9
13	400 kV	BIHARSARIFF-SAHUPURI	2	249	88	2.2	0.0	2.2
14	220 kV	SAHUPURI-KARAMNASA	1	17	111	1.3	0.0	1.3
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	0	0	0.0	0.0	0.0
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						21.5	20.4	1.1
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1033	609	0.0	0.2	-0.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1726	0	23.5	0.0	23.5
3	765 kV	JHARSUGUDA-DURG	2	0	942	0.0	15.9	-15.9
4	400 kV	JHARSUGUDA-RAIGARH	4	0	700	0.0	10.5	-10.5
5	400 kV	RANCHI-SIPAT	2	385	66	3.4	0.0	3.4
6	220 kV	BUDHIPADAR-RAIGARH	1	0	104	0.0	1.4	-1.4
7	220 kV	BUDHIPADAR-KORBA	2	86	100	0.0	0.6	-0.6
ER-WR						26.9	28.6	-1.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	215	111	2.2	0.0	2.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1759	0.0	37.2	-37.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2735	0.0	48.1	-48.1
4	400 kV	TALCHER-I/C	2	387	148	6.8	0.0	6.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						2.2	85.3	-83.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	288	150	3.1	0.5	2.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	481	242	4.3	0.0	4.3
3	220 kV	ALIPURDUAR-SALAKATI	2	106	19	1.2	0.0	1.2
ER-NER						8.5	0.5	8.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	939	0	16.8	0.0	16.8
NER-NR						16.8	0.0	16.8
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3016	0.0	54.1	-54.1
2	HVDC	VINDHYACHAL B/B	-	98	0	2.6	0.0	2.6
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1172	0.0	29.1	-29.1
4	765 kV	GWALIOR-AGRA	2	334	1922	0.5	21.4	-20.9
5	765 kV	GWALIOR-PHAGI	2	1460	1238	8.1	13.1	-5.0
6	765 kV	JABALPUR-ORAI	2	488	909	0.0	15.6	-15.6
7	765 kV	GWALIOR-ORAI	1	646	0	10.2	0.0	10.2
8	765 kV	SATNA-ORAI	1	0	954	0.0	16.2	-16.2
9	765 kV	BANASKANTHA-CHITORGARH	2	1225	940	8.6	5.6	3.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	2852	0.0	50.1	-50.1
11	400 kV	ZERDA-KANKROLI	1	375	161	3.0	0.7	2.3
12	400 kV	ZERDA -BHINMAL	1	259	111	2.1	0.5	1.6
13	400 kV	VINDHYACHAL -RIHAND	1	969	0	21.4	0.0	21.4
14	400 kV	RAPP-SHUJALPUR	2	641	205	4.7	1.3	3.4
15	400 kV	NEEMUCH-Chittorgarh	2	851	290	6.7	1.3	5.4
16	220 kV	BHANPURA-RANPUR	1	0	92	0.0	1.5	-1.5
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.9	-1.9
18	220 kV	MEHGAON-AURAIYA	1	98	0	1.6	0.0	1.6
19	220 kV	MALANPUR-AURAIYA	1	66	0	1.0	0.0	1.0
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						70.5	212.3	-141.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1011	0.0	21.2	-21.2
2	HVDC	RAIGARH-PUGALUR	2	0	5012	0.0	105.7	-105.7
3	765 kV	SOLAPUR-RAICHUR	2	1036	981	4.7	4.0	0.7
4	765 kV	WARDHA-NIZAMABAD	2	0	2028	0.0	23.2	-23.2
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2474	0.0	31.7	-31.7
6	400 kV	KOLHAPUR-KUDGI	2	1319	0	18.7	0.0	18.7
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	136	2.7	0.0	2.7
WR-SR						26.0	185.9	-159.9

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)	465	200	320	7.67	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-191	27	-72	-1.73	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-177	-97	-146	-3.50	
	NER	132kV GELEPHU-SALAKATI	-19	0	-4	-0.10	
	NER	132kV MOTANGA-RANGIA	28	0	11	0.27	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-74	0	-48	-1.15	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-74	0	-53	-1.27	
	ER	NEPAL IMPORT (FROM BIHAR)	-270	0	-103	-2.47	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-700	-52	-353	-8.46	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-946	-801	-885	-21.23	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1389	-1245	-1338	-32.12	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-45	0	-39	-0.94	

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	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.40	
Nepal	2.54	0.00	3.94	0.00	0.00	0.00	2.68	0.00	0.00	9.16
Bangladesh	22.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.01
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	24.55	0.40	3.94	0.00	0.00	0.00	2.68	0.00	0.00	31.57

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	2.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.45
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	2.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.45

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	2.45	-0.40	0.00	0.00	0.00	0.00	0.00	0.00	2.05
Nepal	-2.54	0.00	-3.94	0.00	0.00	-2.68	0.00	0.00	-9.16
Bangladesh	-22.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.01
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-22.10	-0.40	-3.94	0.00	0.00	-2.68	0.00	0.00	-29.12

Date of Reporting: 30. Sep. 2014												
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 TRANSGRANATIONAL EXCHANGE (MW) (=ve) Import, (=+ve) Export
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I=A-C+D)	(J=H+G+H)	(K)
0.00	50.01	214034	5506	10699	266	21803	9917	176542	1952	213069	226775	-846
0.15	50.01	214099	5558	10786	269	20597	9622	177126	1955	212494	224863	-803
0.30	49.98	214164	5612	10810	271	20510	9046	176460	1955	210773	224664	-812
0.45	50.03	220146	5619	11109	272	19937	8680	175475	1959	208765	223051	-825
1.00	50.03	214882	5596	11237	274	19523	8376	174890	1999	207371	221895	-802
1.15	49.98	217566	5611	10865	144	18875	8099	174606	1979	206457	220179	-796
1.30	49.98	216692	5594	10888	144	18585	7756	174458	2032	205660	219457	-816
1.45	49.98	215399	5612	10715	143	18263	7396	174425	1999	204541	218553	-858
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