



# Producer Price Index (Mining And Utilities) Quarter 1 of 2023

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**STATISTICS BOTSWANA**

**PRODUCER PRICE INDEX  
(MINING AND UTILITIES)  
Quarter 1 of 2023**

## Preface

This report presents Botswana's quarterly Producer Price Index (Mining and Utilities), which is used to derive the producers' inflation rate. The inflation rate measures the change in the Producer Price Index (PPI) for the quarter under review compared to the previous quarter (quarter-on-quarter changes) as well as to the corresponding quarter in the previous year (year-on-year changes).

Price Statistics information is suitable for the formulation of socio-economic and monetary policies. Statistics Botswana produces the quarterly Producer Price Index (Mining and Utilities) to meet the needs of stakeholders.

The Producers' (Mining) annual inflation rate stood at 12.2 percent in Quarter 1 of 2023, a decrease of 11.0 percentage points from 23.2 percent recorded in Quarter 4, 2022. The Producers' (Utilities) annual inflation rate was 0.0 percent in Quarter 1 of 2023, the same rate as in Quarter 4, 2022.

Statistics Botswana recognises and extends appreciation to all stakeholders who provided information for the production of this publication.

For more information and further enquiries, contact the Directorate of Stakeholder Relations at **+267 367 1300**. This publication and all other Statistics Botswana outputs/publications are available on the website at <http://www.statsbots.org.bw> and at the Statistics Botswana Information Resource Centre (Head-Office, Gaborone).


  
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## 1.0 Commentary

### 1.1 Mining Producer Price Index Quarter one (1) 2023

The Mining Producer Price Index moved from 129.4 in Quarter 4 of 2022 to 122.6 in Quarter 1 of 2023, registering a decline of 5.3 percent. The decrease was due to a fall in section indices of Gold and Diamond by 15.4 and 6.4 percent respectively. Other minerals, specifically Coal, Soda Ash and Salt recorded increases of 25.5, 21.6 and 2.0 percent respectively. [Refer to Table 2.](#)

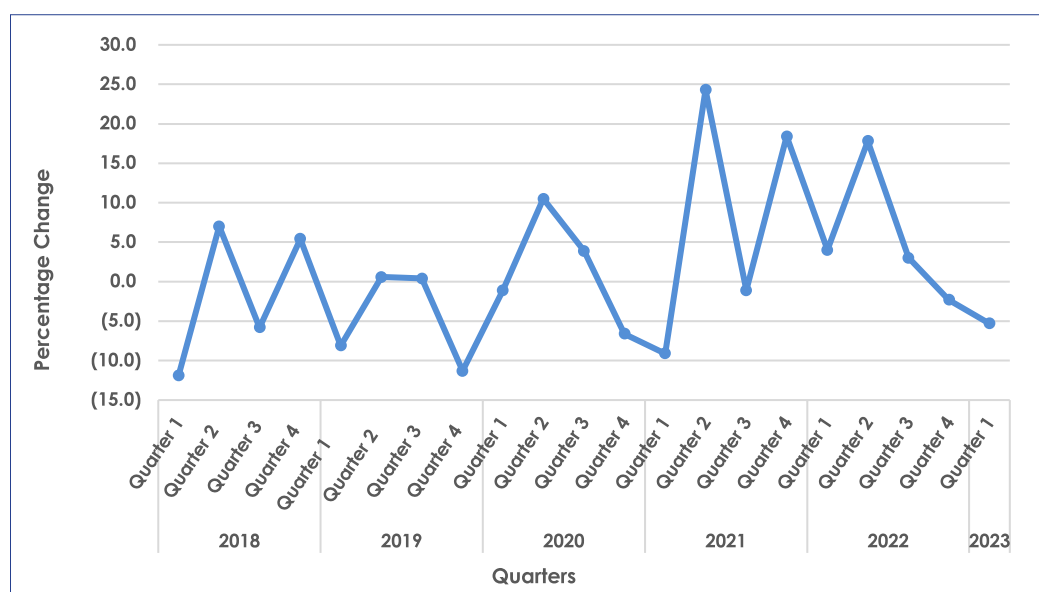
The Mining Producer Price annual inflation rate was 12.2 percent in the first quarter of 2023, a decrease of 11.0 percentage points, from the third quarter rate of 23.2 percent. [Refer to Table 1.](#)

### 1.2 Utilities (Water and Electricity) Producer Price Index

The Utilities Producer Price Index in the first quarter of 2023 remained constant at 115.9, the same index as in the fourth quarter of 2022. [Refer to Table 3.](#)

The Utilities Producer Price annual inflation rate for the first quarter of 2023 was 0.0 percent, the same rate as in the fourth quarter of 2022. [Refer to Table 3.](#)

**Chart 1: Quarter on Quarter Percentage Change for Mining Producer Price Index(PPI)**



**Table 1: Mining Producer Price Index (2017=100)**

Year	Quarter	PPI Index	Percentage Change	
			Quarter on Quarter	Year on Year
2017	Base Period	100.0	-	-
2018	Quarter 1	88.1	(11.9)	-
	Quarter 2	94.3	7.0	
	Quarter 3	88.8	(5.8)	-
	Quarter 4	91.4	5.4	(8.6)
2019	Quarter 1	84.0	(8.1)	(4.7)
	Quarter 2	84.5	0.6	(10.4)
	Quarter 3	84.8	0.4	(4.5)
	Quarter 4	75.2	(11.3)	(17.7)
2020	Quarter 1	74.4	(1.1)	(11.5)
	Quarter 2	82.2	10.5	(2.8)
	Quarter 3	85.1	3.9	0.4
	Quarter 4	79.5	(6.6)	5.7
2021	Quarter 1	72.2	(9.1)	(2.8)
	Quarter 2	89.8	24.3	9.3
	Quarter 3	88.8	(1.1)	4.3
	Quarter 4	105.1	18.4	32.2
	Quarter 1	109	4	51
2022	Quarter 1	109.3	4.0	51.3
	Quarter 2	128.7	17.8	43.3
	Quarter 3	132.5	3.0	49.3
	Quarter 4	129.4	(2.3)	23.2
2023	Quarter 1	122.6	(5.3)	12.2

**Table 2: Mining Producer Price Index for Quarter 1, 2023 ( 2017=100.0)**

Group		Weights	Indices		% Change
			4 <sup>th</sup> Quarter 2022	1 <sup>st</sup> Quarter 2023	Quarter on Quarter
	Mining	100.0	129.4	122.6	(5.3)
1.0	Diamond	94.7	127.7	119.4	(6.4)
2.0	Coal	0.9	184.9	232.0	25.5
3.0	Gold	1.1	174.3	147.5	(15.4)
4.0	Soda Ash	1.9	176.7	214.9	21.6
5.0	Salt	0.7	110.0	112.3	2.0
6.0	Quarry	0.7	115.6	115.6	0.0

**Table 3: Utilities Producer Price Index (Water and Electricity)**

Year	Quarter	PPI Index	Percentage Change	
			Quarter on Quarter	Year on Year
2017	Base Period	100,0	-	-
2018	Quarter 1	100,0	-	-
	Quarter 2	111,2	11,2	-
	Quarter 3	111,2	0,0	-
	Quarter 4	111,2	0,0	-
2019	Quarter 1	111,2	0,0	11,2
	Quarter 2	111,2	0,0	0,0
	Quarter 3	111,2	0,0	0,0
	Quarter 4	111,2	0,0	0,0
2020	Quarter 1	111,2	0,0	0,0
	Quarter 2	112,0	0,7	0,7
	Quarter 3	112,0	0,0	0,7
	Quarter 4	112,0	0,0	0,7
2021	Quarter 1	112,0	0,0	0,7
	Quarter 2	115,9	3,5	3,5
	Quarter 3	115,9	0,0	3,5
	Quarter 4	115,9	0,0	3,5
2022	Quarter 1	115,9	0,0	3,5
	Quarter 2	115,9	0,0	0,0
	Quarter 3	115,9	0,0	0,0
	Quarter 4	115,9	0,0	0,0
2023	Quarter 1	115,9	0,0	0,0





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