

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: 21.04.2025

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

Τo,

कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता - 700033
 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033

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- 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
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Sub: Daily PSP Report for the date 20.04.2025.

महोदय/Sir,

आई॰ई॰जी॰सी॰-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 20-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 20.04.2025, is available at the NLDC website.

धन्यवाद, Thanks

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



Date of Reporting: 21-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)	64364	67262	47615	26901	2815	208957
Peak Shortage (MW)	0	0	0	112	0	112
Energy Met (MU)	1361	1663	1208	586	54	4873
Hydro Gen (MU)	211	35	68	36	12	363
Wind Gen (MU)	33	133	71	-	-	237
Solar Gen (MU)*	214.44	150.04	138.14	3.40	0.95	507
Energy Shortage (MU)	0.08	0.07	0.00	0.29	0.00	0.44
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66253	72469	55364	28275	2821	215758
Time Of Maximum Demand Met	22:05	15:59	14:48	23:41	18:44	00:00

B. Frequency Profile (%)

FVI 49.7 - 49.8 49.8 - 49.9 < 49.9 49.9 - 50.05 Region < 49.7 > 50.05 All India 0.029 0.00 0.54 2.56 3.10 77.21 19.69

C. Power Supply Position in States

ower supply 1	osition in States	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	8469	0	163.6	68.8	-2.0	426	0.00
	Haryana	9032	0	172.3	116.2	-0.7	412	0.00
	Rajasthan	14524	0	313.1	89.4	-4.2	1019	0.00
	Delhi	5542	0	109.9	98.6	-1.3	193	0.00
NR	UP	24519	0	465.9	163.2	1.5	361	0.00
	Uttarakhand	2144	0	44.6	28.2	1.0	298	0.08
	HP	1540	0	30.6	9.7	-0.5	234	0.00
	J&K(UT) & Ladakh(UT)	2580	0	52.0	34.6	-2.3	233	0.00
	Chandigarh	253	0	5.0	5.0	0.1	24	0.00
	Railways_NR ISTS	202	0	4.2	3.9	0.4	42	0.00
	Chhattisgarh	6550	0	148.6	90.2	-0.7	354	0.07
	Gujarat	22962	0	477.3	186.1	0.1	761	0.00
	MP	14030	0	306.9	171.2	-2.4	398	0.00
WR	Maharashtra	28971	0	648.5	241.6	-0.8	911	0.00
	Goa	748	0	16.2	15.6	0.2	60	0.00
	DNHDDPDCL	1302	0	29.8	30.4	-0.6	50	0.00
	AMNSIL	894	0	19.6	9.4	-0.2	264	0.00
	BALCO	534	0	12.8	12.7	0.1	16	0.00
	RIL JAMNAGAR	159	0	2.8	2.8	0.0	0	0.00
	Andhra Pradesh	11932	0	237.8	72.1	0.1	992	0.00
	Telangana	10539	0	224.2	96.3	0.1	879	0.00
\mathbf{SR}	Karnataka	13345	0	265.7	91.1	-2.6	692	0.00
	Kerala	4970	0	91.1	72.5	-0.2	311	0.00
	Tamil Nadu	16895	0	378.9	217.3	-2.0	981	0.00
	Puducherry	526	0	10.8	10.7	0.0	59	0.00
	Bihar	6869	0	132.6	127.7	-1.4	285	0.29
	DVC	3288	0	71.3	-41.0	0.7	294	0.00
	Jharkhand	2050	0	44.0	31.9	1.5	262	0.00
ER	Odisha	6076	0	123.4	32.3	-0.1	548	0.00
	West Bengal	10475	0	213.9	84.5	0.7	687	0.00
	Sikkim	67	0	1.0	1.1	-0.2	6	0.00
	Railways_ER ISTS	19	0	0.2	0.2	0.0	0	0.00
	Arunachal Pradesh	181	0	2.8	3.2	-0.6	18	0.00
	Assam	1746	0	34.1	27.3	0.0	150	0.00
	Manipur	194	0	2.8	2.9	-0.1	22	0.00
NER	Meghalaya	306	0	5.4	4.4	-0.3	69	0.00
- ·— 	Mizoram	111	0	1.6	1.7	-0.4	17	0.00
	Nagaland	145	0	2.6	2.6	0.0	17	0.00
	m •	201	Ď	5.0	4.0	0.5	06	0.00

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

Tripura

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	1.6	-13.3	-24.3	-28.8
Day Peak (MW)	354.0	-801.1	-1037.0	-1374.0

291

1.043

1.089

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	100.9	-200.7	168.2	-78.8	10.3	0.0
Actual(MU)	86.3	-166.7	138.6	-73.3	9.1	-5.9
O/D/U/D(MU)	-14.6	34.0	-29.6	5.5	-1.2	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4814	8461	4218	1978	361	19832	45
State Sector	7899	9940	4466	2119	139	24563	55
Total	12713	18401	8684	4097	500	44395	100

5.0

4.9

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

Max Demand Met(MW)

205048

215758

0.5

96

0.00

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	826	1531	703	711	14	3785	72
Lignite	21	17	45	0	0	83	2
Hydro	211	35	68	36	12	363	7
Nuclear	34	65	71	0	0	170	3
Gas, Naptha & Diesel	15	18	8	0	24	64	1
RES (Wind, Solar, Biomass & Others)	259	287	237	5	1	789	15
Total	1365	1953	1132	753	51	5254	100
Share of RES in total generation (%)	18.98	14.70	20.96	0.67	1.88	15.03	

Solar hr

Non-Solar hr

Share of RES in total generation (%)	18.98	14.70	20.96	0.67	1.88	15.03
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	36.92	19.84	33.24	5.49	25.70	25.16

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

Shortage(MW)

146

Time

15:03

0:00

^{***}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.

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 21-Apr-2025

SI No	Max Export (MW) 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Export (MU) 0.0 2.4 0.8 0.9 7.1 2.0 0.2 0.0 4.3 0.6 0.0 1.5 0.3 0.6 0.0 0.0 0.0 0.0 20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	NET (MU) 0.0 -2.4 -0.8 -0.9 -7.1 -2.0 -0.2 2.8 -4.3 -0.6 5.8 -1.5 -0.3 -0.6 0.1 0.7 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
HVDC ALIPURDUAR-AGRA	47 799 410 688 170 72 355 644 189 63 357 0 46 0 0 0 ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2.4 0.8 0.9 7.1 2.0 0.2 0.0 4.3 0.6 0.0 1.5 0.3 0.6 0.0 0.0 0.0 20.7	-2.4 -0.8 -0.9 -7.1 -2.0 -0.2 2.8 -4.3 -0.6 5.8 -1.5 -0.3 -0.6 0.1 0.7 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -1.8 -0.5 -1.9.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
HVDC ALPPURDUAR-AGRA	47 799 410 688 170 72 355 644 189 63 357 0 46 0 0 0 ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2.4 0.8 0.9 7.1 2.0 0.2 0.0 4.3 0.6 0.0 1.5 0.3 0.6 0.0 0.0 0.0 20.7	-2.4 -0.8 -0.9 -7.1 -2.0 -0.2 2.8 -4.3 -0.6 5.8 -1.5 -0.3 -0.6 0.1 0.7 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -1.8 -0.5 -1.9.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
3	799 410 688 170 72 355 644 189 63 357 0 46 0 0 0 ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.8 0.9 7.1 2.0 0.2 0.0 0.2 0.0 4.3 0.6 0.0 1.5 0.3 0.6 0.0 0.0 0.0 0.0 0.0 20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	-0.8 -0.9 -7.1 -2.0 -0.2 2.8 -4.3 -0.6 5.8 -1.5 -0.3 -0.6 0.1 0.7 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
4	410 688 170 72 355 644 189 63 357 0 46 0 0 0 ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.8 0.0 0.0 0.0 5.8 0.0 0.0 0.0 0.1 0.7 0.0 0.0 0.0 0.0 9.4 0.0 12.6 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.9 7.1 2.0 0.2 0.0 0.2 0.0 4.3 0.6 0.0 1.5 0.3 0.6 0.0 0.0 0.0 0.0 0.0 20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	-0.9 -7.1 -2.0 -0.2 2.8 -4.3 -0.6 5.8 -1.5 -0.3 -0.6 0.1 0.7 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
5	688 170 72 355 644 189 63 357 0 46 0 0 0 ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR	0.0 0.0 0.0 0.0 0.0 2.8 0.0 0.0 0.0 5.8 0.0 0.0 0.0 0.0 0.0 0.1 0.7 0.0 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	7.1 2.0 0.2 0.0 0.2 0.0 4.3 0.6 0.0 1.5 0.3 0.6 0.0 0.0 0.0 0.0 0.0 20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	-7.1 -2.0 -0.2 2.8 -4.3 -0.6 5.8 -1.5 -0.3 -0.6 0.1 0.7 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
T	72 355 644 189 63 357 0 46 0 0 0 ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR	0.0 2.8 0.0 0.0 0.0 5.8 0.0 0.0 0.0 0.0 0.1 0.7 0.0 0.0 0.0 9.4 0.0 12.6 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.2 0.0 0.0 4.3 0.6 0.0 1.5 0.3 0.6 0.0 0.0 0.0 0.0 0.0 20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	-0.2 2.8 -4.3 -4.3 -0.6 5.8 -1.5 -0.3 -0.6 0.1 0.7 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
8	355 644 189 63 357 0 46 0 0 0 0 ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR	2.8 0.0 0.0 0.0 5.8 0.0 0.0 0.0 0.0 0.1 0.7 0.0 0.0 0.0 9.4 0.0 12.6 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 4.3 0.6 0.0 1.5 0.3 0.6 0.0 0.0 0.0 0.0 0.0 20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	2.8 -4.3 -0.6 5.8 -1.5 -0.3 -0.6 0.1 0.7 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
9	644 189 63 357 0 46 0 0 0 0 0 ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR	0.0 0.0 0.0 5.8 0.0 0.0 0.0 0.0 0.1 0.7 0.0 0.0 9.4 0.0 12.6 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	4.3 0.6 0.0 0.0 1.5 0.3 0.6 0.0 0.0 0.0 0.0 0.0 20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	-4.3 -0.6 5.8 -1.5 -0.3 -0.6 0.1 0.7 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
11	63 357 0 46 0 46 0 0 0 0 ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR 39 117 14 ER-NER	5.8 0.0 0.0 0.0 0.0 0.1 0.7 0.0 0.0 9.4 0.0 12.6 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 1.5 0.3 0.6 0.0 0.0 0.0 0.0 0.0 20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	5.8 -1.5 -0.3 -0.6 0.1 0.7 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -1.9.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
12	357 0 46 0 0 0 0 0 ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR 39 117 14 ER-NER	0.0 0.0 0.0 0.0 0.1 0.7 0.0 0.0 9.4 0.0 12.6 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 0.3 0.6 0.0 0.0 0.0 0.0 0.0 20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	-1.5 -0.3 -0.6 0.1 0.7 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -1.9.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
13	0 46 0 0 0 0 0 0 ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR 39 117 14 ER-NER	0.0 0.1 0.7 0.0 0.0 0.0 0.0 9.4 0.0 12.6 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.6 0.0 0.0 0.0 0.0 0.0 20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	-0.3 -0.6 0.1 0.7 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
15	0 0 0 0 ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR	0.1 0.7 0.0 0.0 0.0 9.4 0.0 12.6 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 0.0 20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	0.1 0.7 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -19.5 -19.5 -19.5 -19.5 -2.6 -45.8 -45.2 -6.5 0.0 -91.3
16	0 0 0 ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR	0.7 0.0 0.0 0.0 9.4 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	0.7 0.0 0.0 0.0 -11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
17	627 1777 3056 977 0 ER-SR 39 117 14 ER-NER	0.0 0.0 9.4 0.0 12.6 0.0 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	0.0 0.0 11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
Import/Export of ER (With WR)	ER-NR 879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR 39 117 14 ER-NER	9.4 0.0 12.6 0.0 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	20.7 1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	-11.3 -1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
1	879 524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR 39 117 14 ER-NER	0.0 12.6 0.0 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.5 0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	-1.5 12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
1	524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR 39 117 14 ER-NER	12.6 0.0 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
2	524 1135 713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR 39 117 14 ER-NER	12.6 0.0 0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 17.1 10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	12.6 -17.1 -10.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
4	713 301 134 110 ER-WR 627 1777 3056 977 0 ER-SR 39 117 14 ER-NER	0.0 0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	10.8 0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	-10.8 -0.5 -1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
S	301 134 110 ER-WR 627 1777 3056 977 0 ER-SR 39 117 14 ER-NER	0.0 0.0 0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.5 1.8 0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	-0.5 -1.8 -0.5 -19.5 -19.5 -0.3 -45.8 -45.2 -6.5 -0.0 -91.3
Color	110 ER-WR 627 1777 3056 977 0 ER-SR 39 117 14 ER-NER	0.0 12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.7 3.7 1.0 7.3	0.5 32.1 0.3 45.8 45.2 6.5 0.0 91.3	-1.8 -0.5 -19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
Import/Export of ER (With SR)	627 1777 3056 977 0 ER-SR 39 117 14 ER-NER	12.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.7 3.7 1.0 7.3	32.1 0.3 45.8 45.2 6.5 0.0 91.3	-19.5 -0.3 -45.8 -45.2 -6.5 0.0 -91.3
1	627 1777 3056 977 0 ER-SR 39 117 14 ER-NER	0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.7 3.7 1.0 7.3	0.3 45.8 45.2 6.5 0.0 91.3	-0.3 -45.8 -45.2 -6.5 0.0 -91.3
1	1777 3056 977 0 ER-SR 39 117 14 ER-NER	0.0 0.0 0.0 0.0 0.0 0.0 2.7 3.7 1.0 7.3	45.8 45.2 6.5 0.0 91.3	-45.8 -45.2 -6.5 0.0 -91.3
2	1777 3056 977 0 ER-SR 39 117 14 ER-NER	0.0 0.0 0.0 0.0 0.0 0.0 2.7 3.7 1.0 7.3	45.8 45.2 6.5 0.0 91.3	-45.8 -45.2 -6.5 0.0 -91.3
3	3056 977 0 ER-SR 39 117 14 ER-NER	0.0 0.0 0.0 2.7 3.7 1.0 7.3	45.2 6.5 0.0 91.3	-45.2 -6.5 0.0 -91.3
S 220 kV BALIMELA-UPPER-SILERRU 1 0	0 ER-SR 39 117 14 ER-NER	0.0 0.0 2.7 3.7 1.0 7.3	0.0 91.3 0.1 0.0 0.0	0.0 -91.3
Import/Export of ER (With NER) 1	ER-SR 39 117 14 ER-NER	2.7 3.7 1.0 7.3	91.3 0.1 0.0 0.0	-91.3 2.6
1 400 kV BINAGURI-BONGAIGAON 2 328 2 400 kV ALIPURDUAR-BONGAIGAON 2 475 3 220 kV ALIPURDUAR-SALAKATI 2 99 Import/Export of NER (With NR) 1 HVDC BISWANATH CHARIALI-AGRA 2 945 Import/Export of WR (With NR) 2 945 1 HVDC CHAMPA-KURUKSHETRA 2 0 2 HVDC VINDHYACHAL B/B - 97 3 HVDC MUNDRA-MOHINDERGARH 2 0 4 765 kV GWALIOR-AGRA 2 556	39 117 14 ER-NER	2.7 3.7 1.0 7.3	0.1 0.0 0.0	2.6
1 400 kV BINAGURI-BONGAIGAON 2 328 2 400 kV ALIPURDUAR-BONGAIGAON 2 475 3 220 kV ALIPURDUAR-SALAKATI 2 99 Import/Export of NER (With NR) 1 HVDC BISWANATH CHARIALI-AGRA 2 945 Import/Export of WR (With NR) 2 945 1 HVDC CHAMPA-KURUKSHETRA 2 0 2 HVDC VINDHYACHAL B/B - 97 3 HVDC MUNDRA-MOHINDERGARH 2 0 4 765 kV GWALIOR-AGRA 2 556	117 14 ER-NER	3.7 1.0 7.3	0.0	
3 220 kV ALIPURDUAR-SALAKATI 2 99	14 ER-NER	1.0 7.3	0.0	3.7
Import/Export of NER (With NR) 1	ER-NER	7.3		1.0
1 HVDC BISWANATH CHARIALI-AGRA 2 945 Import/Export of WR (With NR) 0 0 0 1 HVDC CHAMPA-KURUKSHETRA 2 0 2 HVDC VINDHYACHAL B/B - 97 3 HVDC MUNDRA-MOHINDERGARH 2 0 4 765 kV GWALIOR-AGRA 2 556	0		0.1	7.3
1 HVDC BISWANATH CHARIALI-AGRA 2 945 Import/Export of WR (With NR) 0 0 0 1 HVDC CHAMPA-KURUKSHETRA 2 0 2 HVDC VINDHYACHAL B/B - 97 3 HVDC MUNDRA-MOHINDERGARH 2 0 4 765 kV GWALIOR-AGRA 2 556				1.0
Import/Export of WR (With NR) 1	NER-NR	16.1	0.0	16.1
1 HVDC CHAMPA-KURUKSHETRA 2 0 2 HVDC VINDHYACHAL B/B - 97 3 HVDC MUNDRA-MOHINDERGARH 2 0 4 765 kV GWALIOR-AGRA 2 556		16.1	0.0	16.1
2 HVDC VINDHYACHAL B/B - 97 3 HVDC MUNDRA-MOHINDERGARH 2 0 4 765 kV GWALIOR-AGRA 2 556	4***			
3 HVDC MUNDRA-MOHINDERGARH 2 0 4 765 kV GWALIOR-AGRA 2 556	1218 0	0.0 2.4	29.7 0.0	-29.7 2.4
4 765 kV GWALIOR-AGRA 2 556	1459	0.0	30.5	-30.5
5 765 kV GWALIOR-PHAGI 2 1 1657	2416	2.8	19.9	-17.2
	1428 1164	10.4 0.0	14.3 15.7	-3.9 -15.7
6	0	10.3	0.0	10.3
8 765 kV SATNA-ORAI 1 0	1168	0.0	14.6	-14.6
9 765 kV BANASKANTHA-CHITORGARH 2 1429	448	13.8	0.7	13.1
10 765 kV VINDHYACHAL-VARANASI 2 0 11 400 kV ZERDA-KANKROLI 1 348	2828 73	0.0 3.8	41.6 0.1	-41.6 3.8
12 400 kV ZERDA -BHINMAL 1 240	50	2.7	0.1	2.6
13 400 kV VINDHYACHAL -RIHAND 1 960	0	19.7	0.0	19.7
14 400 kV RAPP-SHUJALPUR 2 673 15 400 kV NEEMUCH-Chittorgarh 2 784	363 373	5.2 7.1	2.1	3.1 5.5
15	148	0.0	2.8	-2.8
17	30	0.0	2.5	-2.5
18 220 kV MEHGAON-AURAIYA 1 77 19 220 kV MALANPUR-AURAIYA 1 55	10 27	0.9	0.0	0.9
19	0	0.7	0.0	0.0
21 132 kV RAJGHAT-LALITPUR 2 0	0	0.0	0.0	0.0
	WR-NR	79.8	176.2	-96.4
Import/Export of WR (With SR)	1012	0.0	24.0	24.0
1 HVDC BHADRAWATI B/B - 0 2 HVDC RAIGARH-PUGALUR 2 0	1013 3508	0.0	24.0 67.5	-24.0 -67.5
3 765 kV SOLAPUR-RAICHUR 2 1776	884	17.1	2.3	14.9
4 765 kV WARDHA-NIZAMABAD 2 208	2450	0.1	20.1	-20.0
5 765 kV WARORA-WARANGAL(NEW) 2 59 6 400 kV KOLHAPUR-KUDGI 2 1793	2831	0.0 29.9	25.2 0.0	-25.2 29.9
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	117 WR-SR	2.3 49.4	0.0 139.0	2.3 -89.6
	WK-SK	47.4		
INTERNATIONAL EXCHANGES				(+ve)/Export(-ve) Energy Exchange
State Region Line Name	Max (MW)	Min (MW)	Avg (MW)	(MU)
400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e.				
ER ALIPURDUAR RECEIPT (from MANGDECHU	433	117	308	7.40
HEP 4*180MW) 400kV TALA-BINAGURI 1,2,4 (& 400kV			+	
ER MALBASE - BINAGURI) i.e. BINAGURI	-276	57	-78	-1.88
RECEIPT (from TALA HEP 6*170MW) 220kV CHUKHA-BIRPARA 1&2 (& 220kV				
BHUTAN ER MALBASE - BIRPARA) i.e. BIRPARA RECEIPT	-248	-119	-169	-4.05
(from CHUKHA HEP 4*84MW)	- M-TU	-11/		-1.05
	4.7			6.22
NER 132kV GELEPHU-SALAKATI	-16	1	-9	-0.22
1	27	2	16	0.39
NER 132kV MOTANGA-RANGIA	21			
NER 132kV MOTANGA-RANGIA	21		0	-1.28
NER 132kV MOTANGA-RANGIA NR NEPAL IMPORT (FROM UP)	0	0		
		0	•	-1.26
NR NEPAL IMPORT (FROM UP)	0		Λ .	-1.40
	0	0	0	1
NR NEPAL IMPORT (FROM UP) NEPAL NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0 0	0		
NR NEPAL IMPORT (FROM UP)	0		-95	-2.27
NR NEPAL IMPORT (FROM UP) NEPAL NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0 0	0		-2.27
NR NEPAL IMPORT (FROM UP) NEPAL NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0 0	0		-2.27 -8.51
NR NEPAL IMPORT (FROM UP) NEPAL NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) ER NEPAL IMPORT (FROM BIHAR)	0 0 -198	0	-95	
NR NEPAL IMPORT (FROM UP) NEPAL NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) ER NEPAL IMPORT (FROM BIHAR) ER 400kV DHALKEBAR-MUZAFFARPUR 1&2	0 0 -198 -603	0 0 -2	-95 -355	-8.51
NR NEPAL IMPORT (FROM UP) NEPAL NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) ER NEPAL IMPORT (FROM BIHAR)	0 0 -198	0	-95	
NR NEPAL IMPORT (FROM UP) NEPAL NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) ER NEPAL IMPORT (FROM BIHAR) ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 ER BHERAMARA B/B HVDC (B'DESH)	0 0 -198 -603 -933	0 0 -2 -885	-95 -355 -926	-8.51 -22.23
NR NEPAL IMPORT (FROM UP) NEPAL NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) ER NEPAL IMPORT (FROM BIHAR) ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 ER BHERAMARA B/B HVDC (B'DESH) ER 400kV CODDA TRS PAHANDUR (B'DESH) D/C	0 0 -198 -603 -933	0 0 -2	-95 -355	-8.51
NR NEPAL IMPORT (FROM UP) NEPAL NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) ER NEPAL IMPORT (FROM BIHAR) ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 ER BHERAMARA B/B HVDC (B'DESH)	0 0 -198 -603 -933	0 0 -2 -885	-95 -355 -926	-8.51 -22.23
NR NEPAL IMPORT (FROM UP) NEPAL NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) ER NEPAL IMPORT (FROM BIHAR) ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 ER BHERAMARA B/B HVDC (B'DESH) ER 400kV CODDA TPS-PAHANPUR (B'DESH) D/C	0 0 -198 -603 -933	0 0 -2 -885	-95 -355 -926	-8.51 -22.23

Export From India (in MU)

					T-GNA				
	GNA				COLLI	ECTIVE]
Country	(ISGS/PPA)	BILATERAL		IDAM			RTM		TOTAL
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.00	0.40	4.15	0.00	0.00	0.00	0.00	0.00	4.55
Nepal	2.35	0.00	3.00	0.00	0.00	4.39	0.00	0.00	9.74
Bangladesh	23.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.04
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	25.39	0.40	7.15	0.00	0.00	4.39	0.00	0.00	37.33

Import by India(in MU)

					T-GNA				
	GNA				COLLE	ECTIVE			
Country	(ISGA/PPA)	BILATERAL		IDAM			RTM		TOTAL
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	5.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.66
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	5.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.66

Net from India	in MU)						-ve : I	Export / +ve : Im	port
					T-GNA				
	GNA				COLLI	ECTIVE			
Country	(ISGS/PPA)	BILATERAL		IDAM			RTM		TOTAL
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	5.66	-0.40	-4.15	0.00	0.00	0.00	0.00	0.00	1.11
Nepal	-2.35	0.00	-3.00	0.00	0.00	-4.39	0.00	0.00	-9.74
Bangladesh	-23.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.04
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-19.73	-0.40	-7.15	0.00	0.00	-4.39	0.00	0.00	-31.67

Page			4= 54	/								e of Reporting:	<u> </u>
Page			15 Min	(INSTANT	ANEOUS)	ALL INDIA	GRID FREQ	UENCY, GI	ENERATIO	N & DEMA	-		T
Page			DEMAND								NET	TOTAL	NET TRANSNATIONAL
	TINAE	FREQUENCY		NUCLEAR	WIND	SOLAR	HYDRO**	GAS	THERMAL	OTHERS*	DEMAND	GENERATIO	EXCHANGE
	IIIVIE	(Hz)		(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	MET	N	(MW)
May 19			(IVIW)								(MW)	(MW)	(+ve) Import, (-ve)
500 500.01 21.5708 6.900. 1.2409 5.80 7.1709 7.2324 18.76 2.0114 11.77 500 5.900.01 2.12457 2.884 1.2397 5.90 2.0861 2.2230 1.2713 1.275 2.00482 1.2321 1.230 1.00 5.900.06 2.12458 1.2924 1.2924 1.9041 1.9041 1.2023 1.1319 1.00 5.900.06 2.12458 1.2924 1.2924 1.9041 1.2023 1.1319 1.00 5.900.06 2.12458 1.2924 1.7924 1.9041 1.9049 2.1319 1.00 5.900.06 1.2024 1.7024 1.7024 1.9024 1.9049 2.9049 1.9049 2.9049 1.9049 2.9049 1.9049 2.9049 1.9049 2.9049 1.9049 2.9049 1.9049 2.9049 1.9049 2.9044 1.9049 2.9044 1.9049 2.9044 1.9049 2.9044 1.9044 2.9049 2.9049 2.9049			(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	-		
0501 500.01 114509 6944 12498 50 20081 3200 12437 288 1237 88 2088 3220 12732 1875 20084 12732 1875 20084 12732 1875 20084 12732 1875 20084 12734 1875 20084 12734 1874 1890 20084 20184 12747 1146 105 50.05 20938 1938 42 17937 2888 18685 18968 20190 20190 19090 </th <th>0.00</th> <th>50.01</th> <th></th>	0.00	50.01											
900 5000.1. 214275 6289.3. 1928.9. 598.0. 3289.0. 1712.9. 1209.2. 1209													
0.60 0.00 2.12.00 .99.00 1.27.08 .48. .000.00 .3374 .71.02 .18.99 .71.00 .18.99 .11.00 .90.00 .20.384 .29.00 .12.00 .12.00 .90.00 .20.284 .29.00 .13.00 .42. .17.00 .20.00 .10.00			 										
1906 11465 12866 12866 12866 427 19944 3065 70614 1266 199576 12373 1-1386 1267 1267 1268 1267 1267 1268 1267 1268 1267 1268 1267 1268 1267 1268													
151 150													
1396 1506 20761 6220 13671 47 1038 2885 15072 1593 14908 219997 1-146 1405 200 200 200 200 13907 13907 200 200 200 200 13907 13907 200 2	1:00	50.06	211465	6289	12963	47	19541	3065	170611	1863	198455	214379	-1346
1445 1500	1:15	50.06	209384	6296	13366	42	17937	2888	169858	1846	195976	212233	-1339
200 200	1:30	50.06	207816	6290	13671	47	17083	2835	169172	1893	194098	210991	-1348
25.5 50.00 30.06 30.372 62.02 30.07 30.072 30.072 30.072 30.072 30.072 30.08 31.089 30.072 30.08 30.01	1:45	50.06	207052	6299	13847	56	16776	2784	168337	1871	193149	209970	-1416
23.05 50.06 2013.17 53.98 1.95.04 1.95.08 1.95.08 1.95.08 1.95.04 1.94.44 1.94.02 2.95.44 1.95.02 1.77.8 1.88.21 2.00.14 1.94.44 1.94.02 2.95.44 1.95.03 1.77.8 1.88.21 2.00.14 1.94.44 1.94.24 1.95.02 1.95.24 1.95.24 1.95.24 1.95.24 1.95.24 1.95.24 1.95.24 1.95.24 1.95.23 1.95.24 1.97.24 1.93.24 1.95.23 1.95.24 1.97.20 1.95.23 1.95.24 1.95.23 1.95.24 1.95.23 1.95.25 1.95.06 1.95.26 1.95.24 1.95.24 1.95.25 1.95.25 1.95.26 1.95.26 1.95.24 1.95.24 1.95.24 1.95.23 1.95.25 1.95.24 1.95.22 1.95.2	2:00	50.06	205491	6309	13902	50	16244	2762	167083	1899	191539	208249	-1433
254 Solos 3000 Solos 30154 Olls 3018 Solos 3188 Solos 318 Solos 3188 Solo	2:15	50.06	204468	6312	13953	49	15319	2724	167063	1817	190466	207237	-1426
300 300 3016 3186 42	2:30	50.06	203572	6323	13859	50	14528	2698	167079	1806	189663	206343	-1444
300 300.1 301.6 311.8 311.5 42. 1889 264.5 1653.4 377.0 1889.3 201.40 1444 315.5 500.1 2009.6 632.6 12766 46. 1378.8 252.5 1655.6 176.6 1872.4 570.0 1879.8 2032.7 1444 330.8 500.0 2009.6 632.6 12766 46. 1378.8 235.5 1655.6 176.6 1872.4 570.0 1879.8 2032.8 1444 400 500.0 2953.6 632.7 1253.6 40. 1295.8 235.5 1655.6 176.6 1872.4 1879.8 1879.8 1809.6 2022.6 1444 400 500.0 2959.6 632.0 2027.0 43. 4107.7 250.0 1617.2 279.8 1862.6 2010.0 1444 400 500.0 3999.0 632.5 2022.0 2027.0 46. 1551.3 2495.1 1655.7 381.6 1866.6 2015.6 3101.4 3101.4 34.5 500.0 3999.0 632.5 2022.0 2027.0 46. 1551.3 2495.1 1655.7 382.6 1866.6 2015.6 3101.4 3101.4 34.5 34.	2:45	50.06	202512	6328	13641	44	14302	2664	166585	1776	188827	205340	-1434
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15:45 50.06 204507 6293 8375 45802 9475 2556 133638 1969 150330 208108 -1518 16:00 50.06 204043 6287 9237 42536 10079 2548 135215 1896 152270 207798 -1508 16:15 50.01 202562 6289 9384 38947 10591 2554 136526 1882 154231 206173 -1425 16:30 50.06 201762 6289 9730 34991 11050 2551 138874 1861 157041 205346 -1396 16:45 50.01 201388 6298 10157 30658 10868 2559 142316 1846 160573 204702 -1348 17:00 50.01 199884 6289 10522 26472 11011 2569 144598 1788 162890 203249 -1199			204667	6282	8079		9485	2559	131109	1886	147582	208406	-1693
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23:00	49.95	212821	6297	11058	49	20898	3127	172187	1945	201714	215561	-1258
23:15	49.80	213142	6291	10811	59	21195	3129	172546	1898	202272	215929	-1237
23:30	50.00	212554	6282	10877	65	20893	3116	172317	1928	201612	215478	-1351
23:45	49.95	212106	6289	10954	60	20491	3154	172019	1926	201092	214893	-1362
*	in aluda (i) Diam		1 ()					/ !!	\ /\ 0		in Odiaha/maani	

^{*}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).

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- 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.

^{**} Hydro generation is excluding Bhutan hydro.

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