



**TÜRKİYE DÖKÜM
SANAYİCİLERİ
DERNEĞİ**
THE TURKISH FOUNDRY
ASSOCIATION

MART AYI HAMMADDE FİYATLARI ENDEKSİ RAW MATERIALS INDEX – MARCH

08.04.2025



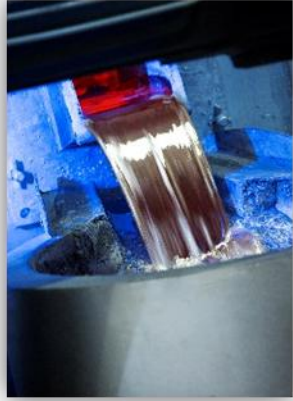
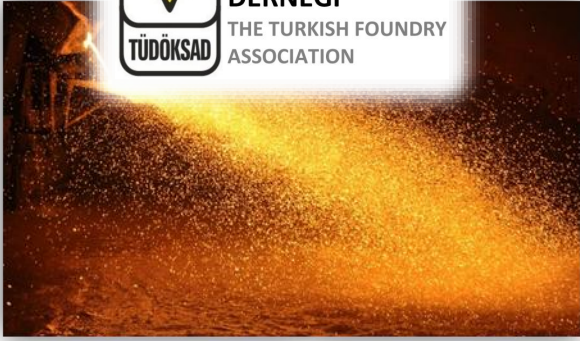
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The World
Foundry
Organization





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Önemli Açıklamalar

Important Information

Hammadde Fiyat Farkı

Dökümhaneler uzun süreli sözleşmeler ile yaptıkları üretimlerde, üretimin en önemli girdisi olan metalik hammaddelerin piyasalarda oluşan fiyat değişimleri karşısında üretimi devam ettirmek amacıyla çözümler üretmektedirler.

Faaliyetin devamı ve müşterilere sevkiyatları aksamaması amacıyla 2003 yılında Avrupa Dökümhaneleri Birliği öncülüğünde İspanya, İtalya ve Almanya ile beraber Tüm Avrupa ülkelerinde ana sanayi ve dökümhaneler arasında Hammadde Fiyat Farkı uygulaması başlatılmıştır.

Avrupalı ana sanayilere çalışan Dökümhaneler de müşterilerinden CAEF'in her ay yayınladığı Avrupa Metalik Malzeme Endeks'ine bağlı olarak Hammadde Fiyat Farkını dönemler halinde hesaplayarak talep etmektedirler.



Raw Material Extra Charge

Foundries for their longterm sales agreement try to find solutions to hedge against metallic raw materials price changes.

To secure the continuance of production and avoid delays in deliveries, in 2003 The European Foundry Association (CAEF) together with Spain, Italy and Germany, pioneered the implementation of Raw Material Extra Charge between primary industries and foundries within Europe.

Upon the implementation of Raw Material Extra Charge, the foundries supplying European primary industries claim the extra charges from their customers which is calculated on the basis of the CAEF Metallic Material Index published on a monthly basis.

Önemli Açıklamalar Important Information

Pik, Sfero ve Çelik Döküm Hammaddeleri

Pik, Sfero ve Çelik Döküm Üretiminde:

1000 Ton üretim için 1100 ila 1200 Ton arasında hurda, pik ve alaşım malzemelerinden oluşan temel metalik hammaddeler kullanılmaktadır.

Üretilecek malzemenin özelliklerine göre dökümhanelerde piyasadan temin edilen hurda ve pik demirine alaşım malzemeleri katkıları ile istenen metalurjik özellikler elde edilir.



Grey Cast Iron, Ductile Cast Iron and Steel Castings Raw Materials

In the production of grey cast iron, ductile cast iron and steel castings:

For an output of 1.000 tons of cast material, approximately 1.100 to 1.200 tons of metallic raw materials - scrap, pig and casting alloys are used.

Depending on the characteristics of the output, the foundries formulate the right mixture for the required metallurgical specifications by adding up casting alloys to the scrap and pig iron supplied from the market.

Önemli Açıklamalar

Important Information

*TÜDÖKSAD, metal döküm endüstrisi için hammaddeler (hurda ve pik demir grupları) hakkında aylık referans fiyat bilgisi yayınlamaktadır. Yayımlanan fiyatlar, üye kuruluşlardan toplanan alış ve satış fiyatlarına dayanmaktadır. TÜDÖKSAD fiyatları sadece döküm endüstrisi için ana hammaddelerin işlem fiyatındaki piyasa eğilimleri ile ilgili bilgi amaçlı yayınlanmaktadır.

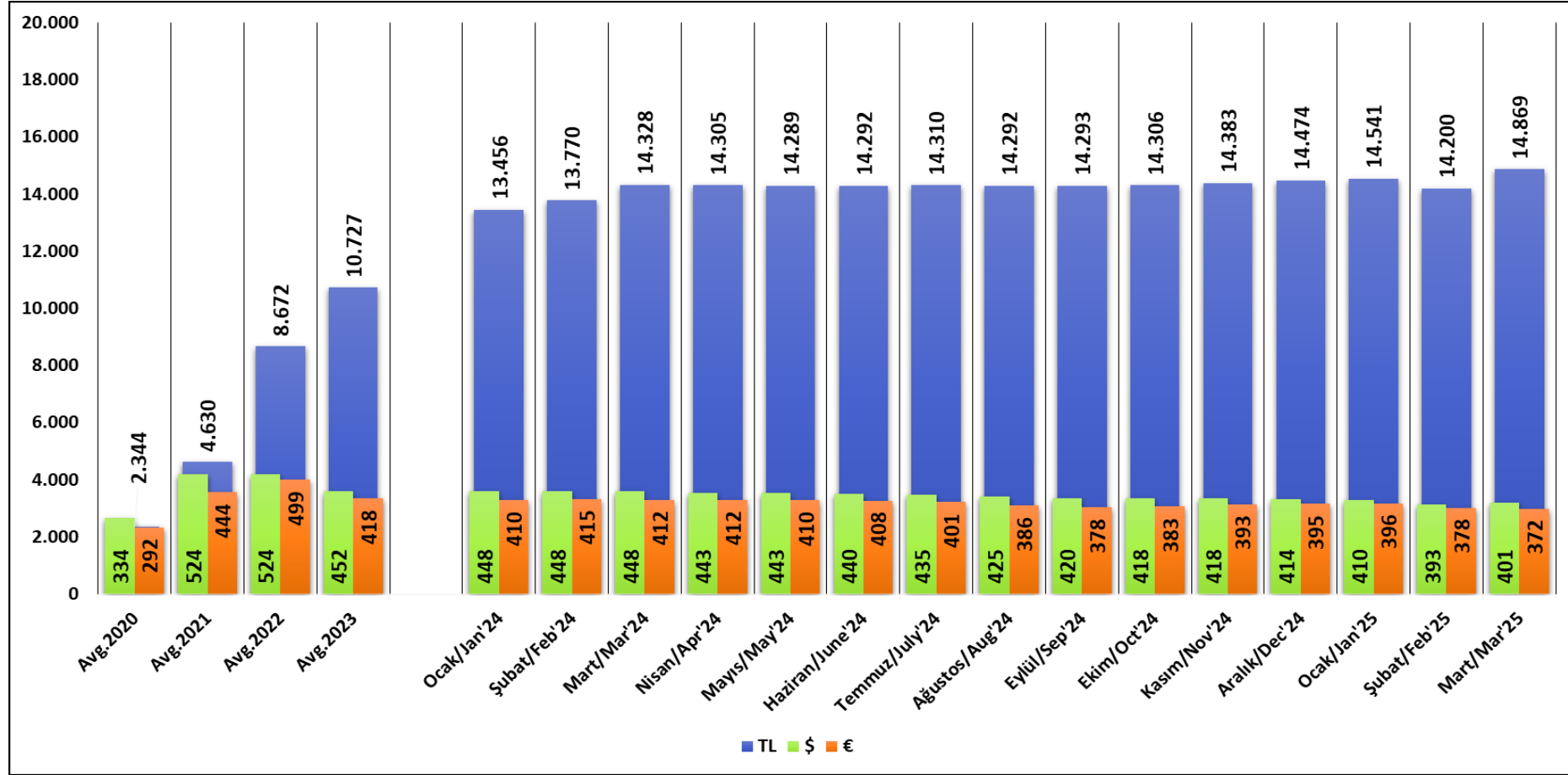
TÜDÖKSAD, fiyat endeksinin kaynağı, hazırlanması ve sergilenmesi konusunda çok dikkatli olmasına rağmen, bilgilerin doğru, eksiksiz veya güncel olduğuna dair açık veya zımni hiçbir sorumluluk kabul etmemektedir. TÜDÖKSAD Fiyat Endeksine eriştiğinizde, yukarıdaki şartları anlamış ve kabul etmiş sayılırsınız.



*TÜDÖKSAD publishes monthly reference price information on raw materials (scrap and pig iron groups) for the metal casting industry. The published prices are based on bid and ask prices collected from the member organizations. TÜDÖKSAD prices are published only for serving to inform about current market trends in the transaction prices of main raw materials for the foundry industry.

Although TÜDÖKSAD is very careful about the origin, preparation and display of the price index, it does not accept any express or implied responsibility for the accuracy, completeness or up-to-dateness of given information and disclaims any liability. When you access the TÜDÖKSAD Price Index, you are deemed to have understood and accepted the above mentioned terms.

DKP Hurda Fiyat Endeksi | New Steel Scrap Material Prices Ortalama (TL/Ton) Average

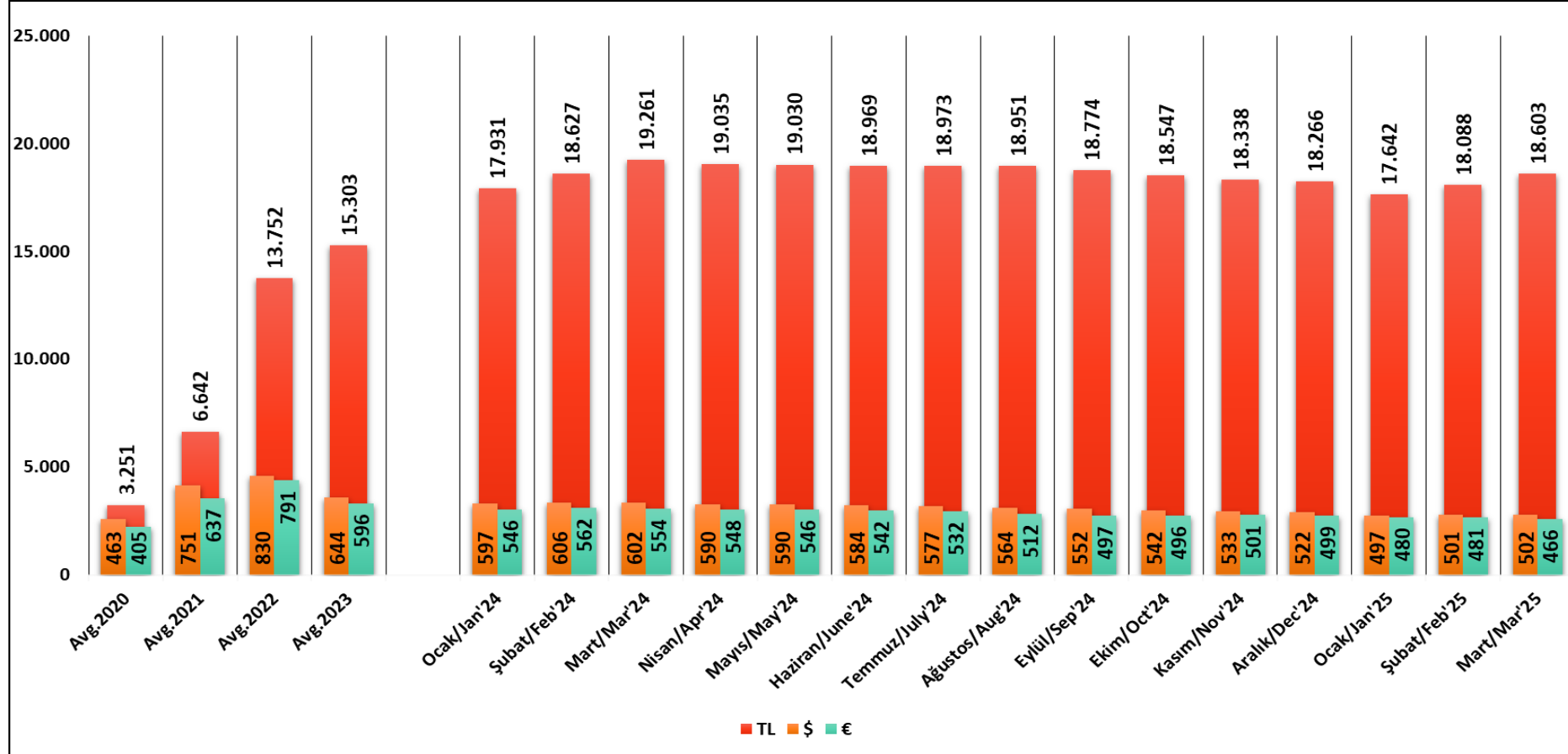


TCMB Avg.	2021	2022	2023	2024	Ocak Jan'25	Şubat Feb'25	Mart Mar'25
TL / \$	8,84	16,56	23,75	32,83	35,49	36,12	37,09
TL / €	10,43	17,38	25,69	35,53	36,75	37,61	39,96



Sfero Piki Fiyat Endeksi | Nodular Pig Iron Material Prices

Ortalama (TL/Ton) Average

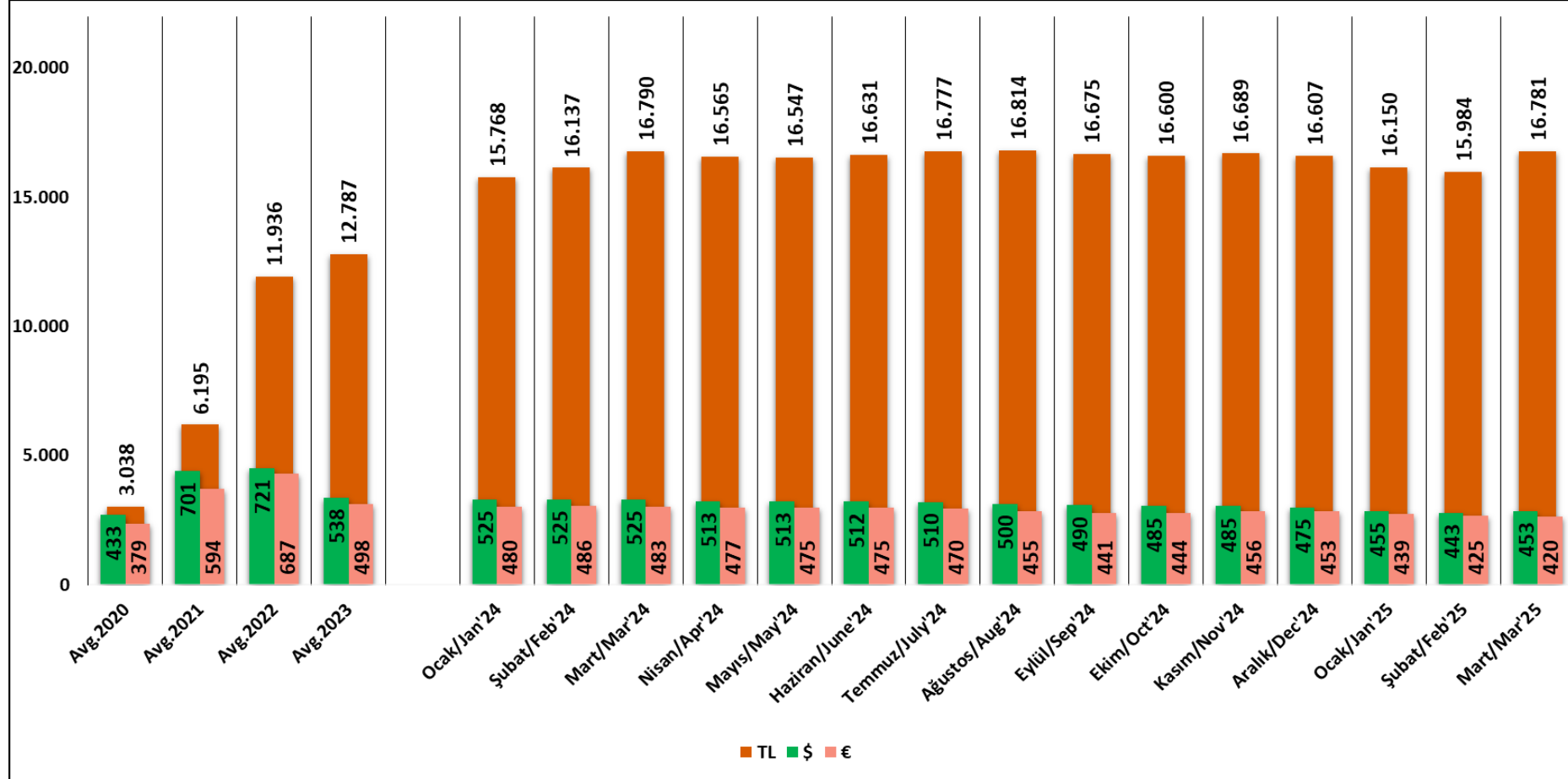


TCMB Avg.	2021	2022	2023	2024	Ocak Jan'25	Şubat Feb'25	Mart Mar'25
TL / \$	8,84	16,56	23,75	32,83	35,49	36,12	37,09
TL / €	10,43	17,38	25,69	35,53	36,75	37,61	39,96



TÜDÖKSAD Hammadde Endeksleri | TÜDÖKSAD Raw Material Indexes

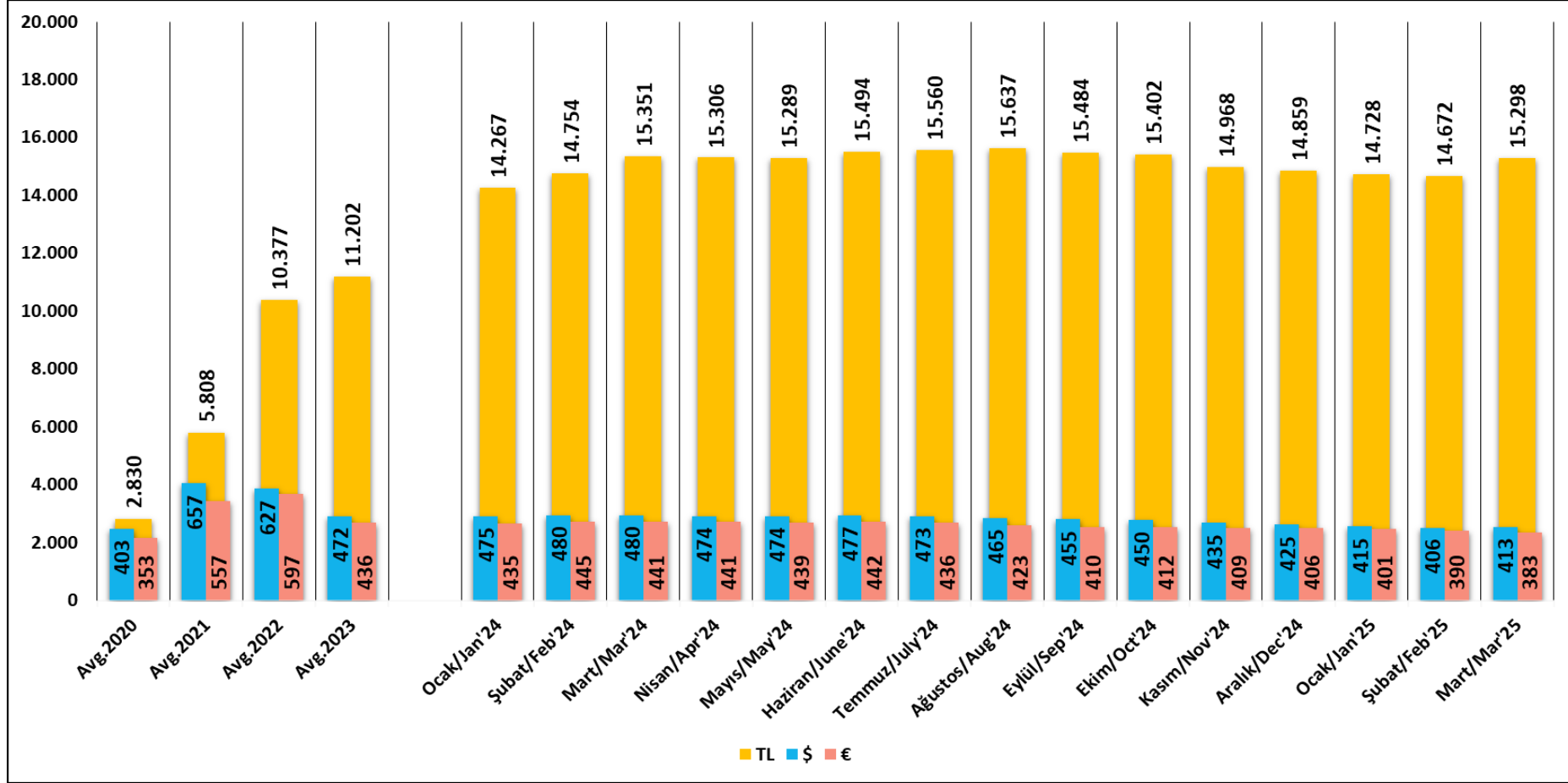
Hematit Piki Fiyat Endeksi | Hematite Pig Iron Material Prices Ortalama (TL/Ton) Average



TCMB Avg.	2021	2022	2023	2024	Ocak Jan'25	Şubat Feb'25	Mart Mar'25
TL / \$	8,84	16,56	23,75	32,83	35,49	36,12	37,09
TL / €	10,43	17,38	25,69	35,53	36,75	37,61	39,96



Çelik Piki Fiyat Endeksi / Basic Pig Iron Material Prices Ortalama (TL/Ton) Average



TCMB Avg.	2021	2022	2023	2024	Ocak Jan'25	Şubat Feb'25	Mart Mar'25
TL / \$	8,84	16,56	23,75	32,83	35,49	36,12	37,09
TL / €	10,43	17,38	25,69	35,53	36,75	37,61	39,96



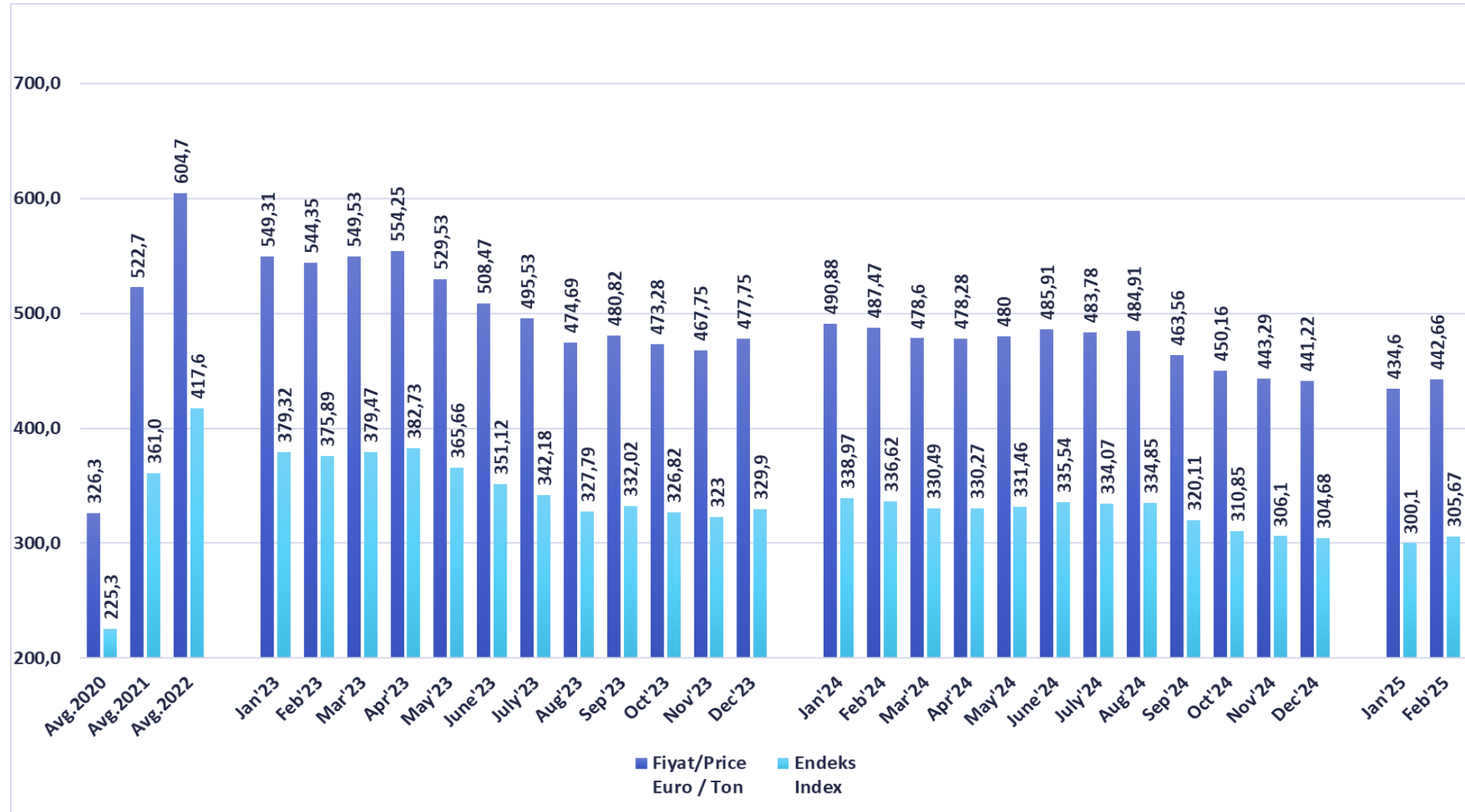
TÜDÖKSAD Hammadde Endeksleri | TÜDÖKSAD Raw Material Indexes

TCMB Avg. Exchange Rates	TL / \$	TL / €	Hurda/Scrap			Sfero Piki/Nodular Pig Iron			Hematit Piki/Hematite Pig Iron			Çelik Piki/Basic Pig Iron		
			Ortalama / Average			Ortalama / Average			Ortalama / Average			Ortalama / Average		
			TL	\$	€	TL	\$	€	TL	\$	€	TL	\$	€
Avg.2018	4,83	5,68	1.699	352	299	2.424	502	427	2.178	451	383	1.976	409	348
Avg.2019	5,68	6,36	1.918	338	302	2.836	499	446	2.583	455	406	2.342	412	368
Avg.2020	7,01	8,03	2.344	334	292	3.251	463	405	3.038	433	379	2.830	403	353
Avg.2021	8,84	10,43	4.630	524	444	6.642	751	637	6.195	701	594	5.808	657	557
Ocak/Jan'22	13,52	15,31	7.367	545	481	10.846	802	708	9.435	698	616	8.759	648	572
Şubat/Feb'22	13,68	15,50	8.206	600	529	12.386	906	799	11.352	830	732	10.682	781	689
Mart/Mar'22	14,60	16,10	10.702	733	665	16.253	1.113	1.010	14.750	1.010	916	13.357	915	830
Nisan/Apr'22	14,71	15,98	10.853	738	679	14.875	1.012	931	13.603	925	851	12.720	865	796
Mayıs/May'22	15,55	16,42	9.561	615	582	14.251	917	868	12.904	830	786	11.505	740	700
Haziran/June'22	17,02	18,02	8.035	472	446	13.695	805	760	12.086	710	671	10.384	610	576
Temmuz/July'22	17,40	17,77	7.850	451	442	14.073	809	792	11.574	665	651	9.921	570	558
Ağustos/Aug'22	18,03	18,29	8.295	460	453	13.776	764	753	11.812	655	646	9.738	540	532
Eylül/Sept'22	18,30	18,18	8.329	455	458	13.930	761	766	11.624	635	640	9.610	525	529
Ekim/Oct'22	18,60	18,28	8.275	445	453	13.823	743	756	11.529	620	631	9.484	510	519
Kasım/Nov'22	18,63	18,93	8.009	430	423	13.525	726	714	11.268	605	595	9.126	490	482
Aralık/Dec'22	18,67	19,73	8.588	460	435	13.584	728	688	11.295	605	572	9.242	495	468

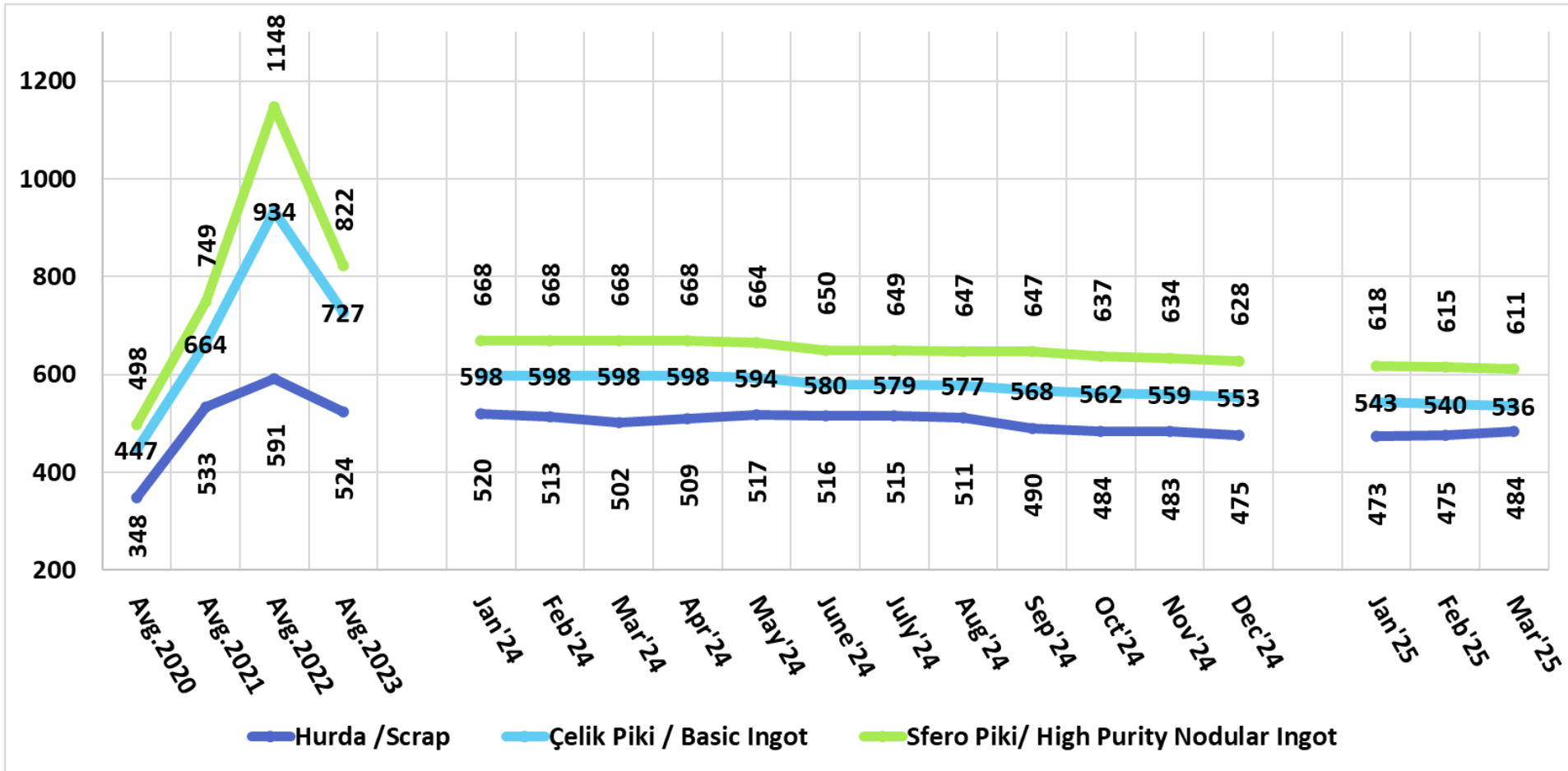
TÜDÖKSAD Hammadde Endeksleri | TÜDÖKSAD Raw Material Indexes

TCMB Avg. Exchange Rates	TL / \$	TL / €	Hurda/Scrap			Sfero Piki/Nodular Pig Iron			Hematit Piki/Hematite Pig Iron			Çelik Piki/Basic Pig Iron		
			Ortalama / Average			Ortalama / Average			Ortalama / Average			Ortalama / Average		
			TL	\$	€	TL	\$	€	TL	\$	€	TL	\$	€
Ocak/Jan'23	18,79	20,23	8.832	470	437	13.704	729	677	11.369	605	562	9.490	505	469
Şubat/Feb'23	18,86	20,25	8.957	475	442	13.766	730	680	11.408	605	563	9.560	507	472
Mart/Mar'23	19,00	20,31	9.309	490	458	13.517	712	666	11.399	600	561	9.499	500	468
Nisan/Apr'23	19,34	21,19	9.475	490	447	13.643	706	644	11.119	575	525	9.340	483	441
Mayıs/May'23	19,71	21,46	9.400	477	438	13.424	681	626	10.799	548	503	9.144	464	426
Haziran/June'23	23,32	25,24	10.378	445	411	14.972	642	593	12.407	532	491	10.611	455	420
Temmuz/July'23	26,45	29,24	11.453	433	392	16.545	626	566	13.490	510	461	12.167	460	416
Ağustos/Aug'23	27,01	29,48	11.882	440	403	16.244	602	551	13.773	510	467	12.422	460	421
Eylül/Sep'23	26,98	28,88	11.832	439	410	16.322	605	565	13.759	510	476	12.410	460	430
Ekim/Oct'23	27,84	29,40	11.832	425	403	16.499	593	561	14.198	510	483	12.806	460	436
Kasım/Nov'23	28,63	30,88	12.396	433	401	17.363	607	562	14.744	515	477	13.312	465	431
Aralık/Dec'23	29,08	31,75	12.940	445	408	17.636	607	556	14.975	515	472	13.667	470	430
Ocak/Jan'24	30,03	32,82	13.456	448	410	17.931	597	546	15.768	525	480	14.267	475	435
Şubat/Feb'24	30,74	33,17	13.770	448	415	18.627	606	562	16.137	525	486	14.754	480	445
Mart/Mar'24	31,98	34,78	14.328	448	412	19.261	602	554	16.790	525	483	15.351	480	441
Nisan/Apr'24	32,29	34,71	14.305	443	412	19.035	590	548	16.565	513	477	15.306	474	441
Mayıs/May'24	32,26	34,83	14.289	443	410	19.030	590	546	16.547	513	475	15.289	474	439
Haziran/June'24	32,48	35,02	14.292	440	408	18.969	584	542	16.631	512	475	15.494	477	442
Temmuz/July'24	32,90	35,66	14.310	435	401	18.973	577	532	16.777	510	470	15.560	473	436
Ağustos/Aug'24	33,63	36,99	14.292	425	386	18.951	564	512	16.814	500	455	15.637	465	423
Eylül/Sep'24	34,03	37,79	14.293	420	378	18.774	552	497	16.675	490	441	15.484	455	410
Ekim/Oct'24	34,23	37,37	14.306	418	383	18.547	542	496	16.600	485	444	15.402	450	412
Kasım/Nov'24	34,41	36,63	14.383	418	393	18.338	533	501	16.689	485	456	14.968	435	409
Aralık/Dec'24	34,96	36,63	14.474	414	395	18.266	522	499	16.607	475	453	14.859	425	406
Ocak/Jan'25	35,49	36,75	14.541	410	396	17.642	497	480	16.150	455	439	14.728	415	401
Şubat/Feb'25	36,12	37,61	14.200	393	378	18.088	501	481	15.984	443	425	14.672	406	390
Mart/Mar'25	37,09	39,96	14.869	401	372	18.603	502	466	16.781	453	420	15.298	413	383

CAEF Hammadde Endeksi | Caef Metallic Material Index (€/Ton)

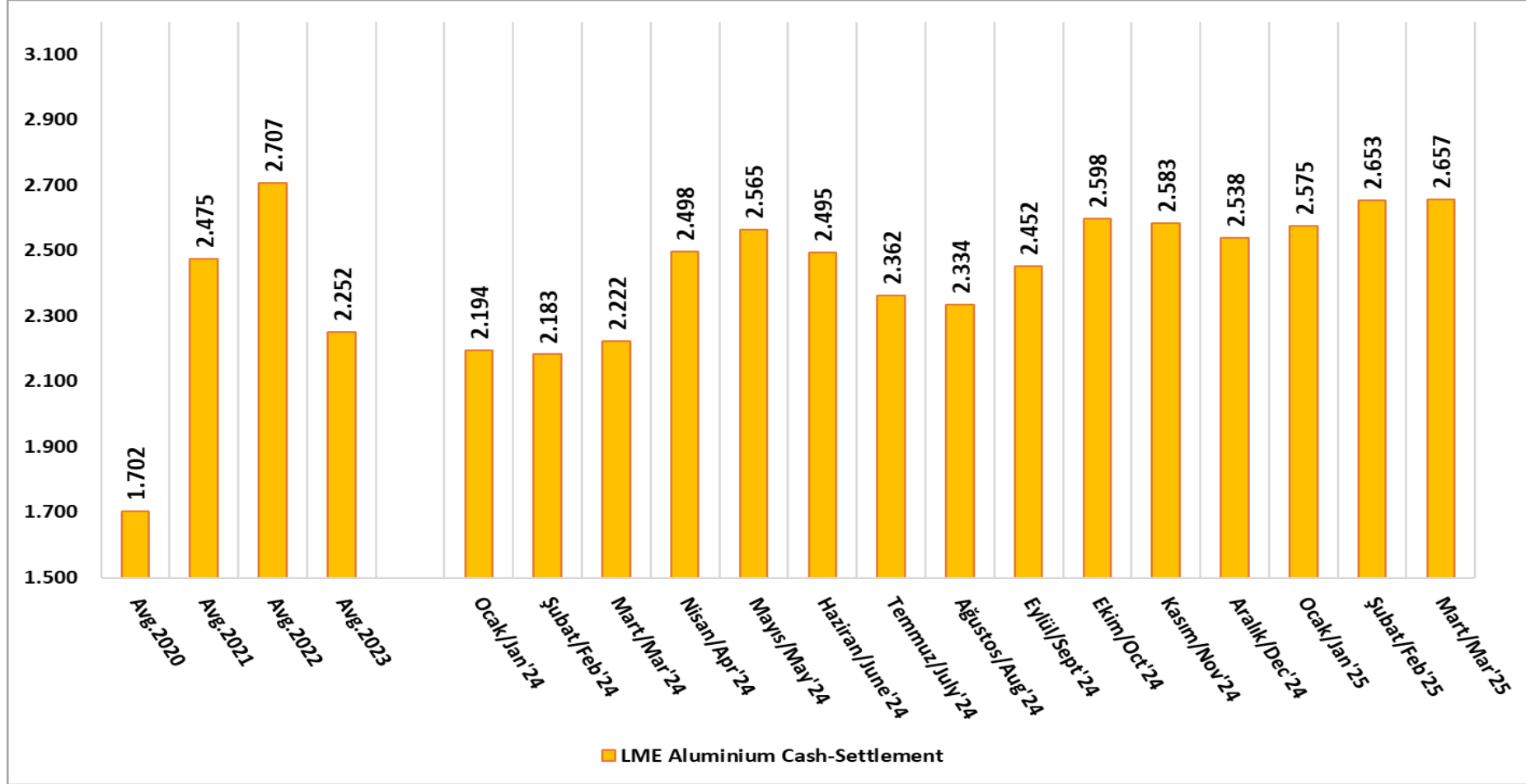


FEAF Hammadde Fiyatları | FEAF Raw Material Prices (€/Ton)



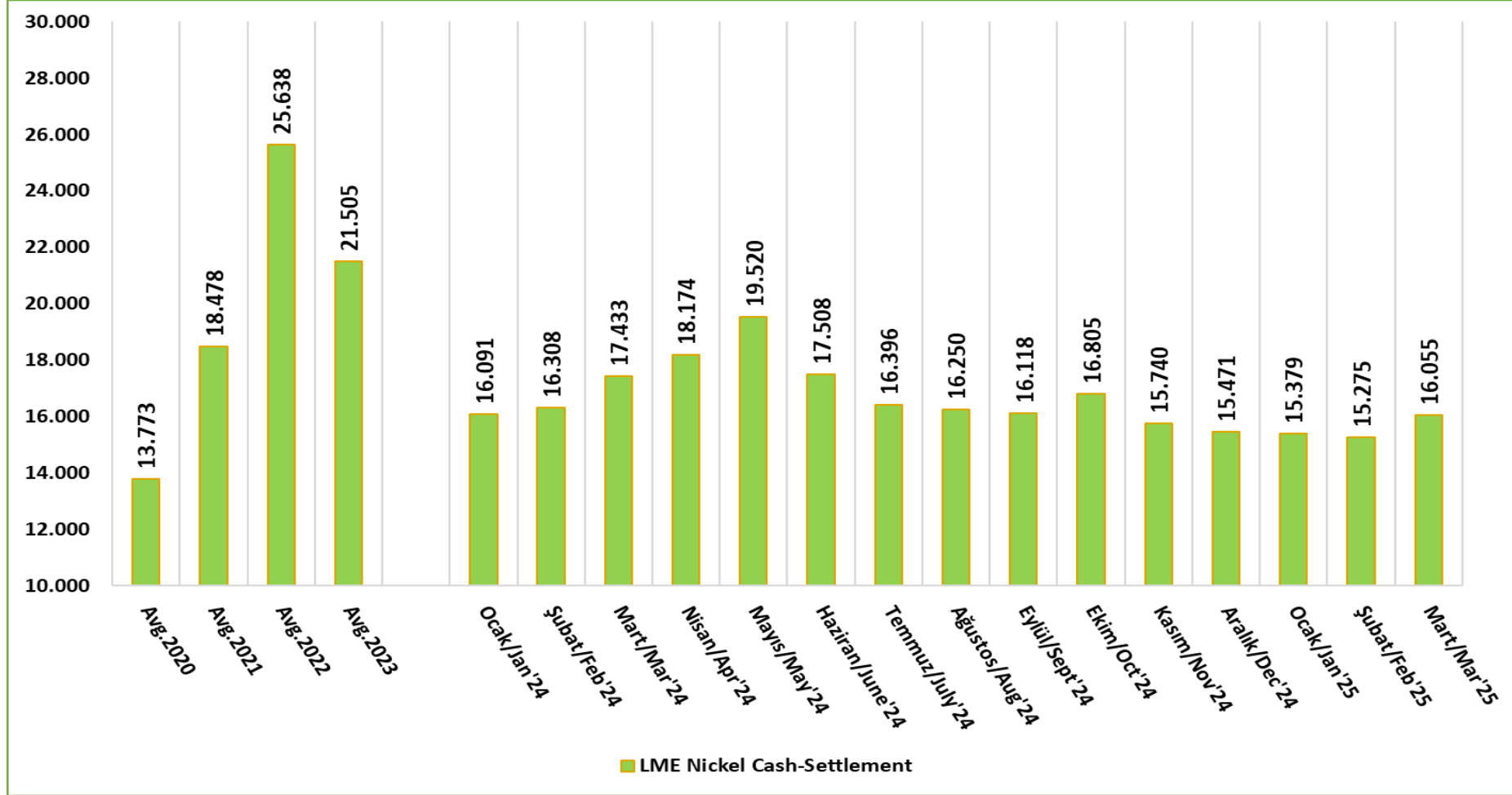
LME Alüminyum / LME Aluminium

LME Alüminyum Aylık Ortalama | LME Aluminium Cash-Settlement (USD/ton)



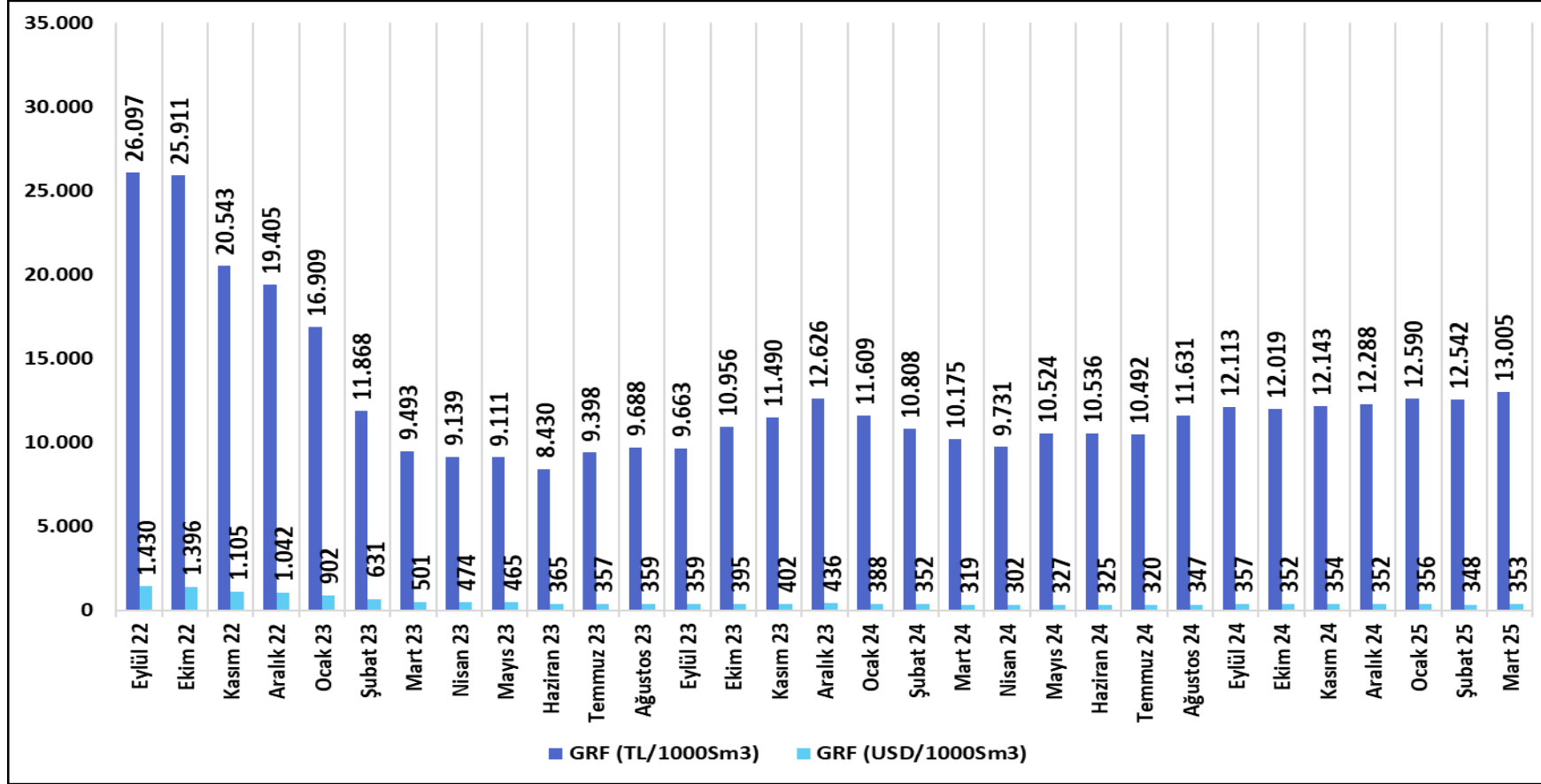
LME Nikel / LME Nickel

LME Nikel Aylık Ortalama | LME Nickel Cash-Settlement (USD/ton)



EPIAŞ Doğal Gaz Fiyatları / EPIAŞ Natural Gas References

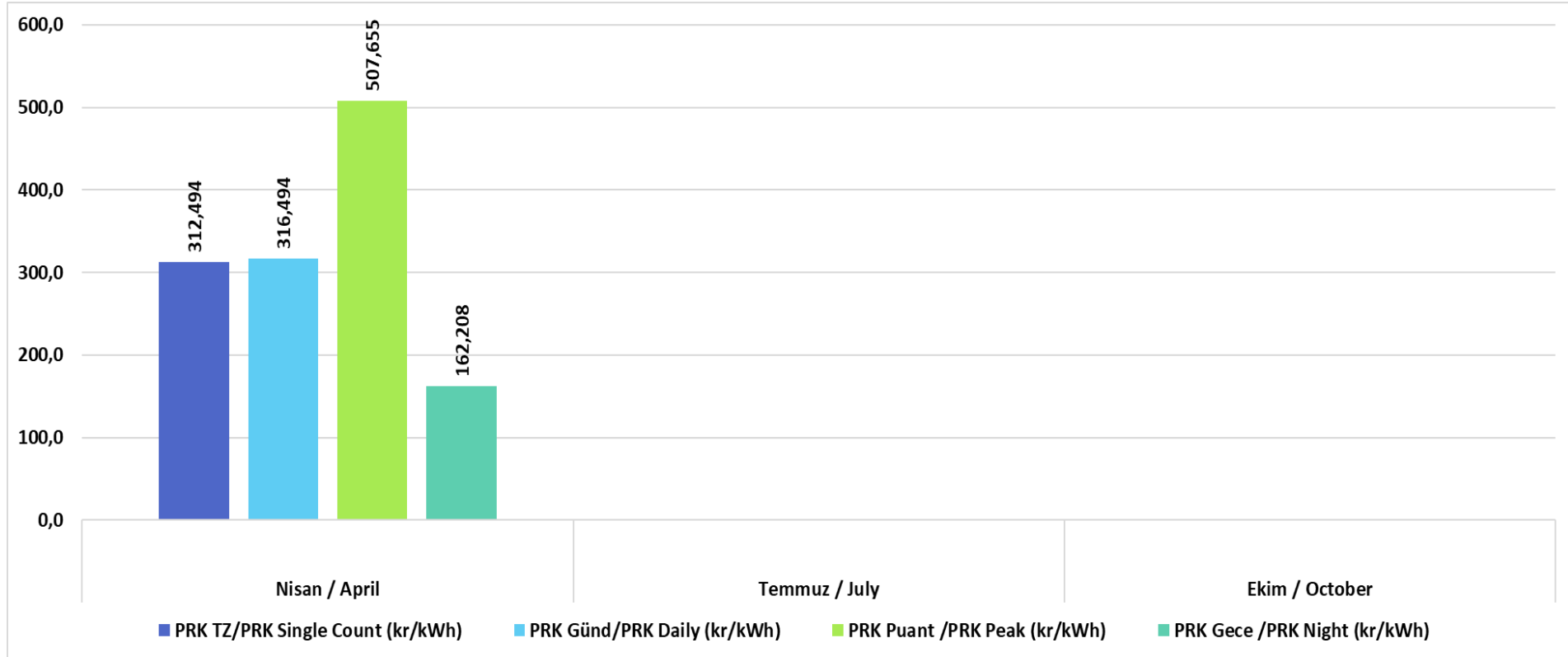
Doğal Gaz Spot Piyasa Günlük Referans Fiyatı (GRF) Natural Gas Spot Markets Daily Reference Price (DRP)



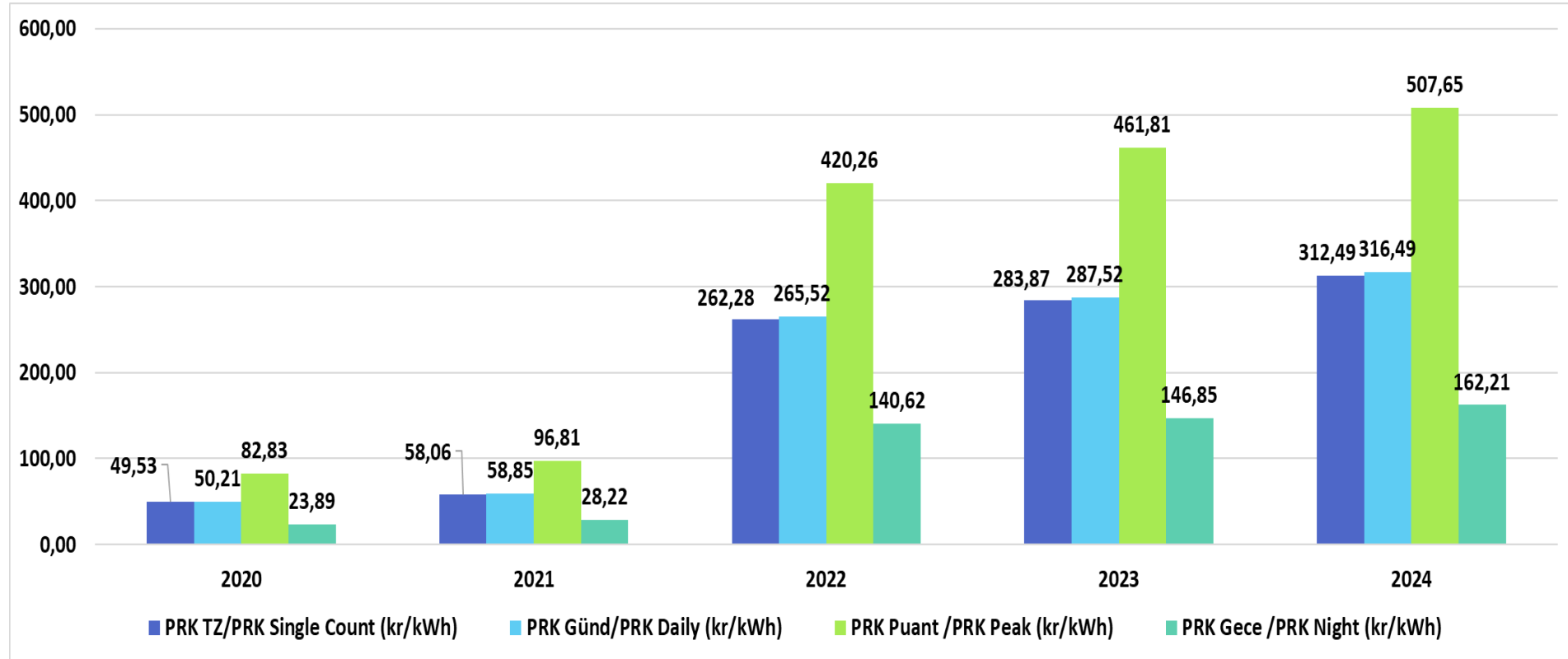
1Sm³ = 10,64 kWh



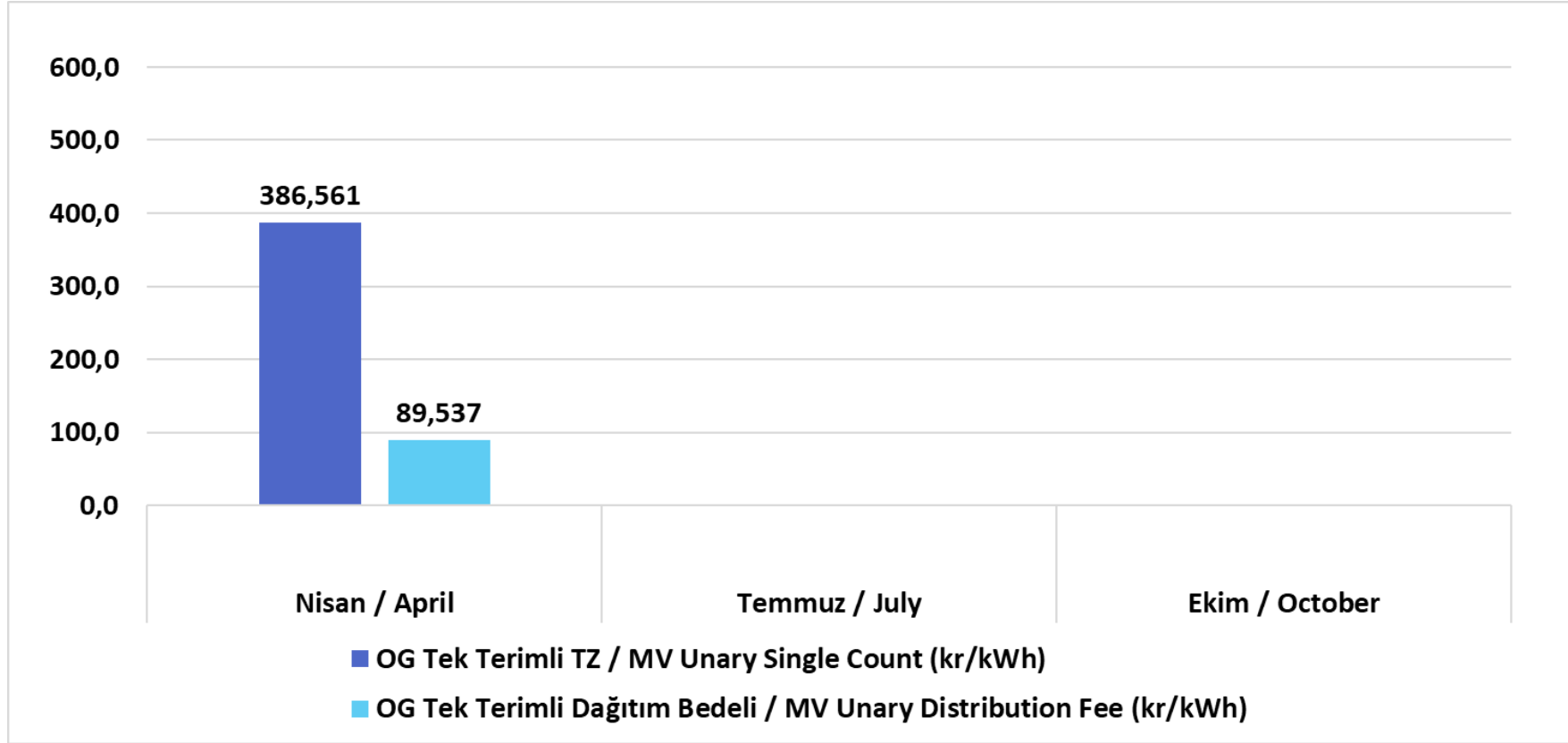
EPDK Dönemlik Fiyat Endeksi ve Oranlar 2025 EPDK Periodic Electricity Index and Ratios İletim Sistemi Kullanıcıları - Transmission System Users



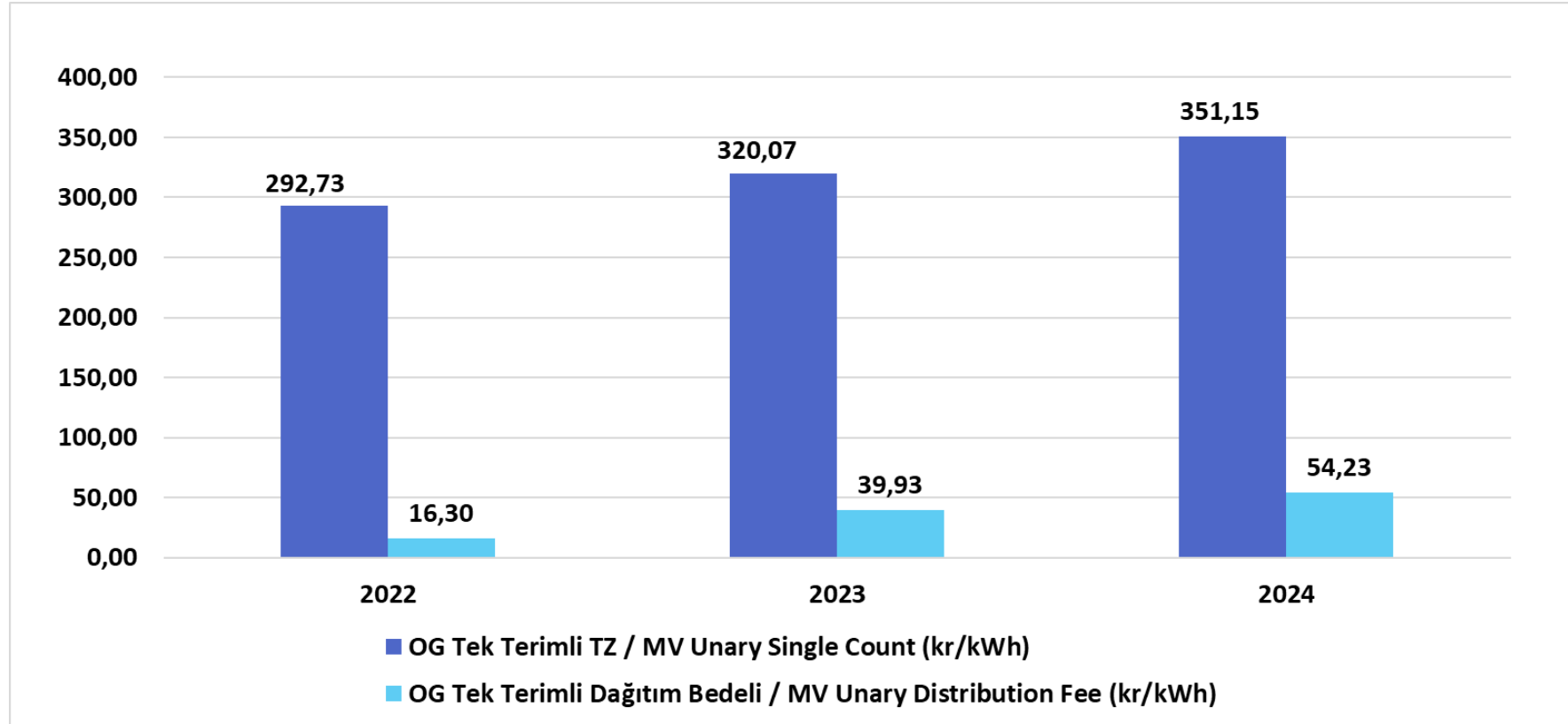
EPDK Dönemlik Fiyat Endeksi ve Oranlar EPDK Periodic Electricity Index and Ratios İletim Sistemi Kullanıcıları - Transmission System Users



EPDK Dönemlik Fiyat Endeksi ve Oranlar 2025 EPDK Periodic Electricity Index and Ratios Dağıtım Sistemi Kullanıcıları - Distribution System Users

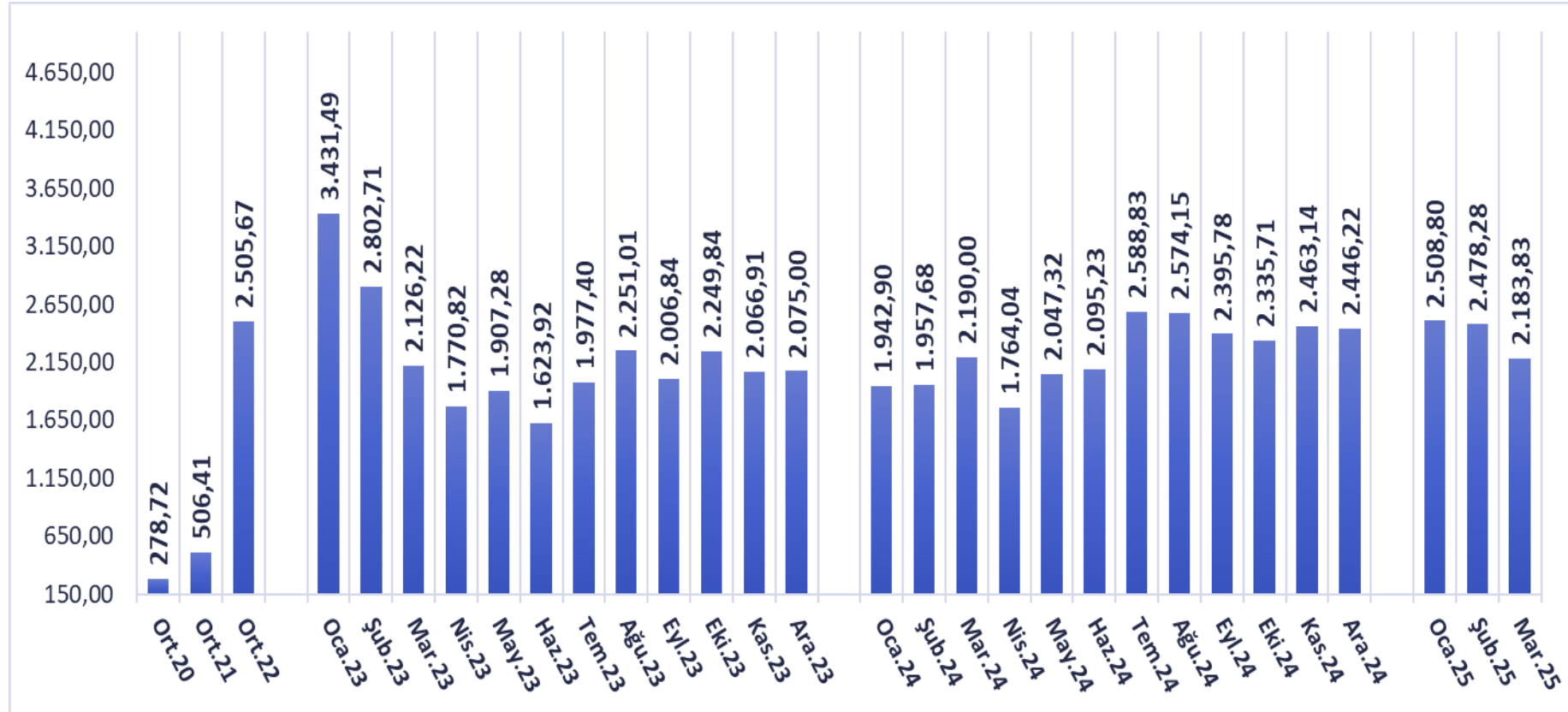


EPDK Dönemlik Fiyat Endeksi ve Oranlar EPDK Periodic Electricity Index and Ratios Dağıtım Sistemi Kullanıcıları - Distribution System Users



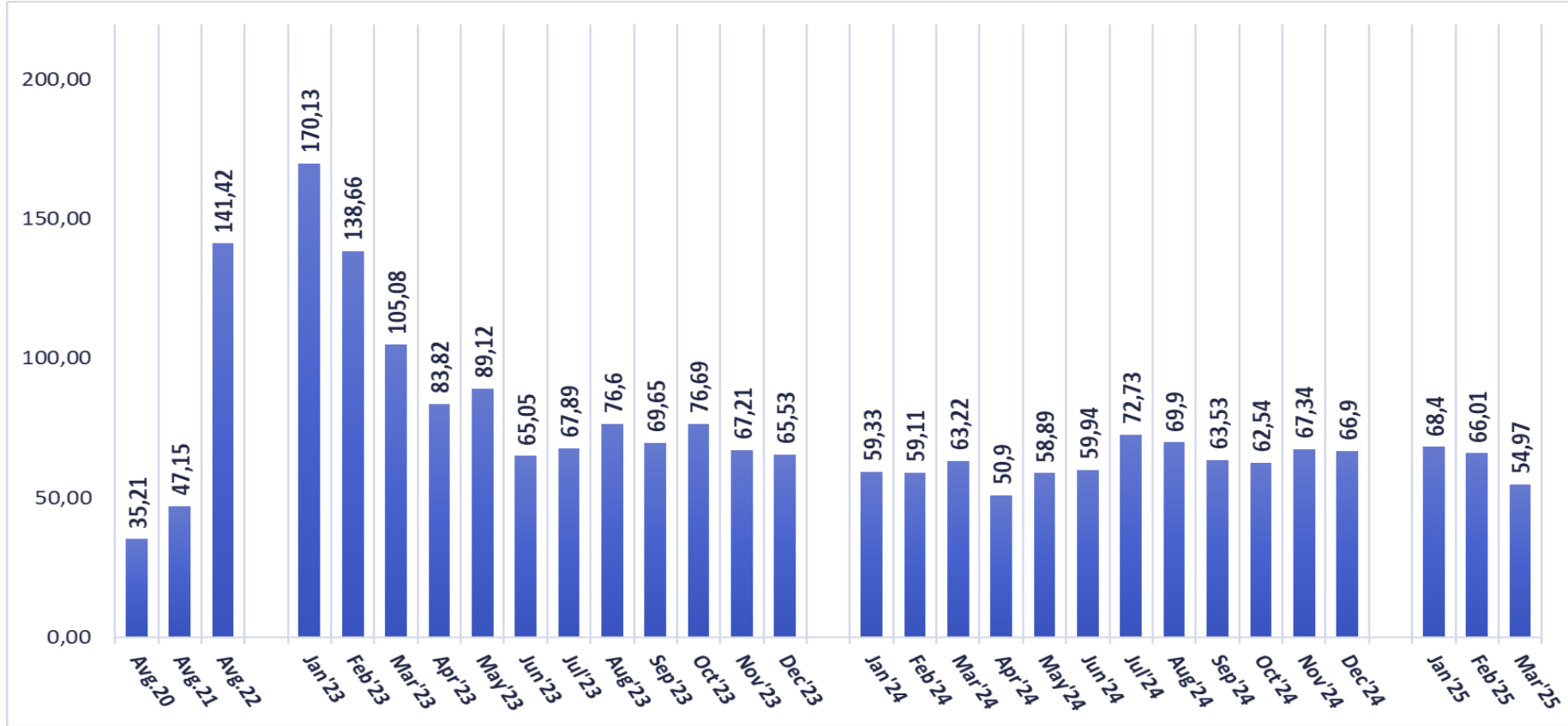
EPIAŞ PTF & YEKDEM Ortalamaları / EPIAŞ Periodic Weighted Energy Averages

EPIAŞ Kesinleşmiş Aylık Ağırlıklı Ortalama Piyasa Takas Fiyatı (TL/MWh) EPIAŞ Monthly Weighted Average Market Clearing Prices



EPIAŞ PTF & YEKDEM Ortalamaları / EPIAŞ Periodic Weighted Energy Averages

EPIAŞ Kesinleşmiş Aylık Ağırlıklı Ortalama Piyasa Takas Fiyatı (€/MWh) EPIAŞ Monthly Weighted Average Market Clearing Prices

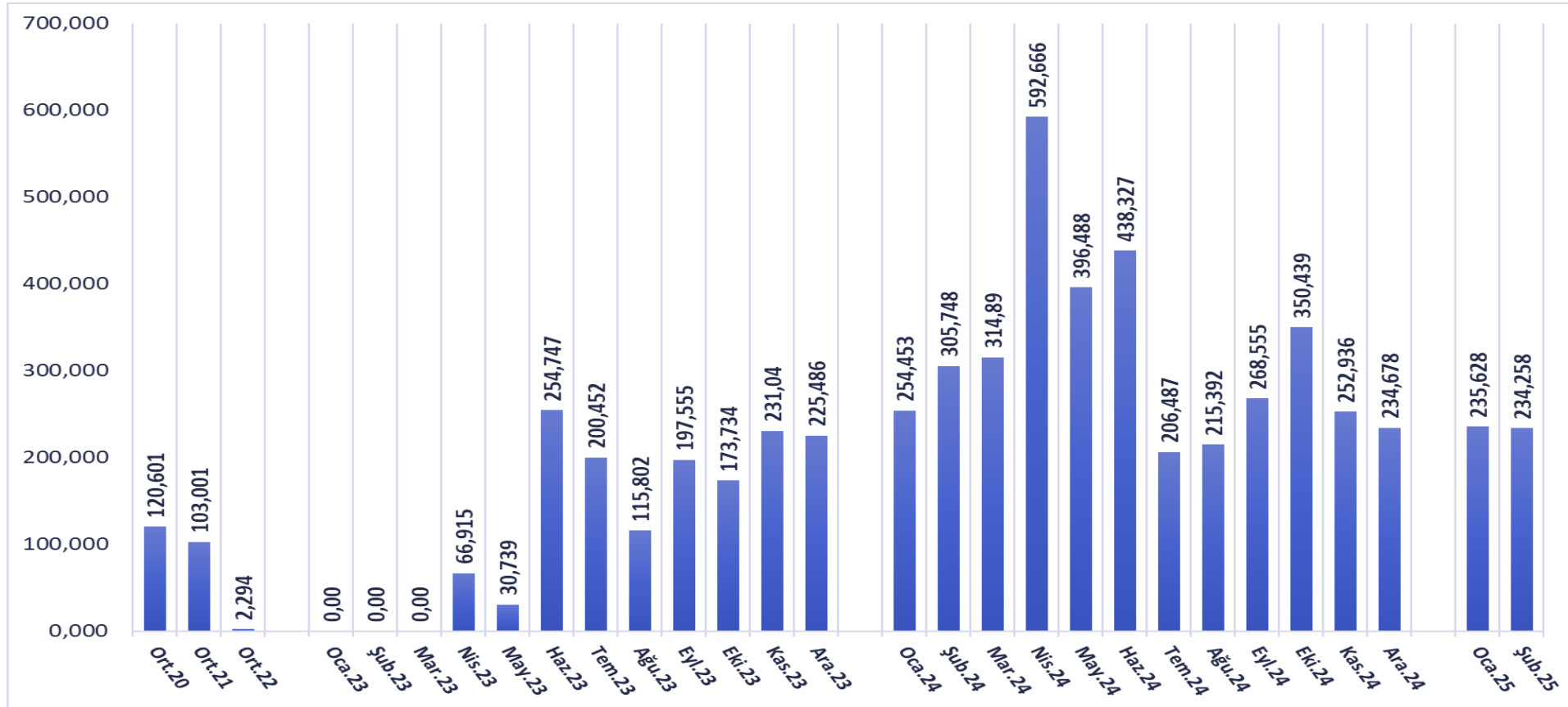


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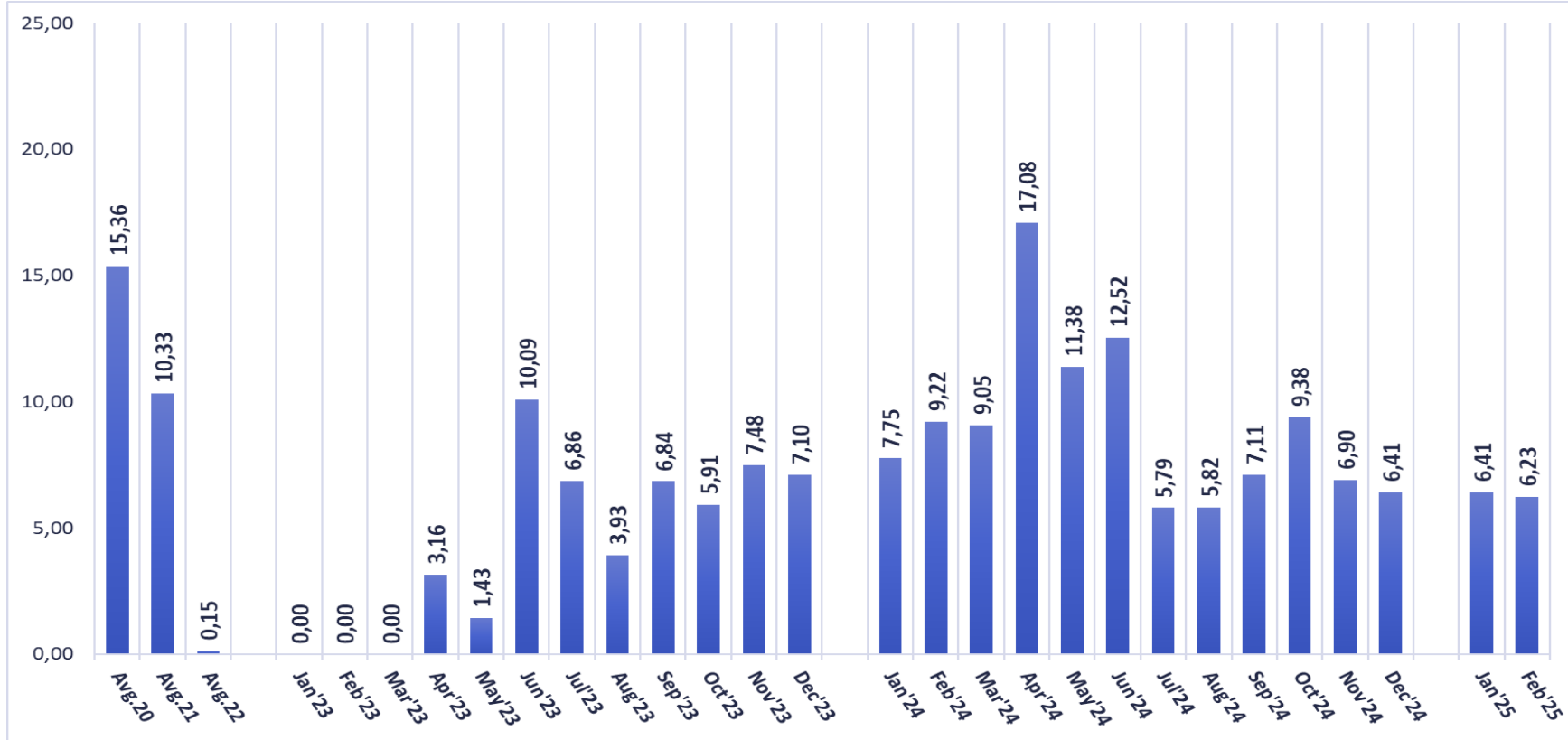
EPIAŞ PTF & YEKDEM Ortalamaları / EPIAŞ Periodic Weighted Energy Averages

EPIAŞ Serbest Tüketiciler İçin YEKDEM Birim Fiyat (TL/MWh) EPIAŞ Renewables Support Mechanism Unit Price for Free Consumers (TL/MWh)



EPIAŞ PTF & YEKDEM Ortalamaları / EPIAŞ Periodic Weighted Energy Averages

EPIAŞ Serbest Tüketiciler İçin YEKDEM Birim Fiyat (€/MWh) EPIAŞ Renewables Support Mechanism Unit Price for Free Consumers (€/MWh)

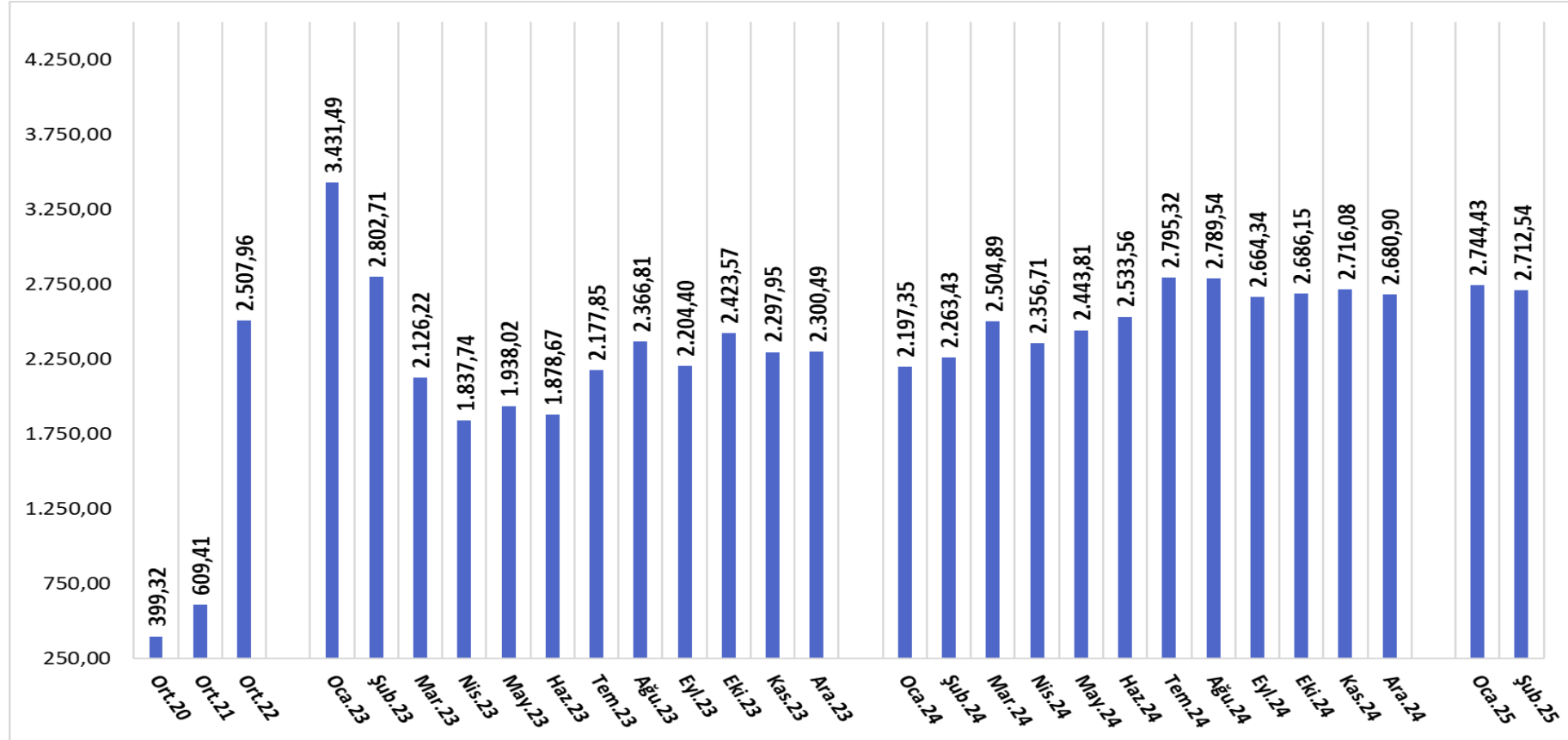


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EPIAŞ PTF & YEKDEM Ortalamaları / EPIAŞ Periodic Weighted Energy Averages

EPIAŞ Kesinleşmiş Ortalama PTF & Gerçekleşen YEKDEM Toplamı (TL/MWh) EPIAŞ Realized Average Market Clearing Price + RE Support



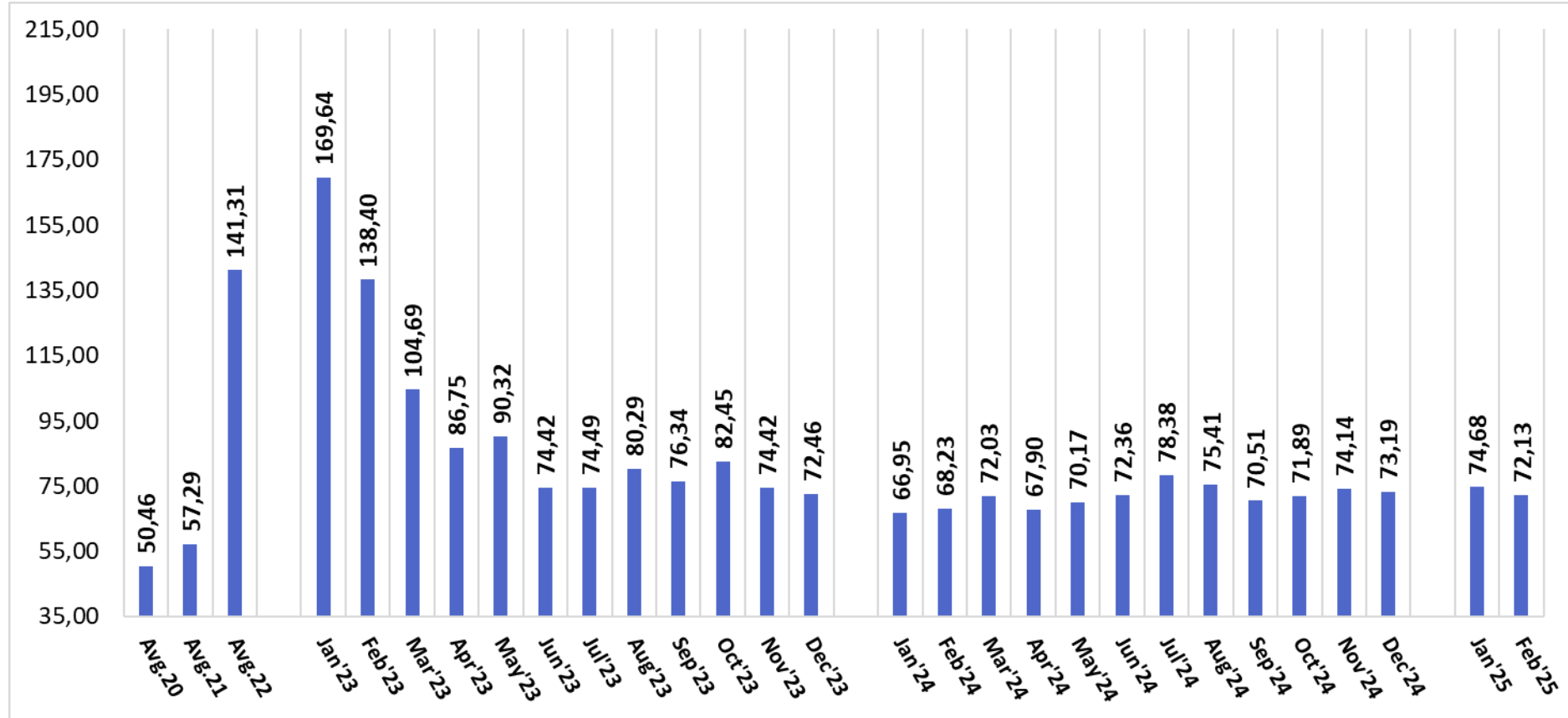
Serbest
Tüketiciler

Free
Consumers



EPIAŞ PTF & YEKDEM Ortalamaları / EPIAŞ Periodic Weighted Energy Averages

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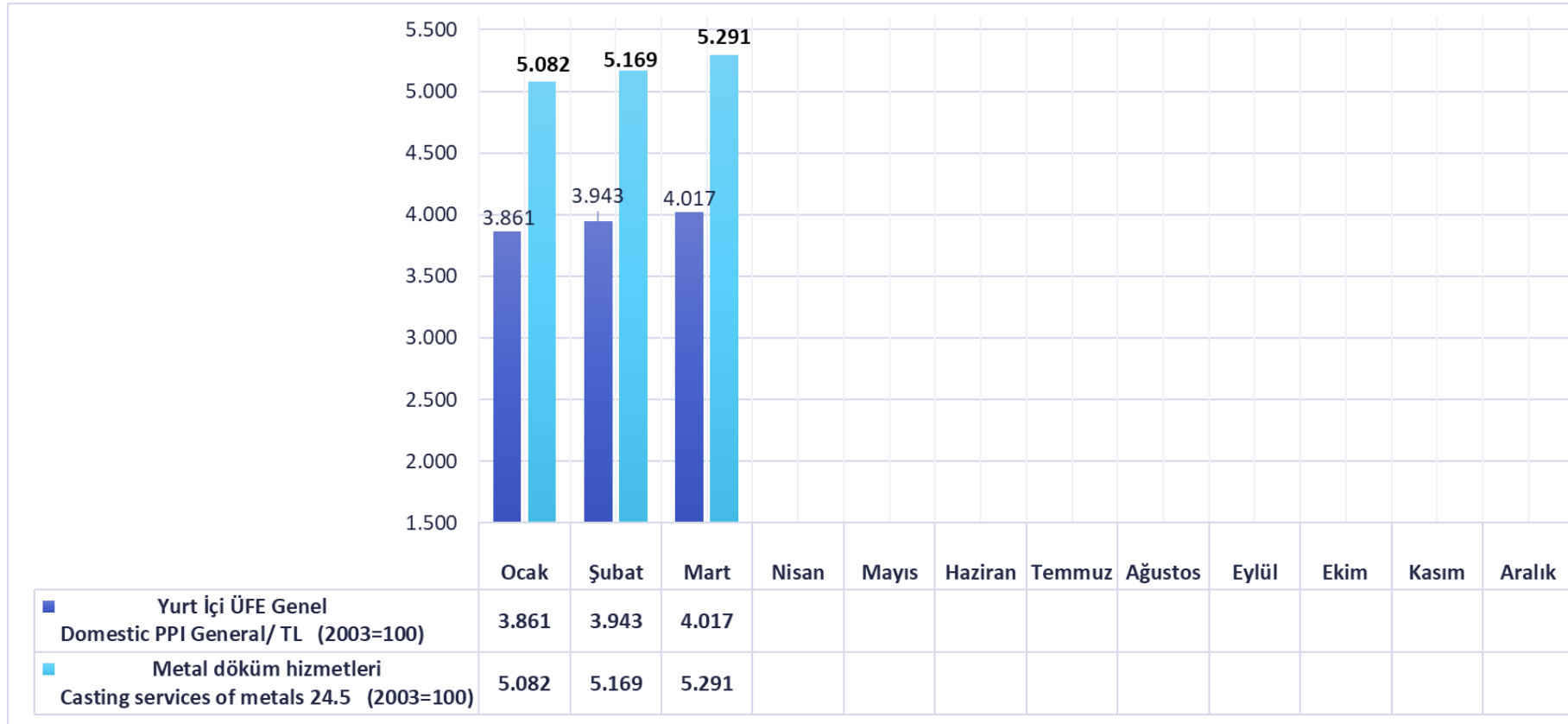


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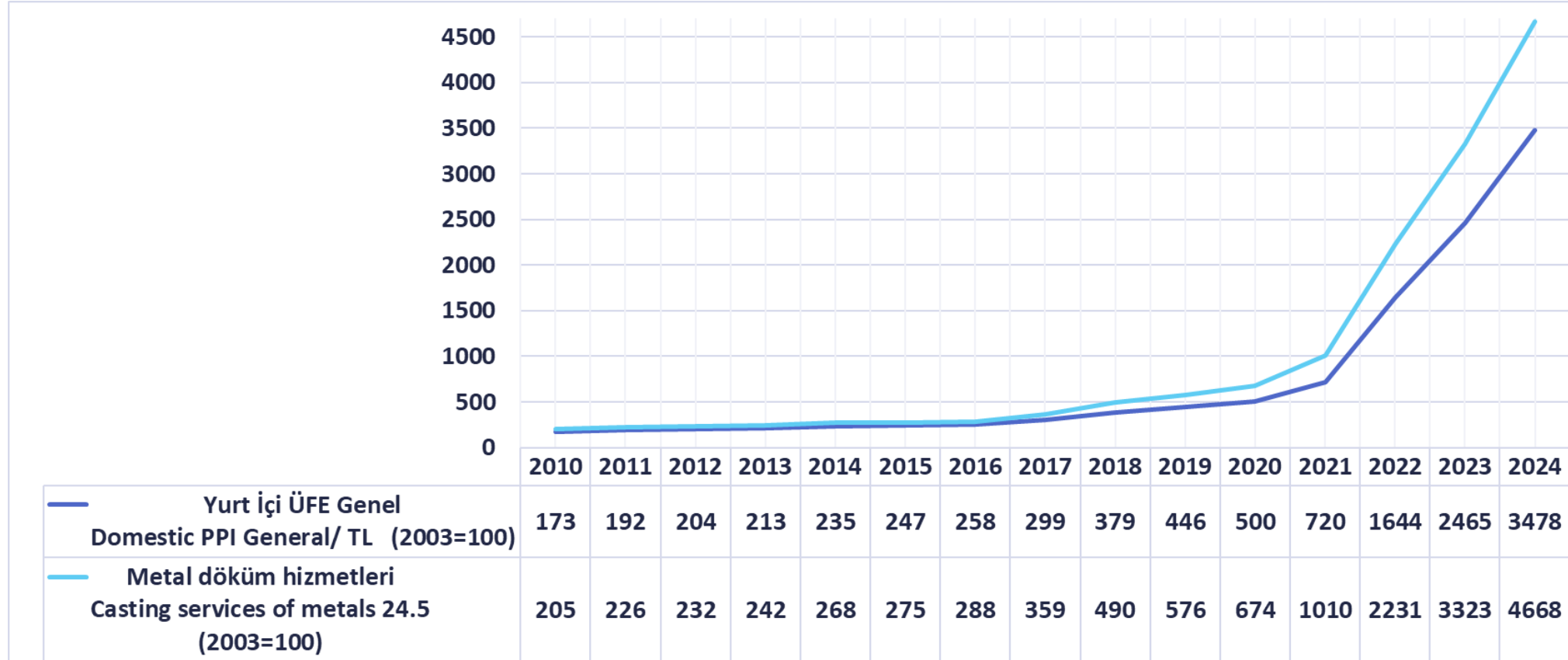
TÜİK Yurt İçi Üretici Fiyat Endeksleri | TURKSTAT Domestic Producer Price Indexes

TÜİK Aylık Yurt İçi Üretici Fiyat Endeksi TURKSTAT Monthly Domestic Producer Price Index (2003 =100)



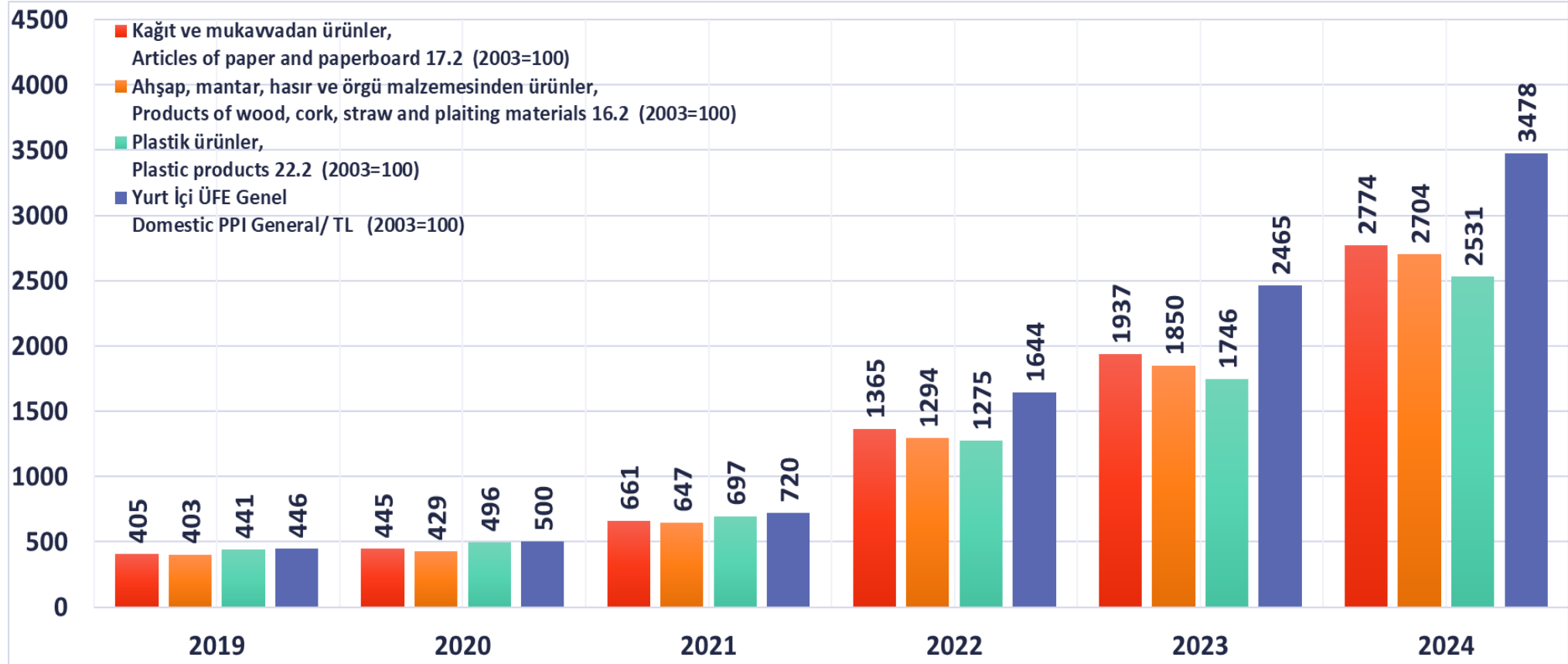
TÜİK Yurt İçi Üretici Fiyat Endeksleri | TURKSTAT Domestic Producer Price Indexes

TÜİK Yıllık Yurt İçi Üretici Fiyat Endeksi TURKSTAT Yearly Domestic Producer Price Index (2003 =100)

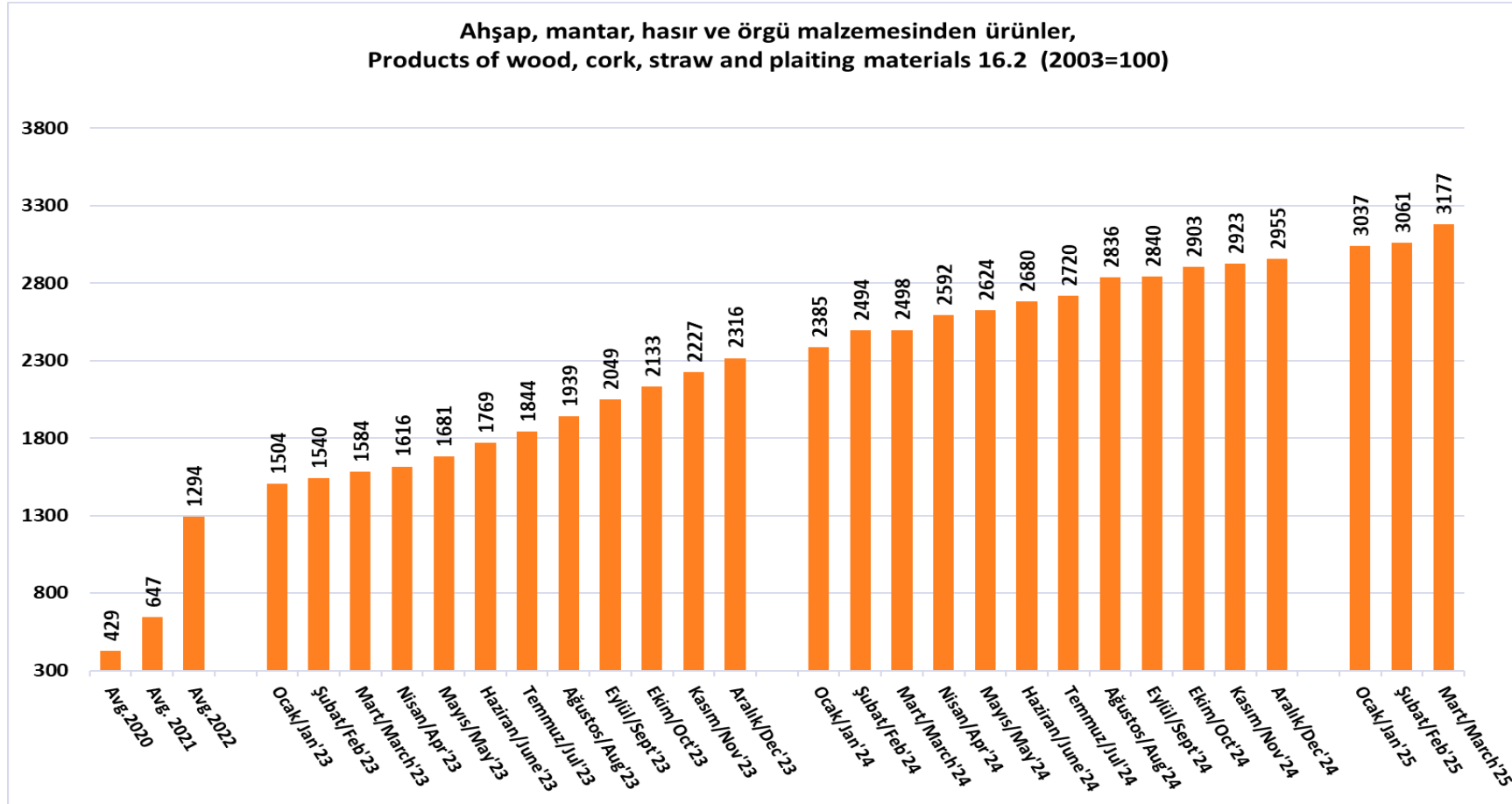


TÜİK Yurt İçi Üretici Fiyat Endeksleri | TURKSTAT Domestic Producer Price Indexes

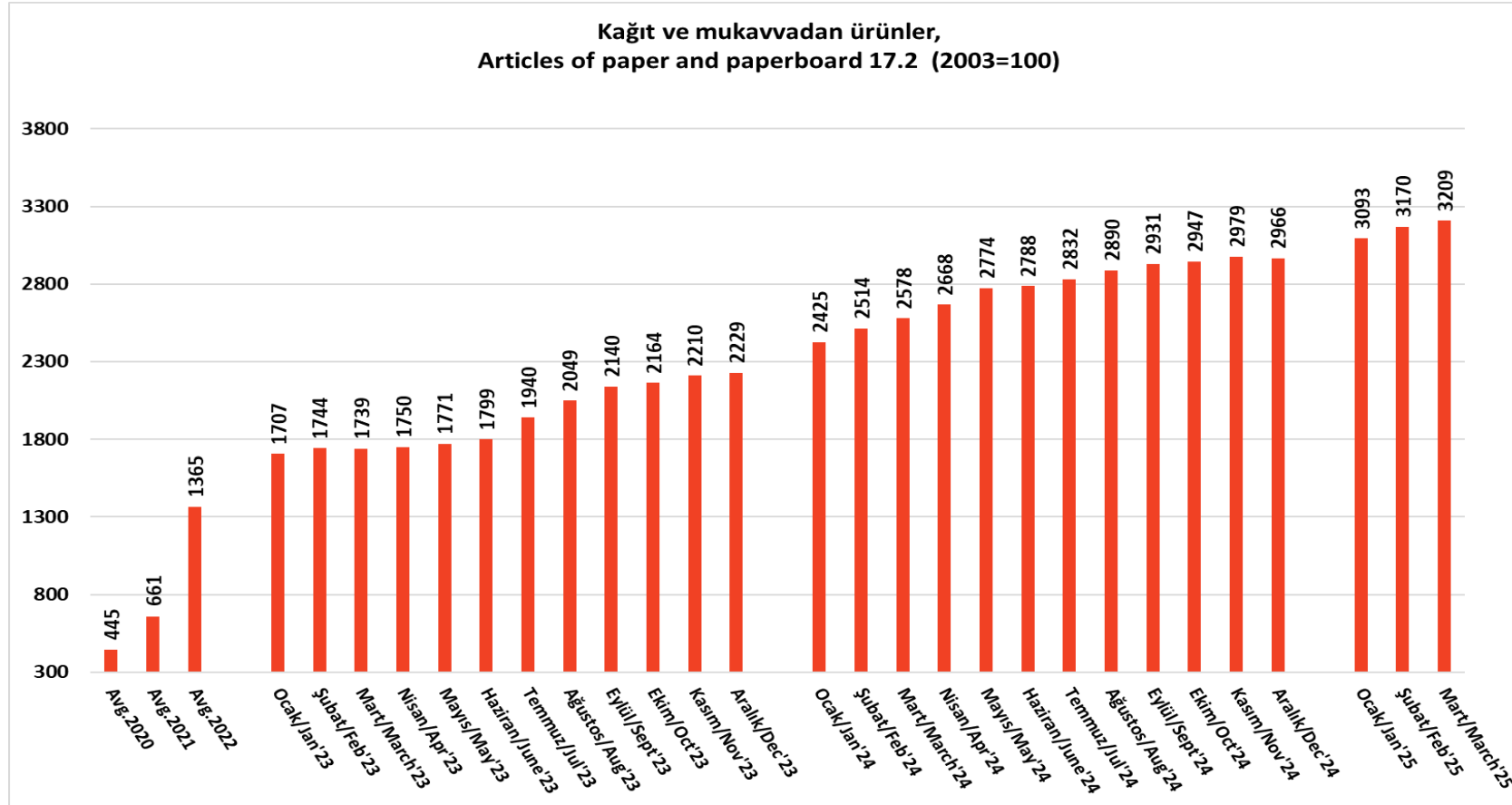
TÜİK Yıllık Yurt İçi Üretici Fiyat Endeksi TURKSTAT Yearly Domestic Producer Price Index (2003 =100)



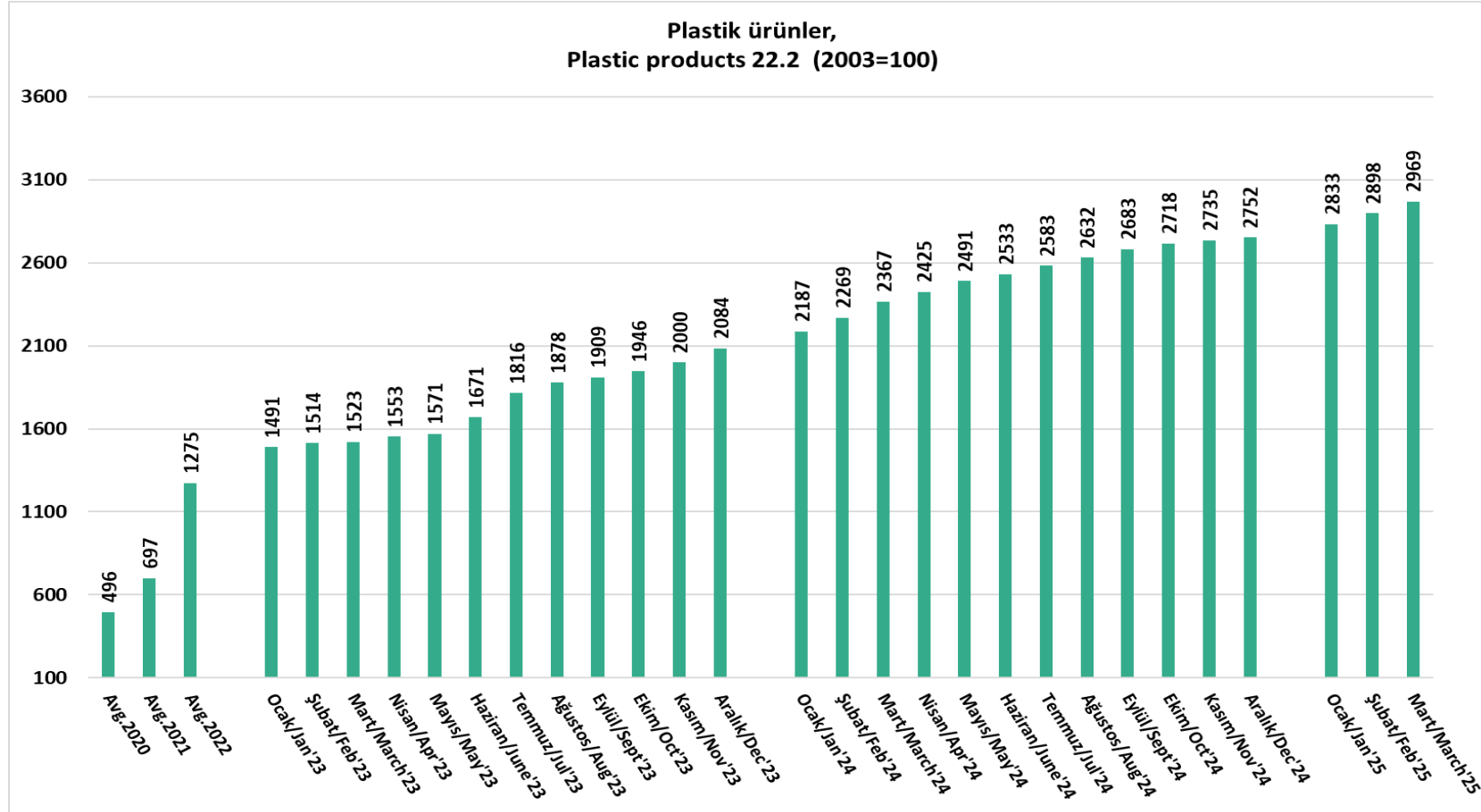
TÜİK Yıllık Yurt İçi Üretici Fiyat Endeksi TURKSTAT Yearly Domestic Producer Price Index (2003 =100)



TÜİK Yıllık Yurt İçi Üretici Fiyat Endeksi TURKSTAT Yearly Domestic Producer Price Index (2003 =100)



TÜİK Yıllık Yurt İçi Üretici Fiyat Endeksi TURKSTAT Yearly Domestic Producer Price Index (2003 =100)



TCMB Döviz Kurları | TCMB Exchange Rates

TCMB Aylık Ortalama Satış Döviz Kurları (Dolar) Turkish Central Bank Monthly Average Selling Rate of Exchange (USD)

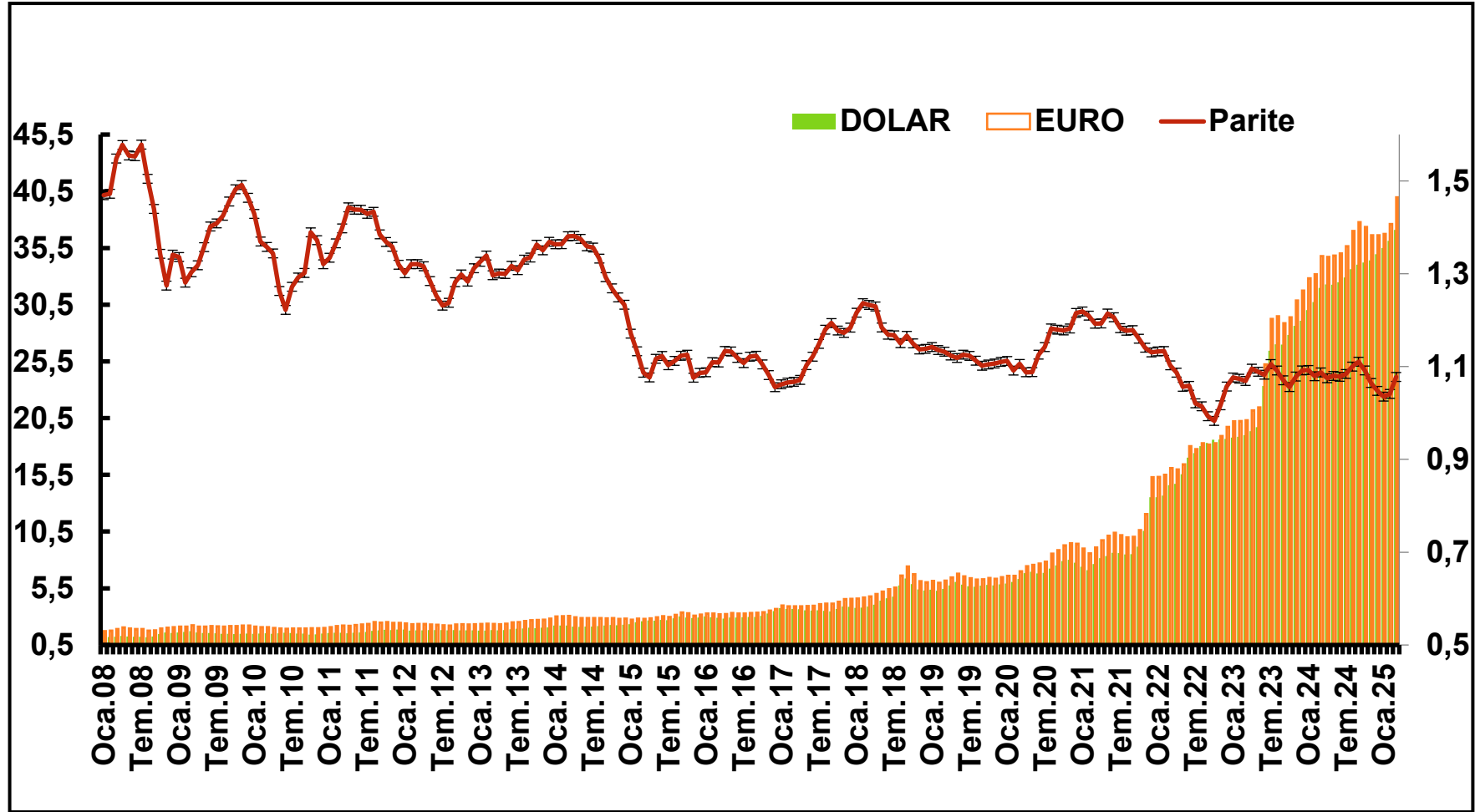
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Ocak	1,593	1,478	1,561	1,853	1,773	2,216	2,331	3,012	3,743	3,779	5,380	5,926	7,392	13,517	18,791	30,035	35,494
Şubat	1,659	1,515	1,591	1,760	1,776	2,221	2,494	2,946	3,679	3,787	5,272	6,052	7,087	13,677	18,857	30,737	36,121
Mart	1,711	1,536	1,583	1,787	1,810	2,222	2,587	2,897	3,676	3,884	5,451	6,322	7,628	14,597	18,998	31,982	37,086
Nisan	1,613	1,495	1,523	1,788	1,800	2,131	2,653	2,840	3,656	4,061	5,755	6,836	8,163	14,706	19,338	32,290	
Mayıs	1,564	1,541	1,572	1,804	1,823	2,095	2,648	2,932	3,568	4,407	6,062	6,951	8,345	15,547	19,706	32,255	
Haziran	1,548	1,578	1,602	1,825	1,897	2,119	2,706	2,922	3,526	4,631	5,831	6,820	8,616	17,023	23,321	32,482	
Temmuz	1,522	1,544	1,654	1,814	1,934	2,119	2,694	2,953	3,563	4,759	5,680	6,864	8,613	17,405	26,450	32,897	
Ağustos	1,486	1,510	1,754	1,795	1,960	2,162	2,849	2,967	3,518	5,747	5,624	7,240	8,492	18,033	27,005	33,628	
Eylül	1,491	1,498	1,790	1,805	2,021	2,208	3,009	2,972	3,473	6,369	5,720	7,521	8,513	18,305	26,978	34,031	
Ekim	1,470	1,426	1,835	1,803	1,990	2,263	2,931	3,072	3,670	5,858	5,797	7,892	9,164	18,596	27,840	34,226	
Kasım	1,488	1,435	1,808	1,794	2,025	2,236	2,877	3,271	3,881	5,397	5,740	8,007	10,556	18,625	28,628	34,410	
Aralık	1,506	1,519	1,867	1,787	2,061	2,291	2,923	3,489	3,856	5,310	5,848	7,747	13,533	18,670	29,078	34,962	
ORT	1,554	1,506	1,678	1,801	1,906	2,190	2,725	3,023	3,651	4,832	5,680	7,015	8,842	16,558	23,749	32,828	36,234

TCMB Döviz Kurları | TCMB Exchange Rates

TCMB Aylık Ortalama Satış Döviz Kurları (Euro) Turkish Central Bank Monthly Average Selling Rate of Exchange (EUR)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Ocak	2,128	2,112	2,083	2,411	2,351	3,022	2,730	3,277	3,974	4,596	6,145	6,589	9,009	15,311	20,228	32,818	36,747
Şubat	2,125	2,074	2,173	2,325	2,378	3,029	2,826	3,269	3,920	4,683	5,987	6,605	8,574	15,502	20,250	33,171	37,606
Mart	2,230	2,086	2,212	2,360	2,348	2,944	2,811	3,212	3,923	4,789	6,171	6,990	9,095	16,096	20,309	34,776	39,963
Nisan	2,127	2,009	2,198	2,353	2,340	2,944	2,857	3,219	3,917	4,993	6,467	7,436	9,737	15,982	21,185	34,709	
Mayıs	2,122	1,946	2,261	2,317	2,369	2,881	2,957	3,321	3,936	5,218	6,781	7,564	10,134	16,424	21,457	34,829	
Haziran	2,170	1,928	2,304	2,287	2,499	2,881	3,039	3,269	3,954	5,412	6,563	7,677	10,393	18,018	25,244	35,015	
Temmuz	2,143	1,964	2,363	2,234	2,530	2,875	2,972	3,271	4,094	5,556	6,378	7,839	10,188	17,768	29,239	35,662	
Ağustos	2,117	1,951	2,515	2,221	2,608	2,881	3,169	3,327	4,149	6,612	6,258	8,558	9,997	18,293	29,479	36,989	
Eylül	2,170	1,951	2,480	2,314	2,699	2,854	3,380	3,338	4,146	7,428	6,302	8,871	10,032	18,176	28,878	37,788	
Ekim	2,178	1,980	2,511	2,341	2,711	2,871	3,299	3,393	4,322	6,736	6,402	9,295	10,630	18,279	29,396	37,365	
Kasım	2,219	1,969	2,456	2,302	2,735	2,793	3,095	3,538	4,551	6,135	6,352	9,465	12,041	18,933	30,877	36,634	
Aralık	2,205	2,006	2,463	2,345	2,821	2,830	3,175	3,683	4,565	6,043	6,492	9,417	15,301	19,734	31,747	36,627	
ORT	2,161	1,998	2,335	2,317	2,532	2,900	3,026	3,343	4,121	5,683	6,358	8,025	10,428	17,376	25,691	35,532	38,105

TCMB Döviz Kurları | TCMB Exchange Rates





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