

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, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

दिनांक: 15.04.2025

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

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, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016
 Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi 110016
- 3. 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
- 4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. 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 14.04.2025.

महोदय/Sir,

आई॰ई॰जी॰सी॰-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 14-अप्रैल-2025 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध 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 14.04.2025, is available at the NLDC website.

धन्यवाद, Thanks

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



Date of Reporting: 15-Apr-2025

Report for previous day

A Dorror	Cupply Dociti	on of All Indi	ia and Regional l	ovol

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	61464	69286	47447	22860	2972	204029
Peak Shortage (MW)	0	0	0	326	0	326
Energy Met (MU)	1264	1667	1213	533	55	4731
Hydro Gen (MU)	153	38	63	28	10	292
Wind Gen (MU)	16	192	47	-	-	255
Solar Gen (MU)*	205.65	149.76	141.50	3.88	0.92	502
Energy Shortage (MU)	0.00	0.00	0.00	0.53	0.00	0.53
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	62863	75334	57861	24416	3122	207497
Time Of Maximum Demand Met	19:39	15:58	14:48	13:30	18:36	15:02

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	0.036	0.00	0.00	3.80	3.80	74.95	21.26

C. Power Supply Position in States

Region	States	Max.Demand Met during the	Shortage during maximum	Energy Met	Drawal Schedule	OD(+)/UD(-)	Max OD	Energy Shortage (MU
		day (MW)	Demand (MW)	(MU)	(MU)	(MU)	(MW)	
	Punjab	8823	0	167.1	65.9	0.2	565	0.00
	Haryana	8783	0	164.1	112.8	-0.6	444	0.00
	Rajasthan	14196	0	296.4	103.7	0.0	611	0.00
	Delhi	4620	0	98.1	92.2	-2.7	190	0.00
NR	UP	21680	0	400.2	149.1	1.3	568	0.00
	Uttarakhand	2137	0	43.4	32.6	0.0	92	0.00
	HP	1666	0	31.9	15.8	-0.5	655	0.00
	J&K(UT) & Ladakh(UT)	2614	0	54.0	44.8	-1.3	212	0.00
	Chandigarh	232	0	4.3	4.3	0.0	18	0.00
	Railways NR ISTS	199	0	4.1	3.9	0.3	32	0.00
	Chhattisgarh	6452	0	146.1	82.2	1.4	329	0.00
	Gujarat	24324	0	485.7	170.3	-3.3	586	0.00
	MP	13640	0	294.5	166.3	-1.8	700	0.00
WR	Maharashtra	28811	0	659.0	235.4	0.4	916	0.00
	Goa	765	0	16.5	15.8	0.1	92	0.00
	DNHDDPDCL	1280	0	29.4	29.8	-0.4	35	0.00
	AMNSIL	897	0	19.6	9.3	0.4	258	0.00
	BALCO	532	0	12.7	12.7	0.0	33	0.00
	RIL JAMNAGAR	160	0	3.2	3.2	0.0	0	0.00
	Andhra Pradesh	11268	0	218.9	67.1	-0.2	554	0.00
	Telangana	12475	0	249.0	116.2	-1.3	491	0.00
SR	Karnataka	15045	0	289.3	124.8	-0.4	1238	0.00
	Kerala	4029	0	84.4	70.2	-0.8	338	0.00
	Tamil Nadu	16823	0	361.5	241.1	-2.5	858	0.00
	Puducherry	471	0	10.1	9.8	-0.3	25	0.00
	Bihar	5242	0	103.0	92.2	0.1	807	0.53
	DVC	3198	0	68.0	-34.2	0.1	437	0.00
	Jharkhand	1876	0	36.9	31.0	-1.6	407	0.00
ER	Odisha	5958	0	117.6	26.1	-0.5	496	0.00
	West Bengal	9866	0	205.5	73.4	-2.4	457	0.00
	Sikkim	96	0	1.4	1.5	-0.1	31	0.00
	Railways ER ISTS	13	0	0.3	0.4	-0.1	3	0.00
	Arunachal Pradesh	173	0	2.9	2.9	-0.2	31	0.00
	Assam	1870	0	32.2	25.7	0.1	180	0.00
	Manipur	178	0	2.8	2.9	-0.1	24	0.00
NER	Meghalaya	333	0	5.7	4.6	-0.2	48	0.00
	Mizoram	114	0	2.5	1.9	-0.1	6	0.00
	Nagaland	165	0	2.7	2.7	-0.1	15	0.00
	Tripura	313	0	6.2	4.9	0.3	48	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)									
	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh					
Actual (MU)	-3.0	-9.8	-22.9	-17.8					
Day Peak (MW)	-275.0	-633.4	-985.0	-772.0					

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	165.9	-266.0	207.0	-120.5	13.6	0.0
Actual(MU)	155.2	-238.7	199.8	-136.6	12.4	-7.8
O/D/U/D(MU)	-10.7	27.4	-7.1	-16.1	-1.2	-7.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3918	8548	3268	1758	361	17852	42
State Sector	9479	7501	6236	1259	139	24614	58
Total	13397	16048	9504	3017	500	42466	100

G. Sourcewise generation (Gross) (MU)

G. Sourcewise generation (Gross) (WC)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	739	1524	664	734	13	3674	72
Lignite	25	15	45	0	0	85	2
Hydro	153	38	63	28	10	292	6
Nuclear	27	65	71	0	0	163	3
Gas, Naptha & Diesel	9	39	10	0	24	82	2
RES (Wind, Solar, Biomass & Others)	233	344	219	6	1	802	16
Total	1187	2024	1072	768	47	5097	100
Share of RES in total generation (%)	19.64	16.98	20.40	0.72	1.95	15.73	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.82	22.04	32.90	4.38	23.18	24.65	

H. All India Demand Diversity Factor	
Based on Regional Max Demands	1.077
Based on State Max Demands	1.114

	I. All India Peak Demand and shortage at Solar and Non-Solar Hour									
ax Demand Met(MW)	Time	Shortage(MW)								
207497	15:02	0								
207105	19:45	197								
	207497	207497 15:02								

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

**Note: All generation MU figures are gross

***Codda (Jharkhand) - Sangladesh power exchange is through the radial connection (isolated from Indian Grid)
Solar Hours - Sol600 to 18:00ns and rest are Non-Solar Hours

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

							Date of Reporting:	15-Apr-2025
Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	rt/Export of ER (With NR)						T
2	HVDC HVDC	ALIPURDUAR-AGRA PUSAULI B/B	2	0	303 47	0.0 0.0	0.5 2.5	-0.5 -2.5
3	765 kV 765 kV	GAYA-VARANASI SASARAM-FATEHPUR	2	933 370	1130 673	0.0 0.0	8.5 6.4	-8.5 -6.4
5	765 kV	GAYA-BALIA	1	57	725	0.0	9.0	-9.0
7	400 kV 400 kV	PUSAULI-VARANASI PUSAULI -ALLAHABAD	1	7 57	147 107	0.0 0.0	1.2 1.2	-1.2 -1.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	871	801	0.0	1.8	-1.8
9	400 kV 400 kV	PATNA-BALIA NAUBATPUR-BALIA	2 2	394 295	974 531	0.0 0.0	11.1 3.3	-11.1 -3.3
11 12	400 kV 400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2 2	651 329	251 612	2.2 0.0	0.0 5.2	2.2 -5.2
13	400 kV	BIHARSARIFF-SAHUPURI	2	371	427	0.0	2.7	-2.7
14 15	220 kV 132 kV	SAHUPURI-KARAMNASA NAGAR UNTARI-RIHAND	1	10	71 0	0.0 0.1	0.7 0.0	-0.7 0.1
16	132 kV	GARWAH-RIHAND	1	30	0	0.5	0.0	0.5
17 18	132 kV 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	2.8	53.8	-51.0
Impor	rt/Export of ER (\) 765 kV	With WR) JHARSUGUDA-DHARAMJAIGARH	4	1449	1199	0.0	2.0	-2.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1247	813	4.2	0.0	4.2
3	765 kV 400 kV	JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	2 4	0	782 882	0.0	12.3 12.9	-12.3 -12.9
5	400 kV	RANCHI-SIPAT	2	206	358	0.0	2.2 2.4	-2.2
7	220 kV 220 kV	BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA	2	0 109	162 175	0.0 0.0	0.9	-2.4 -0.9
Y	4/E4 - 8 ED (ara an			ER-WR	4.2	32.7	-28.5
1mpor	rt/Export of ER (\) HVDC	JEYPORE-GAZUWAKA B/B	2	0	114	0.0	2.7	-2.7
2	HVDC	TALCHER-KOLAR BIPOLE	2 2	0	1764	0.0	48.1	-48.1
3	765 kV 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	2 2	0	2961 989	0.0 0.0	51.8 8.5	-51.8 -8.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0 ER-SR	0.0	0.0 102.6	0.0
Impor	rt/Export of ER (With NER)			EK-SK	0.0	102.0	-102.6
1	400 kV	BINAGURI-BONGAIGAON	2	300	546	2.8	2.0	0.8
3	400 kV 220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2 2	360 78	0	1.8 0.7	0.0	1.8 0.7
					ER-NER	5.2	2.0	3.2
Impor	rt/Export of NER HVDC	(With NR) BISWANATH CHARIALI-AGRA	2	948	342	15.8	0.0	15.8
				. /10	NER-NR	15.8	0.0	15.8
Impor	rt/Export of WR (With NR)			1500		38.5	20.5
2	HVDC HVDC	CHAMPA-KURUKSHETRA VINDHYACHAL B/B	2	0 49	1509 0	0.0 1.2	0.0	-38.5 1.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1456	0.0	36.4 17.2	-36.4
5	765 kV 765 kV	GWALIOR-AGRA GWALIOR-PHAGI	2 2	699 1613	1675 1414	2.1 8.3	15.3	-15.1 -7.0
7	765 kV 765 kV	JABALPUR-ORAI GWALIOR-ORAI	2	555 968	979 24	0.0 14.5	16.6 0.0	-16.6 14.5
8	765 kV	SATNA-ORAI	î	0	1332	0.0	20.3	-20.3
9	765 kV 765 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI	2 2	552 0	523 2370	2.2 0.0	1.5 37.9	0.7 -37.9
11	400 kV	ZERDA-KANKROLI	1	250	79	1.9	0.1	1.8
12 13	400 kV 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND	1	173 966	55 0	1.3 20.3	0.1 0.0	1.2 20.3
14	400 kV	RAPP-SHUJALPUR	2	865	297	6.3	1.6	4.8
15 16	400 kV 220 kV	NEEMUCH-Chittorgarh BHANPURA-RANPUR	2	770 0	346 142	5.5 0.0	1.9 2.7	3.7
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.2	-2.7 -2.2
18 19	220 kV 220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA	1	76 62	0 8	1.0 0.6	0.0	1.0 0.6
20	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
21	132 kV	RAJGHAT-LALITPUR	2	0	0 WR-NR	0.0 65.2	0.0 192.2	0.0 -127.0
	rt/Export of WR (1	1				
2	HVDC HVDC	BHADRAWATI B/B RAIGARH-PUGALUR	2	0	1013 6018	0.0 0.0	21.8 72.9	-21.8 -72.9
3	765 kV	SOLAPUR-RAICHUR	2	1009	1289	5.2	6.6	-1.4
4 5	765 kV 765 kV	WARDHA-NIZAMABAD WARORA-WARANGAL(NEW)	2 2	0	2703 2744	0.0	32.7 34.0	-32.7 -34.0
6	400 kV	KOLHAPUR-KUDGI	2 2	1480	0	20.7	0.0	20.7
8	220 kV 220 kV	KOLHAPUR-CHIKODI PONDA-AMBEWADI	1	0	0	0.0 0.0	0.0	0.0
9	220 kV	XELDEM-AMBEWADI	1	0	112 WR-SR	2.2	0.0 168.0	2.2 -139.9
		TNI	TEDNATIONAL DV	CHANCES	WK-5K	28.1		
	State		TERNATIONAL EX	Name	Morr (MITT)	Min (MW)	Avg (MW)	(+ve)/Export(-ve) Energy Exchange
	State	Region		Name ALIPURDUAR 1,2&3 i.e.	Max (MW)	Min (MW)	Avg (MW)	(MI)
		ER	ALIPURDUAR RECEIP		211	183	189	4.53
			HEP 4*180MW) 400kV TALA-BINAGUR				 	1
		ER	MALBASE - BINAGUR	I) i.e. BINAGURI	-300	36	-110	-2.63
			RECEIPT (from TALA H 220kV CHUKHA-BIRPA				 	1
	BHUTAN	ER	MALBASE - BIRPARA) (from CHUKHA HEP 4*8	i.e. BIRPARA RECEIPT	-252	-154	-195	-4.68
								<u> </u>
		NER	132kV GELEPHU-SALA	KATI	-24	5	-13	-0.32
			1201 87 3 5 0 70 1 2 2 2 2	CY.		_		
		NER	132kV MOTANGA-RAN	GIA	14	-3	4	0.10
		NR	NEPAL IMPORT (FROM	(LIP)	-71	0	-43	-1.04
		NK	THE AL INFORT (FROM	101)	-/1	U	-43	-1.04
	NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)		-71	0	-43	-1.03
		- 122	152KV MAHENDRANAGAR-TANAKPUR(NHPC)			Ü		1.00
		ER	NEPAL IMPORT (FROM	NEPAL IMPORT (FROM BIHAR)		-2	-122	-2.93
			-		-266		1	1
		ER	400kV DHALKEBAR-M	UZAFFARPUR 1&2	-367	14	-202	-4.85
			 				 	
İ		ER	BHERAMARA B/B HVD	C (B'DESH)	-949	-882	-923	-22.14
			 				1	
		ED						
В	ANGLADESH	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RA	HANPUR (B'DESH) D/C	-772	-605	-742	-17.80
В	ANGLADESH	(Isolated from Indian Grid)						
В	ANGLADESH		400kV GODDA_TPS-RA 132kV COMILLA-SURA		-772	-605	-742	-17.80 -0.74

Export From India (in MU)

			T-GNA								
	GNA		COLLECTIVE								
Country	(ISGS/PPA)	BILATERAL	IDAM				RTM		TOTAL		
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX			
Bhutan	0.00	0.38	3.58	0.00	0.00	0.15	0.00	0.00	4.11		
Nepal	3.37	0.00	1.17	0.00	0.00	4.35	0.00	0.00	8.89		
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	26.29	0.38	4.75	0.00	0.00	4.50	0.00	0.00	35.92		

Import by India(in MU)

	T-GNA									
	GNA		COLLECTIVE							
Country	(ISGA/PPA)	BILATERAL		IDAM				TOTAL		
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	
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	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	

Net from India(in MU) -ve : Export / +ve : Import T-GNA GNA COLLECTIVE (ISGS/PPA) BILATERAL IDAM RTM TOTAL Country TOTAL IEX PXIL HPX IEX PXIL HPX 0.76 -0.15 0.00 Bhutan -0.38 -3.58 0.00 0.00 0.00 -3.35 Nepal -3.37 0.00 -1.17 0.00 0.00 -4.35 0.00 0.00 -8.89 -22.92 0.00 0.00 0.00 0.00 0.00 0.00 -22.92 Bangladesh 0.00 0.00 Myanmar 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 -25.53 -0.38 -4.75 0.00 0.00 -4.50 0.00 0.00 -35.16 Total Net

		Date of Reporting: 15-Apr-2025 15 Min (INSTANTANEOUS) ALL INDIA GRID FREQUENCY, GENERATION & DEMAND MET (SCADA DATA)											
March Column Co												TOTAL	
	TIME												
No. Col. C		(Hz)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)			
1909			(4)	(B)	(c)	(D)	(E)	(E)	(G)	(H)	(I=A-	(J=B+C+D+E	
155 159 15900 1595 1127 1515 1515 15064 1504 15054 15074 15054 15075 15064 15075 15074 15075 15074 15075 15064 15075 15074 15075 15074 15075 15074 15075 15074 15075 15074 15075 15074 15075 15074 15075 15074 15075 15074 15075 15074 15075 15074 15075 15074 15075 15074 15075 15074 15075	0.00	40.00											
1989 1997 1997 1998													
190													
155 989	0:45	49.99	190735	6483	11590	339	12307	3138	158663	2020	178806	194540	-1552
190													
195													
200 999													
135 989													
255 256					11315								
180 1899 179710 1476 17972 1476 1477 1477 1487 1498 1497 1497 1497 1498 1497 1497 1498 1497 1498 1497 1497 1498 1497 1497 1498 1497 1497 1498 1497 1497 1498 1497 1497 1498 1497 1498 1497 1498 1497 1498 1497 1498 1497 1498 1497 1498 1497 1498 1497 1498 1497 1498 1498 1497 1498													
151 164 165 174													
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^{**} Hydro generation is excluding Bhutan hydro.
***Bhutan hydro is accounted for in net transnational exchange.

Disclaimer:

1. The information provided is for general informational purposes only.

2. The data is provided "as is "without any guarantees or warranties.

3. All Data is operational SCADA data telemetered and reporting at NLIC through RLDC/SLDC.

4. Data is subject to error, due to telemetry loss/freeze/garbage value etc.

5. Demand met and RE generation data is incident on transmission system. Resources in distribution system plus behind the meter (BTM) generation excluded.

6. Users are advised to ensure its accuracy, completeness and relevance for their purposes, and, in this respect, GRID-NDIA shall not be responsible for any errors or omissions.