



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: 30.09.2025

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 29.09.2025.

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 29-सितंबर-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 29.09.2025, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 30-Sep-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)	81196	58940	47594	29377	3731	220838
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1819	1357	1081	652	76	4986
Hydro Gen (MU)	339	117	175	106	37	773
Wind Gen (MU)	27	125	240	-	-	393
Solar Gen (MU)*	185.85	98.30	129.99	3.04	1.31	418
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)	81520	64431	50036	30124	3842	226562
Time Of Maximum Demand Met	22:19	18:51	09:19	18:51	17:57	18:55

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	0.047	0.07	1.62	6.35	8.04	74.09	17.87

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	13714	0	297.6	189.0	-1.8	463	0.00
	Haryana	12682	0	266.3	207.1	-0.7	335	0.00
	Rajasthan	15821	0	348.5	124.4	0.8	775	0.00
	Delhi	7001	0	147.1	140.0	0.4	304	0.00
	UP	29483	0	600.5	255.8	0.5	1425	0.00
	Uttarakhand	2559	0	52.5	27.7	0.3	161	0.00
	HP	1896	0	39.0	7.6	-0.4	66	0.00
	J&K(UT) & Ladakh(UT)	2667	0	55.8	33.9	-0.1	259	0.00
	Chandigarh	350	0	7.0	6.7	0.3	24	0.00
	Railways_NR ISTS	211	0	4.4	4.0	0.5	42	0.00
WR	Chhattisgarh	5206	0	112.2	56.6	-1.6	299	0.00
	Gujarat	19064	0	421.1	198.8	-9.7	682	0.00
	MP	12178	0	263.1	126.8	-0.4	530	0.00
	Maharashtra	24187	0	483.3	157.7	-7.6	663	0.00
	Goa	668	0	13.8	11.4	2.0	78	0.00
	DNHDDPDCL	1247	0	28.0	29.2	-1.2	26	0.00
	AMNSIL	792	0	17.7	10.4	0.4	267	0.00
	BALCO	535	0	12.8	12.7	0.1	10	0.00
	RIL JAMNAGAR	253	0	5.3	5.3	0.0	0	0.00
	Andhra Pradesh	9935	0	213.6	35.1	0.2	912	0.00
SR	Telangana	9676	0	190.7	44.4	1.4	575	0.00
	Karnataka	11369	0	216.0	25.1	-0.9	644	0.00
	Kerala	4371	0	83.2	49.0	-0.2	562	0.00
	Tamil Nadu	17936	0	367.0	133.9	-2.5	634	0.00
	Puducherry	471	0	10.3	9.6	0.0	50	0.00
	Bihar	8236	0	177.4	161.3	-0.6	423	0.00
ER	DVC	3045	0	65.9	-40.7	-0.9	398	0.00
	Jharkhand	2215	0	45.9	34.3	0.5	256	0.00
	Odisha	6501	0	134.0	53.5	-1.3	602	0.00
	West Bengal	10810	0	227.9	86.9	-1.5	566	0.00
	Sikkim	77	0	1.2	1.3	-0.1	16	0.00
	Railways_ER ISTS	21	0	0.1	0.1	0.0	4	0.00
NER	Arunachal Pradesh	209	0	3.7	3.5	-0.2	15	0.00
	Assam	2500	0	51.8	43.4	0.7	56	0.00
	Manipur	233	0	3.3	3.2	0.1	7	0.00
	Meghalaya	306	0	5.3	2.2	-0.1	58	0.00
	Mizoram	136	0	2.1	1.0	-0.2	0	0.00
	Nagaland	188	0	3.3	2.9	-0.1	1	0.00
	Tripura	349	0	6.5	5.7	0.1	26	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	54.0	22.3	-24.0	-15.6
Day Peak (MW)	2369.4	1119.5	-1034.7	-660.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	486.4	-297.9	-133.9	-64.0	9.5	0.0
Actual(MU)	488.0	-292.7	-127.4	-86.2	9.8	-8.4
O/D/U/D(MU)	1.7	5.2	6.5	-22.2	0.4	-8.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5811	11981	5288	4500	305	27884	52
State Sector	4014	12437	7923	1509	199	26082	48
Total	9825	24417	13211	6009	504	53965	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	803	1325	616	690	10	3444	64
Lignite	26	15	53	0	0	95	2
Hydro	339	117	175	106	37	773	14
Nuclear	34	65	41	0	0	140	3
Gas, Naptha & Diesel	7	18	4	0	23	53	1
RES (Wind, Solar, Biomass & Others)	220	225	397	6	1	849	16
Total	1431	1765	1286	801	71	5354	100

Share of RES in total generation (%)	15.41	12.76	30.83	0.73	1.86	15.86
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	41.49	23.04	47.63	13.91	54.56	32.93

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.014
Based on State Max Demands	1.055

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	216577	17:59	0
Non-Solar hr	226562	18:55	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: 30-Sep-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	312	0.0	7.4	-7.4
2	HVDC	PUSAULI B/B	-	0	47	0.0	2.5	-2.5
3	765 kV	GAYA-VARANASI	2	495	924	0.0	5.7	-5.7
4	765 kV	SASARAM-FATEHPUR	1	194	538	0.0	3.6	-3.6
5	765 kV	GAYA-BALIA	1	0	969	0.0	16.5	-16.5
6	400 kV	PUSAULI-VARANASI	1	0	116	0.0	1.5	-1.5
7	400 kV	PUSAULI -ALLAHABAD	1	20	92	0.0	0.9	-0.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1036	0.0	16.6	-16.6
9	400 kV	PATNA-BALIA	2	0	1022	0.0	13.4	-13.4
10	400 kV	NAUBATPUR-BALIA	2	145	410	0.0	3.9	-3.9
11	400 kV	BIHARSHARIFF-BALIA	2	174	295	0.0	1.6	-1.6
12	400 kV	MOTIHARI-GORAKHPUR	2	0	660	0.0	9.8	-9.8
13	400 kV	BIHARSARIEFF-SAHUPURI	2	451	392	0.0	3.2	-3.2
14	220 kV	SAHUPURI-KARAMANASA	1	5	75	0.0	2.2	-2.2
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	30	0	0.6	0.0	0.6
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						0.6	88.8	-88.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	478	603	0.0	3.7	-3.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	2227	0	38.6	0.0	38.6
3	765 kV	JHARSUGUDA-DURG	2	292	358	0.0	1.5	-1.5
4	400 kV	JHARSUGUDA-RAIGARH	4	452	226	2.3	0.0	2.3
5	400 kV	RANCHI-SIPAT	2	538	0	8.0	0.0	8.0
6	400 kV	JEYPORE-JAGDALPUR	2	0	664	0.0	8.8	-8.8
7	220 kV	BUDHIPADAR-RAIGARH	1	57	114	0.0	0.6	-0.6
8	220 kV	BUDHIPADAR-KORBA	2	162	57	1.1	0.0	1.1
ER-WR						49.9	14.6	35.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	803	0	17.8	0.0	17.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1229	0.0	25.0	-25.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2516	0.0	31.0	-31.0
4	400 kV	TALCHER-I/C	2	648	385	0.0	0.5	-0.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						17.8	56.0	-38.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	389	0.0	4.5	-4.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	913	0.0	13.9	-13.9
3	220 kV	ALIPURDUAR-SALAKATI	2	0	166	0.0	2.5	-2.5
ER-NER						0.0	20.9	-20.9
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.1	-12.1
NER-NR						0.0	12.1	-12.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	5543	0.0	97.1	-97.1
2	HVDC	VINDHYACHAL B/B	-	0	513	0.0	10.5	-10.5
3	HVDC	MUNDRA-MOHINDERGARH	2	0	2369	0.0	34.5	-34.5
4	765 kV	GWALIOR-AGRA	2	0	3026	0.0	56.3	-56.3
5	765 kV	GWALIOR-PHAGI	2	212	2287	0.4	32.8	-32.4
6	765 kV	JABALPUR-ORAI	2	0	1521	0.0	56.8	-56.8
7	765 kV	GWALIOR-ORAI	1	804	0	13.4	0.0	13.4
8	765 kV	SATNA-ORAI	1	0	1208	0.0	22.7	-22.7
9	765 kV	BANASKANTHA-CHITORGARH	2	1592	1268	8.3	7.0	1.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	4011	0.0	74.8	-74.8
11	400 kV	ZERDA-KANKROLI	1	323	104	1.7	0.4	1.4
12	400 kV	ZERDA -BHINMAL	1	223	72	1.2	0.3	0.9
13	400 kV	VINDHYACHAL -RIHAND	1	0	1	0.0	0.0	0.0
14	400 kV	RAPP-SHUJALPUR	2	51	739	0.0	8.7	-8.6
15	400 kV	NEEMUCH-Chittorgarh	2	0	934	0.0	12.5	-12.5
16	220 kV	BHANPURA-RANPUR	1	0	118	0.0	2.1	-2.1
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.4	-2.4
18	220 kV	MEHGAON-AURAIYA	1	60	47	0.1	0.4	-0.3
19	220 kV	MALANPUR-AURAIYA	1	34	61	0.0	0.7	-0.7
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
WR-NR						25.2	419.9	-394.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	905	0	20.5	0.0	20.5
2	HVDC	RAIGARH-PUGALUR	2	2876	0	51.2	0.0	51.2
3	765 kV	SOLAPUR-RAICHUR	2	1999	468	25.1	0.3	24.8
4	765 kV	WARDHA-NIZAMABAD	2	882	1549	4.6	5.8	-1.2
5	765 kV	WARORA-WARANGAL(NEW)	2	543	1129	2.1	5.0	-2.9
6	400 kV	KOLHAPUR-KUDGI	2	2414	0	43.2	0.0	43.2
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	94	1.7	0.0	1.7
WR-SR						148.5	11.1	137.3
INTERNATIONAL EXCHANGES								
State	Region	Line Name		Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)	
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 I.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)		1418	1274	1348	32.36	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)		830	667	765	18.37	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)		120	46	90	2.15	
	NER	132kV GELEPHU-SALAKATI		41	-8	9	0.21	
	NER	132kV MOTANGA-RANGIA		67	-1	38	0.91	
NEPAL	NR	NEPAL IMPORT (FROM UP)		-54	0	0	0.00	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)		52	0	18	0.42	
	ER	NEPAL IMPORT (FROM BIHAR)		178	145	159	3.82	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2		840	514	752	18.04	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)		-989	-934	-960	-23.04	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C		-661	-633	-652	-15.64	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2		-44	0	-40	-0.96	

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 30-Sep-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nepal	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38
Bangladesh	23.62	0.19	0.00	0.00	0.00	0.00	0.00	0.00	23.81
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	24.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	24.19

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	32.64	0.00	1.34	0.00	0.00	0.16	0.00	0.00	34.14
Nepal	9.11	4.81	0.00	0.00	0.00	8.79	0.00	0.00	22.71
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	41.75	4.81	1.34	0.00	0.00	8.95	0.00	0.00	56.85

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	32.64	0.00	1.34	0.00	0.00	0.16	0.00	0.00	34.14
Nepal	8.73	4.81	0.00	0.00	0.00	8.79	0.00	0.00	22.33
Bangladesh	-23.62	-0.19	0.00	0.00	0.00	0.00	0.00	0.00	-23.81
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	17.75	4.62	1.34	0.00	0.00	8.95	0.00	0.00	32.66

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 (MW)	TOTAL GENERATION (MW)	NET TRANSNATIONAL EXCHANGE (MW)
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I=A-(C+D))	(J=B+C+D+E+F+G+H)	(K)
0:00	50.06	222721	5151	16350	0	31964	1851	145580	1906	185921	202802	1825
0:15	50.00	200925	5195	16314	0	30862	1814	146446	1925	184611	202556	1819
0:30	50.00	199697	5165	16028	0	31131	1832	144945	1884	183669	200985	1859
0:45	50.05	198197	5222	15603	0	30649	1831	144235	1890	182594	199430	1821
1:00	50.05	196551	5187	15335	0	30463	1829	143212	1904	181216	197930	1791
1:15	49.95	195217	5168	15197	0	30205	1831	142497	1877	180020	196775	1870
1:30	50.00	193858	5182	15147	0	29869	1822	141573	1873	178711	195466	1874
1:45	50.06	192568	5190	15227	0	29363	1829	140598	1932	177341	194139	1867
2:00	50.01	191054	5188	15487	0	28410	1825	139585	1892	175567	192387	1903
2:15	50.06	189903	5180	15604	0	28701	1833	138273	1822	174299	191413	1910
2:30	50.00	189075	5196	15639	0	28340	1832	137613	1927	173436	190547	1919
2:45	50.00	188797	5191	15648	0	28210	1832	137574	1874	173149	190329	1917
3:00	50.00	188216	5196	15595	0	28077	1836	137133	1830	172621	189667	1937
3:15	50.00	187440	5208	15419	0	28049	1900	136656	1816	172021	189048	1897
3:30	50.05	186530	5204	15257	0	27738	1896	136264	1855	171273	188214	1928
3:45	50.00	186136	5210	15220	0	27348	1899	136276	1797	170916	187750	1956
4:00	50.00	185951	5196	15007	0	27228	1896	136382	1868	170944	187577	1963
4:15	49.95	186671	5201	14734	0	27168	1901	137517	1820	171937	188341	2004
4:30	49.95	187644	5212	14639	0	27018	1895	138356	1829	173005	188949	2085
4:45	50.00	188367	5219	14749	0	26606	1903	139460	1889	173618	189826	2041
5:00	50.00	189661	5218	14965	78	26669	1903	140411	1875	174618	191119	2037
5:15	50.00	190729	5211	14632	79	26062	1920	142429	1818	176018	192151	1979
5:30	50.06	192019	5201	14680	76	26389	1965	143712	1861	177263	193884	1878
5:45	50.00	193069	5220	14556	95	27131	1987	143911	1854	178418	194754	1841
6:00	50.05	193201	5213	14211	78	27824	1983	143711	1833	178912	194853	1880
6:15	50.01	191773	5215	14073	204	28001	2017	142096	1850	177496	193456	1881
6:30	50.01	193795	5209	14196	675	29224	1993	141952	1913	178924	195162	1860
6:45	50.06	194277	5220	14484	1967	29607	1994	140408	1852	177826	195532	1860
7:00	50.16	194378	5223	14500	4532	29064	1990	138234	1842	175346	195385	1852
7:15	50.06	196212	5221	14145	8385	29689	2003	135888	1864	172682	197195	1940
7:30	50.06	196419	5211	13791	13052	29521	2006	131657	1904	169576	197142	1948
7:45	50.11	195602	5222	13477	18297	28055	2007	127118	1921	163828	196097	1967
8:00	50.16	195682	5211	13704	23628	26609	2007	123219	1902	158350	196280	1963
8:15	50.06	197393	5210	14187	29059	26855	2003	119076	1914	154147	198304	1982
8:30	50.01	199206	5197	14552	33209	27257	2012	116319	1907	151445	200453	1973
8:45	50.06	202096	5193	14619	38120	26847	2023	114758	1980	149357	203540	1959
9:00	50.06	204903	5176	15237	41531	26374	2010	113821	1967	148135	206116	1980
9:15	49.96	210813	5186	15957	46117	26268	2031	114568	1939	148739	212066	2016
9:30	50.11	212747	5181	16285	49087	25621	2030	113765	2027	147375	213996	1957
9:45	50.06	213856	5178	17069	51365	24884	2036	112677	1927	145422	215136	1944
10:00	50.11	214589	5177	17516	52509	24850	2024	111788	1958	144564	215822	1887
10:15	50.01	214517	5188	17790	52202	25190	2037	111860	2042	144525	216309	1941
10:30	50.11	214554	5188	18099	52557	24933	2024	111079	1966	143898	215846	1955
10:45	50.06	214141	5190	18439	52648	24857	2028	110205	1956	143054	215323	2032
11:00	50.16	215161	5200	19069	53983	24347	2025	109627	1990	142109	216241	2002
11:15	50.00	214141	5192	19418	52538	24561	2036	109526	1981	142185	215252	2060
11:30	49.95	213840	5177	19374	50306	24972	2007	111042	1942	144160	214820	2018
11:45	50.00	213845	5197	19487	50676	24951	1871	110726	1993	143682	214901	2012
12:00	49.95	213876	5200	19632	51213	24662	1874	110209	2032	143031	214822	2070
12:15	50.01	212518	5213	19883	51573	23822	1981	108697	2126	141062	213295	2117
12:30	50.06	212233	5185	20364	51443	23521	1969	108829	2020	140426	213331	2151
12:45	49.96	211068	5190	20337	49186	23778	1997	109182	2049	141545	211719	2167
13:00	50.06	209091	5180	19769	48863	23666	2031	108391	1950	140459	209850	2096
13:15	50.01	205944	5198	20339	46433	22936	2029	107688	2027	139172	206650	2210
13:30	49.96	206730	5202	20998	45520	23002	2040	108534	1992	140212	207288	2192
13:45	49.91	207150	5187	20976	45611	23746	2053	108952	1905	140563	208430	2208
14:00	50.01	208771	5207	20982	46506	24054	2040	108787	1958	141283	209534	2182
14:15	49.96	209485	5191	20939	47420	24292	2053	108996	1864	141126	210755	2248
14:30	49.91	211709	5187	21518	48521	24536	2047	110209	1947	141670	213965	2256
14:45	49.86	212454	5170	21936	46804	24426	2034	112151	1876	143714	214397	2232
15:00	49.91	212208	5181	21680	43697	24769	2040	114477	1852	146831	213696	2238
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15:30	49.96	214113	5180	20775	38100	25734	2025	122358	1799	155238	215971	2072
15:45	49.96	214278	5188	20845	34834	25825	2033	125521	1800	158599	216046	2154
16:00	50.01	214274	5192	20635	29253	25776	2037	130321	1802	164386	215016	2188
16:15	49.96	211548	5216	20480	25584	25301	2052	131641	1828	165484	212102	2288
16:30	50.01	212003	5185	20068	22605	26107	2117	134498	1765	169330	212345	2366
16:45	50.01	211861	5180	19562	18803	26511	2204	138044	1795	173496	212099	2373
17:00	50.01	210502	5170	18989	14583	26965	2214	141002	1889	176930	210812	2377
17:15	50.01	209770	5185	18312	11073	27485	2268	141068	1834	180385	207225	2370
17:30	50.06	210599	5192	17666	8168	28256	2354	148180	1754	184765	211570	2331
17:45	49.91	214778	5186	17503	5218	30385	2360	152905	1833	192057	215390	2273
18:00	50.06	216661	5189	17455	2632	31651	2382	156689	1863	196574	217861	2218
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18:30	49.76	222640	5191	16613	449	35746	2630	161641	1863	205578	224133	2181
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19:00	49.96	225738	5200	17037	70	37120	2709	162580	1846	208631	226562	2196
19:15	49.96	225149	5198	16862	83	36936	2523	162666	1853	208204	226121	2074
19:30	50.01	224961	5189	16491	0	36914	2520	162847	1901	208470	225862	2115
19:45	50.01	223594	5199	15833	0	36387	2517	162331	1869	207761	224136	2097
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21:00	49.96	218105	5204	14440	0	34614	2506	160115	1918	203665	218797	2124
21:15	49.96	218085	5200	14243	0	34531	2520	160342	1864	203842	218700	2155
21:30	49.96	217169	5208	13875	0	34578	2516	159628	1852	203294	217657	2131
21:45	50.01	216278	5216	13308	0	35564	2422	158622	1880	202970	217012	2094
22:00	50.01	215209	5209	13011	0	35486	2335	158288	1863	202198	216192	1860
22:15	49.91	215749	5207	12575	0	35711	2326	159104	1885	203174	216808	1721