

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: 20.04.2025

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

- 2. 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 19.04.2025.

महोदय/Sir,

आई॰ई॰जी॰सी॰-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 19-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 19.04.2025, is available at the NLDC website.

धन्यवाद, Thanks

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



Date of Reporting: 20-Apr-2025

Report for previous day

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)	66619	70366	52644	26838	3041	219508
Peak Shortage (MW)	140	0	0	0	0	140
Energy Met (MU)	1328	1705	1256	548	59	4896
Hydro Gen (MU)	228	38	73	30	12	380
Wind Gen (MU)	47	210	69	-	-	327
Solar Gen (MU)*	207.32	143.75	142.89	3.43	1.14	499
Energy Shortage (MU)	0.54	1.14	0.00	0.08	0.00	1.76
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66954	75497	60182	27140	3207	220282
Time Of Maximum Demand Met	20:54	16:18	15:33	20:59	18:35	19:46

B. Frequency Profile (%)

FVI 49.7 - 49.8 49.8 - 49.9 49.9 - 50.05 Region < 49.7 < 49.9 > 50.05 All India 0.097 0.52 2.58 11.31 14.41 60.03 25.56

C. Power Supply Position in States

t ower Suppry 1		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the day (MW)	maximum Demand (MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shortage (MU)
	Punjab	8652	0	169.5	78.5	-2.6	641	0.00
	Haryana	9557	0	183.3	130.9	-1.4	753	0.00
	Rajasthan	14061	0	313.0	93.3	-3.6	379	0.00
	Delhi	5355	0	111.3	102.0	-2.8	208	0.00
NR	UP	23999	0	421.0	141.2	-4.1	378	0.00
	Uttarakhand	2289	0	41.7	26.8	0.3	278	0.54
	HP	1578	0	32.9	10.2	-0.6	191	0.00
	J&K(UT) & Ladakh(UT)	2557	0	45.9	31.0	-2.0	285	0.00
	Chandigarh	263	0	5.3	5.0	0.4	61	0.00
	Railways_NR ISTS	209	0	4.4	3.9	0.5	53	0.00
	Chhattisgarh	6262	172	143.5	83.7	1.7	626	0.19
	Gujarat	23977	0	498.9	176.3	-2.0	996	0.00
	MP	14007	0	310.3	174.3	-3.2	507	0.00
WR	Maharashtra	29483	948	670.8	244.2	3.1	1048	0.95
	Goa	782	0	17.3	16.9	-0.1	42	0.00
	DNHDDPDCL	1354	0	31.0	30.9	0.1	75	0.00
	AMNSIL	787	0	17.7	8.7	0.2	300	0.00
	BALCO	534	0	12.7	12.7	0.0	32	0.00
	RIL JAMNAGAR	173	0	3.0	3.0	0.0	0	0.00
	Andhra Pradesh	11929	0	236.4	72.7	4.0	846	0.00
	Telangana	11354	0	228.0	115.1	-2.2	593	0.00
\mathbf{SR}	Karnataka	14469	0	282.8	99.0	-1.0	929	0.00
	Kerala	4972	0	96.3	76.5	0.2	495	0.00
	Tamil Nadu	18449	0	401.4	236.2	0.2	726	0.00
	Puducherry	532	0	11.2	11.2	-0.1	54	0.00
	Bihar	6485	0	120.4	110.2	-0.9	223	0.08
	DVC	3286	0	72.4	-35.8	0.1	348	0.00
	Jharkhand	2066	0	42.2	30.8	0.5	165	0.00
ER	Odisha	5909	0	115.4	29.3	-1.1	572	0.00
	West Bengal	9758	0	196.3	74.5	-1.8	266	0.00
	Sikkim	83	0	1.3	1.4	-0.1	31	0.00
	Railways_ER ISTS	21	0	0.1	0.1	0.0	9	0.00
	Arunachal Pradesh	178	0	3.0	2.9	-0.1	25	0.00
	Assam	1963	0	37.8	29.7	0.7	154	0.00
	Manipur	205	0	2.9	2.9	0.0	29	0.00
NER	Meghalaya	326	0	5.8	3.9	-0.1	91	0.00
	Mizoram	127	0	1.8	1.8	-0.3	9	0.00
	Nagaland	165	0	2.7	2.7	0.0	24	0.00
	Tripura	277	0	4.7	4.5	0.3	59	0.00

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

B: Transnational Exchanges (WE) Import (+ve)/Exp	01 (10)			
	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-0.4	-3.6	-24.0	-23.8
Day Pook (MW)	-60.0	-137.6	-1028.0	-1384 1

1.057

1.082

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	98.2	-251.2	230.4	-92.0	14.7	0.0
Actual(MU)	70.9	-213.7	209.8	-90.6	14.2	-9.3
O/D/U/D(MU)	-27.2	37.6	-20.6	1.5	-0.5	-9.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3944	9781	5068	2638	511	21942	50
State Sector	7194	7767	4856	1569	139	21525	50
Total	11138	17547	9924	4207	650	43466	100

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

Max Demand Met(MW)

214209

220282

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	783	1524	670	698	13	3689	70
Lignite	19	16	45	0	0	81	2
Hydro	228	38	73	30	12	380	7
Nuclear	33	65	71	0	0	169	3
Gas, Naptha & Diesel	12	30	9	0	24	75	1
RES (Wind, Solar, Biomass & Others)	266	358	240	5	1	871	17
Total	1342	2031	1108	733	50	5265	100
CI CDEC: 4 4 1 4 (0/)	10.04	45.60	24.60	0.50	2.22	16.74	1
Share of RES in total generation (%)	19.84	17.62	21.69	0.70	2.32	16.54	

Solar hr

Non-Solar hr

Share of RES in total generation (%)	19.84	17.62	21.69	0.70	2.32	16.54
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	39.29	22.70	34.67	4.76	25.99	26.98

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

**Note: All generation MU figures are gross

H. All India Demand Diversity Factor

Based on Regional Max Demands

Based on State Max Demands

***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

Shortage(MW)

Time

15:47

19:46

^{*}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: 20-Apr-2025

			T		•		Date of Reporting:	20-Apr-2025
Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impor	t/Export of ER (L With NR)					ļ	
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	1057	707	0.0	0.5 1.1	-0.5
5	765 kV 765 kV	SASARAM-FATEHPUR GAYA-BALIA	1	448 271	428 640	0.0	5.2	-1.1 -5.2
6	400 kV	PUSAULI-VARANASI	1	0	157	0.0	1.9	-1,9
7	400 kV	PUSAULI -ALLAHABAD	1	65	76	0.0	0.5	-0.5
8	400 kV 400 kV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	2 2	886 525	458 702	1.6 0.0	0.0 4.9	1.6 -4.9
10	400 kV	NAUBATPUR-BALIA	$\frac{2}{2}$	224	212	0.0	0.9	-0.9
11	400 kV	BIHARSHARIFF-BALIA	2	739	127	5.1	0.0	5.1
12	400 kV 400 kV	MOTIHARI-GORAKHPUR	2 2	634	400	1.5 0.0	0.0	1.5 -0.9
14	220 kV	BIHARSARIFF-SAHUPURI SAHUPURI-KARAMNASA	1	11	49	0.0	0.9	0.2
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 18	132 kV 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
10	102 11 ,	THE TAXABLE PARTY OF THE PARTY	-	·	ER-NR	9.2	18.3	-9.1
Impor	t/Export of ER (V	With WR)						
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1621	1179	0.0	0.4	-0.4
3	765 kV 765 kV	NEW RANCHI-DHARAMJAIGARH JHARSUGUDA-DURG	2 2	992 0	1178 1317	1.2 0.0	0.0 20.2	1.2 -20.2
4	400 kV	JHARSUGUDA-BURG JHARSUGUDA-RAIGARH	4	0	724	0.0	10.5	-10.5
5	400 kV	RANCHI-SIPAT	2	174	476	0.0	3.1	-3.1
7	220 kV 220 kV	BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA	1 2	23 138	142 94	0.0	2.0 0.2	-2.0 -0.2
/	220 KV	BUDHIPADAR-KURBA	<u> </u>	138	ER-WR	1.2	36.4	-35.2
Impor	t/Export of ER (With SR)			ER-WK	1.2	30.4	-33.2
1	HVDC	JEYPORE-GAZUWAKA B/B	2	112	114	0.1	0.0	0.1
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1770	0.0	45.4	-45.4
3	765 kV 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	$\frac{2}{2}$	0 268	3003 989	0.0	50.6 6.6	-50.6 -6.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
			 	<u> </u>	ER-SR	0.1	96.0	-96.0
Impor	t/Export of ER (•			
1	400 kV	BINAGURI-BONGAIGAON	2	306	124	3.2	0.4	2.8
3	400 kV 220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2 2	510 88	119 16	4.7 1.0	0.0	4.7 1.0
3 1	22U K V	INDI UNDUAN-BALARATI		00	ER-NER	8.8	0.0	8.4
Impor	t/Export of NER	(With NR)			22.112.11	0.0		U+T
1		BISWANATH CHARIALI-AGRA	2	958	0	22.6	0.0	22.6
					NER-NR	22.6	0.0	22.6
Impor	t/Export of WR (=0.0	
1 2	HVDC HVDC	CHAMPA-KURUKSHETRA VINDHYACHAL B/B	2	98	1946 0	0.0 2.4	50.0	-50.0 2.4
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1455	0.0	23.4	-23.4
4	765 kV	GWALIOR-AGRA	2	734	1811	4.4	11.6	-7.2
5	765 kV	GWALIOR-PHAGI	2	1894	1165	12.5	9.8	2.7
7	765 kV 765 kV	JABALPUR-ORAI GWALIOR-ORAI	2	640 838	1042 34	0.0 12.2	5.8 0.0	-5.8 12.2
8	765 kV	SATNA-ORAI	1	0	1224	0.0	17.0	-17.0
9	765 kV	BANASKANTHA-CHITORGARH	2	530	767	2.9	3.2	-0.3
10 11	765 kV 400 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI	1	0 264	2752 122	0.0 2.7	39.0 0.3	-39.0 2.4
12	400 kV	ZERDA-BHINMAL	1	182	85	1.9	0.3	1.7
13	400 kV	VINDHYACHAL -RIHAND	1	969	0	19.8	0.0	19.8
14	400 kV 400 kV	RAPP-SHUJALPUR NEEMUCH-Chittorgarh	2 2	750 851	331 350	6.2 8.5	1.4 1.1	4.8
15 16	220 kV	BHANPURA-RANPUR	1	851	350 148	0.0	2.7	7.5 -2.7
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.5	-2.5
18	220 kV	MEHGAON-AURAIYA	1	108	0	1.4	0.0	1.4
19 20	220 kV 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1	84	8	1.0 0.0	0.0	1.0 0.0
21	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
		•			WR-NR	75.9	167.8	-91.9
Impor	t/Export of WR (
1	HVDC HVDC	BHADRAWATI B/B RAIGARH-PUGALUR	-	0	1012 6036	0.0	24.0 105.9	-24.0 -105.9
3	765 kV	SOLAPUR-RAICHUR	2 2	1371	1144	10.6	4.0	6.6
4	765 kV	WARDHA-NIZAMABAD	2	0	2316	0.0	29.1	-29.1
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2591	0.0	33.9	-33.9
7	400 kV 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2	1787 0	0	27.6 0.0	0.0	27.6 0.0
8	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
9	220 kV	XELDEM-AMBEWADI	1	0	119	2.4	0.0	2.4
					WR-SR	40.5	197.0	-156.4
		IN	TERNATIONAL EX	CHANGES			Import(+ve)/Export(-ve)
	State	Region	Line	Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange
	-	6	400kV MANGDECHHU-A		</td <td>- \/</td> <td>B (- · · /</td> <td>(MU)</td>	- \/	B (- · · /	(MU)
		ER	ALIPURDUAR RECEIPT	(from MANGDECHU	439	44	213	5.11
			HEP 4*180MW)	1 2 4 (8- 4001-37				
		ER	400kV TALA-BINAGURI MALBASE - BINAGURI		-186	38	-66	-1.59
			RECEIPT (from TALA H	EP 6*170MW)	-100		-00	-1.03
			220kV CHUKHA-BIRPAI	RA 1&2 (& 220kV				
	BHUTAN	ER	MALBASE - BIRPARA) i.		-226	-136	-163	-3.92
			(from CHUKHA HEP 4*8	41V1 VV)			 	
		NER	132kV GELEPHU-SALAH	KATI	0	-23	-13	-0.32
		NER	132kV MOTANGA-RANG	CTA	22	0	14	0.34
		NEX			<i>LL</i>			U.J.
		NR	NEPAL IMPORT (FROM	UP)	-58	0	-38	-0.91
	NEPAL	NR	132kV MAHENDRANAG	AR-TANAKPUR(NHPC)	-58	0	-32	-0.76
		ER	NEPAL IMPORT (FROM	(BIHAR)	188	0	110	2.63
		15/15			100	<u> </u>	110	4.05
			4001					
		ER	400kV DHALKEBAR-MU	JZAFFARPUR 1&2	-358	0	-192	-4.60
		ER	BHERAMARA B/B HVD	C (B'DESH)	-936	-885	-926	-22.23
								· -
	ANGLADESH	ER	400kV CODDA TES BAY	IANDIID (DIDECII) D/C	1204	011	000	22.55
B	ANGLADESH	(Isolated from Indian Grid)	400kV GODDA_TPS-RAF	IANTUK (B'DESH) D/C	-1384	-811	-990	-23.77
		NER	132kV COMILLA-SURAJ	IMANI NAGAR 1&2	-92	0	-73	-1.76
		<u>l</u>	<u> </u>				<u>I</u>	

Export From India (in MU)

					T-GNA				
	GNA				COLLE	ECTIVE			
Country	(ISGS/PPA)	BILATERAL		IDAM			RTM		TOTAL
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.00	0.40	4.85	0.00	0.00	0.00	0.00	0.00	5.25
Nepal	2.71	0.00	2.95	0.00	0.00	1.68	0.00	0.00	7.34
Bangladesh	23.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.05
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	25.76	0.40	7.80	0.00	0.00	1.68	0.00	0.00	35.64

Import by India(in MU)

			T-GNA									
	GNA		COLLECTIVE									
Country	(ISGA/PPA)	BILATERAL		IDAM RTM								
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX				
Bhutan	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.40			
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	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.40			

Net from India	(in MU)						-ve : I	Export / +ve : Im	port
					T-GNA				
	GNA				COLLI	ECTIVE			
Country	(ISGS/PPA)	BILATERAL		IDAM				TOTAL	
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	4.40	-0.40	-4.85	0.00	0.00	0.00	0.00	0.00	-0.85
Nepal	-2.71	0.00	-2.95	0.00	0.00	-1.68	0.00	0.00	-7.34
Bangladesh	-23.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.05
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-21.36	-0.40	-7.80	0.00	0.00	-1.68	0.00	0.00	-31.24

Part						.==						Date of Reporting:	20-Apr-2025
March Marc	TIME	,		NUCLEAR	WIND	SOLAR	HYDRO**	GAS	THERMAL	OTHERS*	NET DEMAND MET	GENERATION	NET TRANSNATIONAL EXCHANGE (MW) (+ve) Import, (-ve)
100 100			(4)	(p)	(6)	(D)	(5)	(r)	(6)	(11)	(I=A (C+D))	(J=B+C+D+E+F+G+	Export
150 160	0.00	40 Q5										'	
Dec		+				+	<u> </u>	 	+			 	-1252
100 100								+	+				-1194
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23:45 50.01 216907 6264 12307 58 22270 3717 173005 1852 204542 219473 -114 *Others include (i) Biomass from Punjab (ii) Some of the state sector IPP & non-conventional generation in SR (small capacity) (iii) Solar generation in Odisha(manually punched).		 				+	+	+	+			+	-1088
*Others include (i) Biomass from Punjab (ii) Some of the state sector IPP & non-conventional generation in SR (small capacity) (iii) Solar generation in Odisha(manually punched).		 				+	+	+	+	+		+	-1170 -1140
** Hydro generation is excluding Bhutan hydro.	*Others in	clude (i) Biomass	from Punjab (ii) Som	ne of the state sect								•	

Disclaimer:

^{***}Bhutan hydro is accounted for in net transnational exchange.

^{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 NLDC through RLDC/SLDC. 4. Data is subject to errors 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-INDIA shall not be responsible for any errors or omissions.