



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: 04.03.2025

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, शहीद 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, लापलंग, 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 03.03.2025.**

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 3-मार्च-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 03.03.2025, is available at the NLDC website.

धन्यवाद,  
Thanks

Report for previous day

Date of Reporting: 04-Mar-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 19:00 hrs; from RLDCs)	53937	69134	52214	24500	2655	202440
Peak Shortage (MW)	62	313	0	124	19	518
Energy Met (MU)	1163	1644	1379	519	49	4754
Hydro Gen (MU)	121	74	99	22	9	325
Wind Gen (MU)	44	76	31	-	-	151
Solar Gen (MU)*	198.02	133.16	134.41	3.57	1.14	470
Energy Shortage (MU)	0.98	3.94	0.00	0.20	0.27	5.39
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59734	77526	67634	24951	2813	226800
Time Of Maximum Demand Met	09:43	10:54	11:30	18:38	18:06	10:30

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	0.064	0.09	2.63	13.44	16.16	72.19	11.65

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	7379	0	137.3	50.7	-0.9	358	0.00
	Harvana	6949	0	138.4	82.0	0.1	193	0.00
	Rajasthan	17190	0	324.9	87.6	-5.7	597	0.00
	Delhi	3858	0	72.0	61.5	2.1	440	0.00
	UP	17822	0	347.2	81.6	-0.2	759	0.53
	Uttarakhand	2110	0	39.8	27.3	-0.2	115	0.00
	HP	1915	0	35.2	25.5	-0.2	621	0.00
	J&K(UT) & Ladakh(UT)	2980	0	61.0	55.8	-0.2	800	0.45
	Chandigarh	219	0	3.6	3.5	0.1	68	0.00
	Railways_NR ISTS	196	0	4.0	3.7	0.4	40	0.00
WR	Chhattisgarh	6146	0	140.2	74.2	0.2	636	0.00
	Gujarat	22740	0	449.5	184.6	-2.1	3461	0.00
	MP	16404	0	325.2	197.8	-0.2	1236	3.94
	Maharashtra	29363	0	647.4	242.0	-1.2	2419	0.00
	Goa	780	0	15.8	14.8	0.6	65	0.00
	DNHDDPDCL	1337	0	29.8	30.2	-0.4	30	0.00
	AMNSIL	778	0	17.5	8.4	0.1	234	0.00
	BALCO	532	0	12.7	12.7	0.0	530	0.00
	RIL JAMNAGAR	235	0	5.6	5.6	0.0	0	0.00
	Andhra Pradesh	12772	0	243.2	73.8	1.0	657	0.00
SR	Telangana	16311	0	317.7	195.5	-0.7	1091	0.00
	Karnataka	18196	0	341.8	138.7	1.3	1097	0.00
	Kerala	4905	0	96.4	74.7	1.3	311	0.00
	Tamil Nadu	17934	0	370.5	232.5	-1.1	902	0.00
ER	Puducherry	454	0	9.6	9.1	-0.2	70	0.00
	Bihar	4923	0	100.3	90.3	3.6	298	0.20
	DVC	3368	0	71.5	-41.9	-0.2	323	0.00
	Jharkhand	2093	0	40.2	31.4	-0.3	192	0.00
	Odisha	5851	0	122.4	41.3	0.0	545	0.00
	West Bengal	8757	0	182.7	38.2	-1.9	191	0.00
	Sikkim	107	0	1.6	1.8	-0.2	22	0.00
	Railways_ER ISTS	18	0	0.2	0.2	0.0	0	0.00
NER	Arunachal Pradesh	178	0	2.9	3.1	-0.3	17	0.00
	Assam	1653	0	29.3	22.6	0.4	109	0.00
	Manipur	185	51	2.7	2.7	0.0	41	0.27
	Meghalava	312	0	4.8	3.9	-0.3	76	0.00
	Mizoram	155	0	2.3	1.8	0.2	31	0.00
	Nagaland	156	0	2.2	2.3	-0.1	21	0.00
	Tripura	257	0	4.9	4.2	0.6	45	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-5.0	-11.9	-24.0	-28.0
Day Peak (MW)	-426.0	-693.3	-1055.0	-1374.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	46.4	-169.0	271.0	-157.8	9.5	0.0
Actual(MU)	26.4	-166.9	289.8	-168.5	9.3	-9.9
O/D/U/D(MU)	-20.0	2.2	18.8	-10.7	-0.2	-9.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5089	10326	3628	2956	1161	23160	44
State Sector	9573	10253	6696	2539	181	29242	56
Total	14662	20579	10324	5495	1342	52402	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	782	1560	739	751	11	3843	75
Lignite	23	15	53	0	0	91	2
Hydro	121	74	99	22	9	325	6
Nuclear	21	65	76	0	0	161	3
Gas, Naptha & Diesel	8	8	4	0	24	45	1
RES (Wind, Solar, Biomass & Others)	265	211	199	6	1	682	13
Total	1221	1934	1170	778	45	5147	100

Share of RES in total generation (%)	21.68	10.93	16.99	0.74	2.59	13.24
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.31	18.11	31.97	3.55	21.86	22.69

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.025
Based on State Max Demands	1.047

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	226800	10:30	33
Non-Solar hr	205132	18:57	221

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.

**INTER-REGIONAL EXCHANGES**

Import=(+ve) /Export =(-ve) for NET (MU)  
Date of Reporting: **04-Mar-2025**

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0	
2	HVDC	PUSALI B/B	-	0	47	0.0	2.5	-2.5	
3	765 kV	GAYA-VARANASI	2	325	885	0.0	12.5	-12.5	
4	765 kV	SASARAM-FATEHPUR	1	72	514	0.0	8.2	-8.2	
5	765 kV	GAYA-BALIA	1	53	461	0.0	5.0	-5.0	
6	400 kV	PUSALI-VARANASI	1	0	148	0.0	2.5	-2.5	
7	400 kV	PUSALI-JALAHABAD	1	54	45	0.1	0.0	0.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	392	306	0.0	0.1	-0.1	
9	400 kV	PATNA-BALIA	2	28	487	0.0	11.6	-11.6	
10	400 kV	NAUBATPUR-BALIA	2	70	523	0.0	3.5	-3.5	
11	400 kV	BIHARSHARIEF-BALIA	2	329	110	1.1	0.0	1.1	
12	400 kV	MOTIHARI-GORAKHPUR	2	79	356	0.0	4.4	-4.4	
13	400 kV	BIHARSARIEF-SAHUPURI	2	0	0	0.0	3.6	-3.6	
14	220 kV	SAHUPURI-KARMANASA	1	0	56	0.0	0.5	-0.5	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
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-CHANDAULI	1	0	0	0.0	0.0	0.0	
						<b>ER-NR</b>	<b>1.8</b>	<b>54.3</b>	<b>-52.4</b>
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	757	306	6.7	0.0	6.7	
2	765 kV	NEW RANCH-DHARAMJAIGARH	2	94	1169	0.0	15.1	-15.1	
3	765 kV	JHARSUGUDA-DURG	2	0	741	0.0	14.8	-14.8	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	664	0.0	12.5	-12.5	
5	400 kV	RANCH-SIPAT	2	0	422	0.0	6.3	-6.3	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	93	0.0	1.2	-1.2	
7	220 kV	BUDHIPADAR-KORBA	2	104	48	0.5	0.0	0.5	
						<b>ER-WR</b>	<b>7.2</b>	<b>49.9</b>	<b>-42.7</b>
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	694	0.0	12.6	-12.6	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1813	0.0	43.4	-43.4	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2892	0.0	58.2	-58.2	
4	400 kV	TALCHER-I/C	2	0	142	0.0	11.5	-11.5	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						<b>ER-SR</b>	<b>0.0</b>	<b>114.1</b>	<b>-114.1</b>
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	240	69	1.8	0.1	1.7	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	393	19	3.6	0.0	3.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	85	0	1.0	0.0	1.0	
						<b>ER-NER</b>	<b>6.4</b>	<b>0.1</b>	<b>6.4</b>
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	661	0	16.1	0.0	16.1	
						<b>NER-NR</b>	<b>16.1</b>	<b>0.0</b>	<b>16.1</b>
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1979	0.0	31.8	-31.8	
2	HVDC	VINDHYACHAL B/B	-	0	55	0.0	1.3	-1.3	
3	HVDC	MUNDRAMOHINDERGARH	2	0	981	0.0	24.2	-24.2	
4	765 kV	GWALIOR-AGRA	2	1053	1226	11.0	3.4	7.6	
5	765 kV	GWALIOR-PHAGI	2	1172	1189	5.3	10.2	-4.9	
6	765 kV	JABALPUR-ORAI	2	538	660	0.0	2.2	-2.2	
7	765 kV	GWALIOR-ORAI	1	630	0	11.4	0.0	11.4	
8	765 kV	SATNA-ORAI	1	0	792	0.0	11.1	-11.1	
9	765 kV	BANASKANTHA-CHITTOORGARH	2	1271	0	18.5	0.0	18.5	
10	765 kV	VINDHYACHAL-VARANASI	2	785	919	0.0	2.4	-2.4	
11	400 kV	ZERDA-KANKROLI	1	399	0	4.3	0.0	4.3	
12	400 kV	ZERDA-BHIMAL	1	212	0	3.0	0.0	3.0	
13	400 kV	VINDHYACHAL-RIHAND	1	484	0	10.8	0.0	10.8	
14	400 kV	RAPP-SHUALPUR	2	807	146	9.0	0.2	8.8	
15	400 kV	NEEMUCH-Chittoorgarh	2	876	197	9.2	0.0	9.2	
16	220 kV	BHANPURA-RANPUR	1	0	165	0.0	2.8	-2.8	
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3	
18	220 kV	MEHGAON-AURAIYA	1	137	0	2.6	0.0	2.6	
19	220 kV	MALANPUR-AURAIYA	1	103	0	1.7	0.0	1.7	
20	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
21	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>86.7</b>	<b>91.9</b>	<b>-5.2</b>
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1011	0.0	23.9	-23.9	
2	HVDC	RAIGARH-PUGALUR	2	0	5513	0.0	94.3	-94.3	
3	765 kV	SOLAPUR-RAICHUR	2	806	1584	0.9	16.2	-15.4	
4	765 kV	WARDHA-NIZAMABAD	0	0	2679	0.0	46.7	-46.7	
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2820	0.0	49.2	-49.2	
6	400 kV	KOLHAPUR-KUDGI	2	1285	0	14.3	0.0	14.3	
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	XELDEM-AMBEWADI	1	0	126	2.4	0.0	2.4	
						<b>WR-SR</b>	<b>17.6</b>	<b>230.4</b>	<b>-212.8</b>

INTERNATIONAL EXCHANGES							Import(+ve)/Export(-ve)	
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)	175	-28	89	2.13		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-260	95	-112	-2.70		
		220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-248	-121	-184	-4.43		
	NER	132kV GELEPHU-SALAKATI	-18	0	-13	-0.32		
	NER	132kV MOTANGA-RANGIA	19	-2	12	0.28		
NEPAL	NR	NEPAL IMPORT (FROM UP)	-68	0	-43	-1.03		
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-68	0	-39	-0.94		
	ER	NEPAL IMPORT (FROM BIHAR)	-205	-65	-158	-3.79		
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-488	8	-256	-6.14		
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-944	-894	-933	-22.40		
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1374	-909	-1165	-27.97		
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-111	0	-67	-1.60		

## CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 04-Mar-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	0.38	6.94	0.00	0.00	0.00	0.00	0.00	7.32
Nepal	4.00	0.00	5.47	0.00	0.00	1.15	0.00	0.00	10.62
Bangladesh	23.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.33
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Export</b>	<b>27.33</b>	<b>0.38</b>	<b>12.41</b>	<b>0.00</b>	<b>0.00</b>	<b>1.15</b>	<b>0.00</b>	<b>0.00</b>	<b>41.27</b>

## Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86
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
<b>Total Import</b>	<b>1.86</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.86</b>

## 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	1.86	-0.38	-6.94	0.00	0.00	0.00	0.00	0.00	-5.46
Nepal	-4.00	0.00	-5.47	0.00	0.00	-1.15	0.00	0.00	-10.62
Bangladesh	-23.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.33
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Net</b>	<b>-25.47</b>	<b>-0.38</b>	<b>-12.41</b>	<b>0.00</b>	<b>0.00</b>	<b>-1.15</b>	<b>0.00</b>	<b>0.00</b>	<b>-39.41</b>

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 TRANSMISSIONAL EXCHANGE (MW) (+ve) Import, (-ve) Export
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)=(A-(C+D))	(J)=(B+C+D+E+F+G+H)	(K)
0:00	50.05	169729	6171	5392	86	9447	1979	149107	2695	164251	174877	-1803
0:15	49.95	171060	6184	5260	86	8899	1987	150523	2694	165714	175633	-1743
0:30	49.95	169895	6187	5242	85	8806	1981	149792	2687	164568	174780	-1805
0:45	50.00	169711	6179	5240	82	8770	1972	149378	2725	164389	174346	-1796
1:00	50.00	168783	6185	5155	79	8724	1988	149072	2647	163549	173850	-1796
1:15	50.00	168196	6196	4999	78	8735	1986	148342	2654	163119	172990	-1786
1:30	50.00	167503	6207	5036	79	8647	1979	147825	2671	162388	172444	-1760
1:45	50.00	166942	6178	5052	78	8173	1985	147842	2662	161812	171970	-1679
2:00	50.05	165324	6192	5287	82	7446	1968	146670	2651	159955	170296	-1700
2:15	50.00	164975	6196	5579	85	7209	1986	146378	2680	159311	170113	-1705
2:30	50.00	164442	6185	5686	87	7189	1790	145816	2742	158669	169495	-1714
2:45	50.00	164812	6171	5903	87	7360	1789	145730	2685	158822	169725	-1701
3:00	50.05	163861	6174	6096	86	7006	1784	145081	2673	157679	168900	-1706
3:15	50.00	164374	6173	6280	82	7133	1720	145244	2678	158012	169310	-1714
3:30	50.00	164312	6202	6164	84	6867	1713	145541	2714	158064	169285	-1715
3:45	50.00	165338	6200	6181	89	6982	1718	146530	2668	159068	170368	-1719
4:00	50.00	166499	6201	6101	88	6478	1730	147669	2674	160310	170941	-1730
4:15	49.90	168575	6186	6179	93	7219	1796	149035	2717	162303	173225	-1730
4:30	50.00	170075	6165	6191	98	7598	1786	150059	2691	163786	174588	-1543
4:45	50.00	171831	6185	6363	99	8149	1778	150781	2677	165369	176032	-1460
5:00	50.05	173150	6196	6488	97	8118	1789	151803	2739	166565	177230	-1375
5:15	49.90	175802	6193	6427	95	9134	1789	153760	2676	169280	180074	-1395
5:30	49.90	178403	6195	6438	93	9816	1786	155569	2719	171872	182616	-1371
5:45	49.74	180628	6192	6352	98	10572	1794	157227	2760	174178	184995	-1427
6:00	49.95	183975	6177	6170	145	12636	1622	158779	2740	177660	188269	-1410
6:15	49.95	186696	6196	5915	663	15354	1622	159263	2733	180118	191746	-1419
6:30	49.89	191827	6195	5720	660	19521	1621	160574	2739	185447	197030	-1384
6:45	49.89	195728	6209	5747	880	21664	1620	161478	2814	189101	200412	-1127
7:00	49.89	198172	6218	5727	1571	22655	1626	162055	2813	190874	202665	-1104
7:15	49.89	200673	6215	5588	3114	23123	1646	162380	2815	191937	204881	-1104
7:30	50.04	203024	6231	5436	5751	22755	1632	162240	2821	191837	206866	-1023
7:45	50.04	204616	6210	5571	9558	21479	1652	161098	2823	189487	208391	-1058
8:00	50.20	206932	6205	5283	14152	20329	1644	159763	2841	187497	210217	-1046
8:15	50.05	210653	6233	5053	19107	18807	1646	160375	2873	186493	214094	-1446
8:30	50.10	213112	6214	4817	24747	17257	1648	158927	2882	183548	216492	-1523
8:45	50.04	215521	6200	3928	30085	15554	1679	158530	2900	181508	218876	-1489
9:00	50.04	217072	6189	3485	35061	14367	1706	156551	2952	178526	220311	-1462
9:15	49.94	221333	6161	3250	39262	13848	1732	157651	3014	178821	224918	-1568
9:30	49.99	224219	6173	3057	43689	14384	1723	155449	2992	177473	227467	-1610
9:45	49.99	225606	6181	3113	47550	13139	1734	154304	2998	174943	229019	-1586
10:00	50.04	225907	6112	3205	50340	13126	1742	151604	2990	172362	229119	-1607
10:15	49.99	226363	6164	3344	53691	12875	1747	149096	2929	169328	229846	-1630
10:30	50.04	226800	6173	3497	55999	12557	1763	147594	2944	167304	230527	-1821
10:45	49.99	226077	6161	3630	58164	11418	1765	145888	2859	164283	229885	-2046
11:00	50.04	225157	6163	3605	59686	11398	1763	144007	2896	161866	229518	-2115
11:15	49.99	224622	6135	3626	60856	10926	1773	142439	2933	160140	228688	-2103
11:30	50.04	223774	6153	3615	61880	10465	1830	141228	2884	158279	228055	-2041
11:45	49.99	222882	6140	3690	62225	10076	1834	139733	2884	156967	226582	-2064
12:00	50.04	220579	6146	3850	62735	9829	1925	135373	2861	153994	222719	-2020
12:15	49.99	219220	6114	4037	62928	8872	1866	136282	2858	152255	222957	-1990
12:30	49.99	218377	6107	4111	63092	8582	1853	135424	2925	151174	222094	-2006
12:45	49.99	216568	6103	4318	62689	7711	1848	134642	2883	149561	220194	-1954
13:00	50.04	213658	6074	4616	62452	7517	1848	131868	2850	146590	217225	-1937
13:15	50.04	209777	6087	4849	62300	6967	1842	128391	2787	142628	213223	-1960
13:30	50.04	209058	6080	5085	61995	6844	1838	128019	2786	141978	212647	-1952
13:45	49.99	210010	6097	5222	61933	6688	1784	128799	2857	142855	213380	-1913
14:00	49.99	210244	6088	5535	60705	7118	1856	129794	2831	144004	213927	-1970
14:15	49.89	210933	6103	5667	59614	7197	1794	131292	2788	145652	214455	-1964
14:30	49.89	212114	6100	5914	57272	7823	1819	134034	2877	148928	215839	-2015
14:45	49.94	212803	6099	6165	55287	8201	1834	136091	2813	151351	216490	-1971
15:00	49.94	213381	6101	6411	53207	8556	1828	138113	2815	153763	217031	-1996
15:15	49.94	213267	6090	6603	50541	8960	1847	139990	2831	156123	216862	-1987
15:30	49.89	213938	6107	6824	47388	9931	1831	142980	2785	159726	217846	-2013
15:45	49.84	213898	6112	7200	43704	10847	1840	145111	2800	162994	217614	-1991
16:00	49.84	214098	6113	7279	39989	11573	1847	148181	2726	166830	217708	-1937
16:15	49.89	212801	6149	7367	35460	12026	1841	150723	2711	169974	216277	-1761
16:30	49.84	214128	6136	7523	31438	13122	1839	154912	2690	175167	217660	-1766
16:45	49.79	213845	6149	7589	26986	14158	1839	158105	2665	179270	217491	-1736
17:00	50.04	213288	6180	7916	22858	15897	1829	159288	2702	182514	216670	-1559
17:15	50.04	209331	6180	7926	18015	17061	1823	158588	2699	183390	212292	-1040
17:30	49.99	207392	6220	7995	13480	19424	1816	159343	2649	185917	210927	-1043
17:45	49.99	205995	6240	7939	10064	21196	1828	159184	2700	187992	209151	-999
18:00	50.09	203812	6263	7489	5494	22745	1846	160481	2717	190829	207035	-1066
18:15	50.04	201277	6295	7358	2880	23508	1879	159882	2723	191039	204525	-960
18:30	49.94	202942	6331	7059	1300	24230	1910	162645	2749	194583	206224	-941
18:45	49.84	203915	6336	7044	529	24284	1952	164124	2759	196342	207028	-926
19:00	49.79	204217	6303	7059	316	24147	1987	164251	2736	196842	206799	-928
19:15	49.89	203605	6331	7030	282	22894	2037	164860	2780	196293	206214	-922
19:30	49.89	202185	6334	6954	184	21597	2005	164863	2740	195047	204677	-906
19:45	49.99	201575	6311	7044	182	21316	1955	164694	2795	194349	204297	-901
20:00	50.04	198584	6300	7052	189	20037	1867	163363	2752	191343	201560	-933
20:15	50.04	196792	6300	7271	185	19007	1893	162587	2781	189336	200024	-1026
20:30	50.04	194338	6304	7392	184	17315	1918	162136	2789	186762	198038	-1028
20:45	50.04	192782	6296	7660	183	16151	1866	161532	2797	184939	196485	-996
21:00	50.04	190915	6300	7761	181	15229	1857	160811	2770	182973	194909	-995
21:15	50.04	189209	6270	7983	160	14665	1844	159428	2792	181066	193142	-1212
21:30	50.04	188112	6259	8166	145	14020	1824	159073	2742	179801	192229	-1305
21:45	49.99	186941	6228	8240	145	13472	1825	158724	2731	178556	191365	-1523
22:00	50.04	185603	6247	8339	146	12907	1836	157766	2813	177118	190054	-1645
22:15	49.89	187187	6232	8335	146	13169	1847	159169	2773	178706	191671	-1703
22:30	50.04	186773	6246	8349	146	12946	1851	158976	2737	178278	191251	-1756