



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: 19.04.2025

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 18.04.2025.

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 18-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 18.04.2025, 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: 19-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)	60281	69749	49802	23316	2852	206000
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1379	1717	1268	502	54	4920
Hydro Gen (MU)	237	48	66	22	12	385
Wind Gen (MU)	58	165	68	-	-	291
Solar Gen (MU)*	195.65	145.79	135.66	3.03	1.17	481
Energy Shortage (MU)	0.00	0.00	0.00	0.00	0.00	0.00
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	65515	77119	59929	24071	3054	213872
Time Of Maximum Demand Met	00:00	15:48	11:56	19:31	18:36	10:53

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	0.023	0.00	0.03	3.55	3.59	87.29	9.12

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	9430	0	180.7	83.9	-2.2	764	0.00
	Haryana	9618	0	180.6	134.1	-3.4	671	0.00
	Rajasthan	14700	0	307.3	85.3	-5.1	940	0.00
	Delhi	5509	0	114.2	105.0	-2.6	228	0.00
	UP	23988	0	454.0	163.6	-1.5	914	0.00
	Uttarakhand	2318	0	45.6	30.2	-1.0	105	0.00
	HP	1602	0	32.7	9.8	-0.5	85	0.00
	J&K(UT) & Ladakh(UT)	2678	0	54.3	36.5	-1.0	173	0.00
	Chandigarh	255	0	5.0	5.0	0.1	38	0.00
	Railways NR ISTS	196	0	4.2	3.9	0.3	29	0.00
WR	Chhattisgarh	6501	0	145.4	87.9	-1.0	368	0.00
	Gujarat	25729	0	507.3	205.0	-3.3	634	0.00
	MP	13942	0	306.6	174.6	-4.5	649	0.00
	Maharashtra	29678	0	677.6	240.1	-0.1	1110	0.00
	Goa	795	0	16.8	16.3	-0.2	79	0.00
	DNHDDPDCL	1310	0	30.3	30.4	-0.1	54	0.00
	AMNSIL	799	0	17.8	8.1	0.4	300	0.00
	BALCO	534	0	12.7	12.7	0.0	21	0.00
	RIL JAMNAGAR	160	0	2.9	3.0	-0.1	0	0.00
	Andhra Pradesh	11442	0	234.5	85.5	-0.2	987	0.00
SR	Telangana	11467	0	234.6	117.1	-1.2	642	0.00
	Karnataka	15590	0	294.8	107.2	-1.7	1674	0.00
	Kerala	4639	0	92.1	74.7	-0.4	551	0.00
	Tamil Nadu	18415	0	400.5	245.5	-2.0	538	0.00
	Puducherry	536	0	11.2	11.0	0.1	47	0.00
	Bihar	5742	0	106.2	95.2	0.9	309	0.00
ER	DVC	3274	0	69.4	-38.3	-0.4	332	0.00
	Jharkhand	1927	0	39.6	33.1	-1.3	176	0.00
	Odisha	5346	0	108.7	27.2	-3.8	390	0.00
	West Bengal	8379	0	176.3	56.9	-3.5	131	0.00
	Sikkim	91	0	1.4	1.4	0.0	31	0.00
	Railways ER ISTS	17	0	0.2	0.2	0.0	2	0.00
NER	Arunachal Pradesh	178	0	3.0	3.0	0.0	26	0.00
	Assam	1907	0	34.0	26.0	0.5	93	0.00
	Manipur	202	0	2.9	2.9	0.0	42	0.00
	Meghalaya	312	0	5.8	3.9	-0.3	70	0.00
	Mizoram	106	0	1.7	1.8	-0.4	0	0.00
	Nagaland	149	0	2.6	2.6	0.0	16	0.00
	Tripura	231	0	4.4	3.6	0.4	52	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-4.5	-5.4	-23.6	-20.3
Day Peak (MW)	-225.0	-248.3	-1018.0	-982.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	126.8	-259.6	240.3	-116.6	9.1	0.0
Actual(MU)	110.4	-220.6	226.0	-128.6	8.1	-4.6
OD/UD(MU)	-16.4	39.0	-14.2	-11.9	-1.0	-4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3944	8026	4928	3298	361	20557	49
State Sector	6499	7811	5356	1712	139	21516	51
Total	10443	15836	10284	5010	500	42073	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	793	1599	687	695	14	3789	71
Lignite	20	16	46	0	0	82	2
Hydro	237	48	66	22	12	385	7
Nuclear	30	65	69	0	0	164	3
Gas, Naptha & Diesel	14	30	8	0	24	77	1
RES (Wind, Solar, Biomass & Others)	265	315	231	5	1	816	15
Total	1359	2074	1106	722	51	5312	100
Share of RES in total generation (%)	19.51	15.17	20.85	0.66	2.32	15.37	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation (%)	39.10	20.63	33.05	3.73	25.96	25.69	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.073
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	213872	10:53	0
Non-Solar hr	213306	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: 19-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	955	823	0.0	2.6	-2.6
4	765 kV	SASARAM-FATEHPUR	1	352	523	0.0	3.4	-3.4
5	765 kV	GAYA-BALIA	1	192	587	0.0	6.0	-6.0
6	400 kV	PUSAULI-VARANASI	1	0	147	0.0	1.8	-1.8
7	400 kV	PUSAULI-ALLAHABAD	1	50	79	0.0	0.6	-0.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	635	626	0.0	1.6	-1.6
9	400 kV	PATNA-BALIA	2	416	735	0.0	6.8	-6.8
10	400 kV	NAUBATPUR-BALIA	2	261	484	0.0	1.5	-1.5
11	400 kV	BIHARSHARIFF-BALIA	2	607	239	2.7	0.0	2.7
12	400 kV	MOTIHARI-GORAKHPUR	2	461	488	0.0	3.6	-3.6
13	400 kV	BIHARSARIFF-SAHUPURI	2	0	0	0.0	1.3	-1.3
14	220 kV	SAHUPURI-KARMANASA	1	7	51	0.0	0.1	-0.1
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-CHANDAUJI	1	0	0	0.0	0.0	0.0
ER-NR						3.4	31.5	-28.1
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	623	1301	0.0	9.9	-9.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	472	847	0.0	4.2	-4.2
3	765 kV	JHARSUGUDA-DURG	2	0	1137	0.0	18.5	-18.5
4	400 kV	JHARSUGUDA-RAIGARH	4	0	796	0.0	13.4	-13.4
5	400 kV	RANCHI-SIPAT	2	21	385	0.0	4.2	-4.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	131	0.0	2.1	-2.1
7	220 kV	BUDHIPADAR-KORBA	2	80	99	0.0	0.6	-0.6
ER-WR						0.0	52.9	-52.9
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	118	0.0	2.7	-2.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1761	0.0	42.3	-42.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2849	0.0	56.5	-56.5
4	400 kV	TALCHER-I/C	2	281	592	0.0	1.4	-1.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	101.5	-101.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	406	74	3.5	0.2	3.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	665	84	5.7	0.0	5.7
3	220 kV	ALIPURDUAR-SALAKATI	2	120	5	1.3	0.0	1.3
ER-NER						10.6	0.2	10.4
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	945	0	18.8	0.0	18.8
NER-NR						18.8	0.0	18.8
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2007	0.0	70.0	-70.0
2	HVDC	VINDHYACHAL B/B	-	98	0	2.4	0.0	2.4
3	HVDC	MUNDRA-MOHINDERGARH	2	0	981	0.0	17.3	-17.3
4	765 kV	GWALIOR-AGRA	2	911	1272	4.2	10.5	-6.3
5	765 kV	GWALIOR-PHAGI	2	1781	1040	9.8	10.2	-0.4
6	765 kV	JABALPUR-ORAI	2	749	768	0.0	8.7	-8.7
7	765 kV	GWALIOR-ORAI	1	888	0	13.5	0.0	13.5
8	765 kV	SATNA-ORAI	1	0	1150	0.0	18.8	-18.8
9	765 kV	BANASKANTHA-CHITORGARH	2	1162	422	6.4	1.2	5.2
10	765 kV	VINDHYACHAL-VARANASI	2	0	2618	0.0	40.8	-40.8
11	400 kV	ZERDA-KANKROLI	1	318	20	3.1	0.0	3.0
12	400 kV	ZERDA-BHINMAL	1	219	20	1.9	0.0	1.9
13	400 kV	VINDHYACHAL-RIHAND	1	970	0	20.8	0.0	20.8
14	400 kV	RAPP-SHUJALPUR	2	810	173	5.8	0.7	5.1
15	400 kV	NEEMUCH-Chittorgarh	2	992	136	8.2	0.2	8.0
16	220 kV	BHANPURA-RANPUR	1	0	152	0.0	3.0	-3.0
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.4	-2.4
18	220 kV	MEHGAON-AURAIYA	1	85	0	1.4	0.0	1.4
19	220 kV	MALANPUR-AURAIYA	1	62	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						78.5	183.6	-105.1
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1011	0.0	24.0	-24.0
2	HVDC	RAIGARH-PUGALUR	2	0	6016	0.0	95.1	-95.1
3	765 kV	SOLAPUR-RAICHUR	2	788	706	3.6	3.7	-0.1
4	765 kV	WARDHA-NIZAMABAD	2	0	2390	0.0	36.2	-36.2
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2479	0.0	38.3	-38.3
6	400 kV	KOLHAPUR-KUDGI	2	1335	0	23.3	0.0	23.3
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	NELDEM-AMBEWADI	1	0	119	2.2	0.0	2.2
WR-SR						29.1	197.3	-168.2
INTERNATIONAL EXCHANGES								
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)	381	36	157	3.76		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-271	23	-133	-3.19		
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-272	-151	-202	-4.84		
	NER	132kV GELEPHU-SALAKATI	19	-35	-14	-0.34		
	NER	132kV MOTANGA-RANGIA	19	-9	4	0.09		
NEPAL	NR	NEPAL IMPORT (FROM UP)	-71	0	-42	-1.00		
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-71	0	-46	-1.10		
	ER	NEPAL IMPORT (FROM BIHAR)	231	0	127	3.04		
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-479	6	-266	-6.38		
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-940	-886	-928	-22.27		
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-982	-802	-846	-20.31		
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-78	0	-56	-1.34		

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 19-Apr-2025

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	5.09	0.00	0.00	1.05	0.00	0.00	6.54
Nepal	3.27	0.00	2.92	0.00	0.00	4.19	0.00	0.00	10.38
Bangladesh	23.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.07
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	26.34	0.40	8.01	0.00	0.00	5.24	0.00	0.00	39.99

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49
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	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49

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	1.49	-0.40	-5.09	0.00	0.00	-1.05	0.00	0.00	-5.05
Nepal	-3.27	0.00	-2.92	0.00	0.00	-4.19	0.00	0.00	-10.38
Bangladesh	-23.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.07
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-24.85	-0.40	-8.01	0.00	0.00	-5.24	0.00	0.00	-38.50

Date of Reporting: 19-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=I+B+C+D+E+F+G+H)	(K)
0:00	50.07	213306	5931	12438	37	21042	3754	171499	1892	200831	216593	-1409
0:15	50.02	212807	5963	12399	65	19582	3895	171991	1938	200343	215833	-1263
0:30	50.07	211213	5977	12384	63	19331	3787	170912	1893	198766	214347	-1365
0:45	50.02	209196	5988	12226	57	18115	3733	170517	1955	196913	212601	-1635
1:00	50.02	207853	6006	12134	57	17446	3663	169970	1922	195662	211198	-1711
1:15	50.02	206259	6040	12259	59	16919	3556	169153	1934	193941	209920	-1746
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