

Volume of Mineral Production

AGENCY: DENR-Mines and Geosciences Bureau

Indicator	1st Quarter 2018					Reason for Changes
	Accomplishments			Percent Change		
	Q1 2017	Q4 2017	Q1 2018	Year-on-Year	Quarter-on-Quarter	
A	B	C	[(C-A)/A]*100	[(C-B)/B]*100		
Region I						
Limestone (MT.)	779,119.00	534,954.00	447,049.60	-43%	-16%	Less operating time at Holcim Development & Mining Corporation.
Calcareous Sandstone (Cu.m.)	141.00	66.00	87.00	-38%	32%	Only 2 permittees operated during the period/Tourist from other provinces & regions are buying the finished products
Pebbles (Cu.m.)	4,550.00	4,678.00	4,529.00	0%	-3%	Some pebble pickers joined the 4 P's projects of the Department of Social Welfare and Development.
Silica (MT.)	16,220.40	571.50	10,130.00	-38%	1673%	Only 2 permittees operated during the period/Increased demand for cement production
Shale (MT.)	136,234.50	97,225.00	94,464.00	-31%	-3%	Less operating time @ Northern Cement Corp.
Zeolite (MT.)	1,741.38	860.16	1,340.26	-23%	56%	Equipment breakdown/Stockpiling for future use
Bentonite (MT.)	597.93	199.55	219.54	-63%	10%	Equipment breakdown/Stockpiling for future use
Sand and Gravel (Cu.m.)	683,706.36	796,559.03	443,740.64	-35%	-44%	Equipment breakdown @ Heirs of Elias Olegario
Cement (Bags)	16,938,377.00	13,259,810.18	8,283,225.00	-51%	-38%	Holcim Mining & Devt. Corporation is now operating as a quarry and no longer manufacturing cement.
Ilocos Norte						
Sand and Gravel (Cu.m.)	114,244.50	183,875.30	105,725.00	-7%	-43%	Various permittees are still in the process of renewal.
Pebbles (Cu.m.)	NP	300.00	30.00	-	-	Low market demand
Magnetite Sand (MT)						
Ilocos Sur						
Sand and Gravel (Cu.m.)	36,036.50	46,502.50	54,652.20	52%	18%	Various road projects being implemented in the province

Indicator	Accomplishments			Percent Change		Reason for Changes
	Q1 2017	Q4 2017	Q1 2018	Year-on-Year	Quarter-on-Quarter	
	A	B	C	$[(C-A)/A]*100$	$[(C-B)/B]*100$	
Calcareous Sandstone (Cu.m.)	141.00	66.00	87.00	-38%	32%	Only 2 permittees operated during the period./Tourist from other provinces & regions are buying the finished products
La Union						
Limestone (MT.)	393,419.00	328,488.00	233,675.60	-41%	-29%	Less operating time at Holcim Development & Mining Corporation.
Sand and Gravel (Cu.m.)	166,382.86	114,591.69	108,881.43	-35%	-5%	Various permittees are still in the process of renewal.
Pebbles (Cu.m.)	4,550.00	4,378.00	4,499.00	-1%	3%	Some pebble pickers joined the 4 P's projects of the Department of Social Welfare and Development./ The pebbles are in demand in the local and international market.
Cement (Bags)	5,568,061.00	5,864,239.18	NP	-	-	Holcim Mining & Devt. Corporation is now operating as a quarry and no longer manufacturing cement.
Pangasinan						
Limestone (MT.)	385,700.00	206,466.00	213,374.00	-45%	3%	Only 1 permittee operated during the quarter/Increased demand for cement production
Silica (MT.)	16,220.40	571.50	10,130.00	-38%	1673%	Increased demand for cement production/ Only one permit holder operated during the period
Shale (MT.)	136,234.50	97,225.00	94,464.00	-31%	-3%	Increased demand for cement production
Zeolite (MT.)	1,741.38	860.16	1,340.26	-23%	56%	Equipment breakdown/Stockpiling for future use
Bentonite (MT.)	597.93	199.55	219.54	-63%	10%	Equipment breakdown/Stockpiling for future use
Sand and Gravel (Cu.m.)	367,042.50	451,569.54	174,482.01	-52%	-61%	Various permittees are still in the process of renewal.
Cement (Bags)	11,370,316.00	7,395,571.00	8,238,225.00	-28%	11%	Only Northern Cement Corp. is manufacturing cement. Increased demand for the various road projects being implemented in the province

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Indicator	2nd Quarter 2018						
	Accomplishments			Percent Change		Reason for Changes	
	Q2 2017	Q1 2018	Q2 2018	Year-on-Year	Quarter-on-Quarter	Year-on-Year	Quarter-on-Quarter
	A	B	C	[(C-A)/A]*100	[(C-B)/B]*100		
Region I							
Limestone (MT.)	777,581.48	447,049.60	648,582.00	-16.6%	45.1%	Less Operating Time at Holcim Mining and Development Corporation.	Increase demand and more operating days at Northern Cement Corp.
Calcareous Sandstone (Cu.m.)	146.00	87.00	56.00	-61.6%	-35.6%	Decrease in market demand	
Pebbles (Cu.m.)	3,364.00	4,529.00	2,680.00	-20.3%	-40.8%	Three (3) permits were not renewed due to lack of pebbles in the pebble picking areas	
Silica (MT.)	10,693.40	10,130.00	6,540.50	-38.8%	-35.4%	Only one permit holder operated during the period	
Shale (MT.)	105,455.90	94,464.00	189,194.80	79.4%	100.3%	Increased demand for cement production @ Northern Cement Corporation	
Zeolite (MT.)	1,222.11	1,340.26	580.22	-52.5%	-56.7%	Low market demand @ Heirs of Elias Olegario	
Bentonite (MT.)	293.89	219.54	238.60	-18.8%	8.7%	Unfavorable weather condition in the area	Stockpiling
Sand and Gravel (Cu.m.)	682,146.93	443,740.64	547,728.38	-19.7%	23.4%	Most of the permits are on the process of renewal.	Various road projects are being implemented in the region
Cement (Bags)	12,147,300.00	8,283,225.00	14,260,490.00	17.4%	72.2%	Less shutdown activities @ Northern Cement Corporation	
Ilocos Norte							
Sand and Gravel (Cu.m.)	149,654.00	105,725.00	148,594.50	-0.7%	40.5%	Most of the permits are on the process of renewal	Various road projects are being implemented in the
Pebbles (Cu.m.)	61.00	30.00		-100.0%	-100.0%		
Magnetite Sand (MT)				#DIV/0!	#DIV/0!		
Ilocos Sur							
Sand and Gravel (Cu.m.)	54,159.20	54,652.20	7,263.00	-86.6%	-86.7%	Most of the permits are on the process of renewal	
Calcareous Sandstone (Cu.m.)	146.00	87.00	56.00	-61.6%	-35.6%	Decrease in market demand	
La Union							
Limestone (MT.)	369845	233675.6	338602	-8.4%	44.9%	Less Operating Time at Holcim Mining and Development Corporation.	Less shutdown activities @ Holcim MDC
Sand and Gravel (Cu.m.)	165,354.92	108,881.43	87,427.04	-47.1%	-19.7%	Most of the permits are on the process of renewal	

Indicator	Accomplishments			Percent Change		Reason for Changes	
	Q2 2017	Q1 2018	Q2 2018	Year-on-Year	Quarter-on-Quarter	Year-on-Year	Quarter-on-Quarter
	A	B	C	[(C-A)/A]*100	[(C-B)/B]*100		
Pebbles (Cu.m.)	3,314.00	4,499.00	2,680.00	-19.1%	-40.4%	Three (3) permits were not renewed due to lack of pebbles in the pebble picking areas	
Cement (Bags)	5,138,531.33	NP	NP	#VALUE!	#VALUE!		
Pangasinan							
Limestone (MT.)	407,736.48	213,374.00	309,980.00	-24.0%	45.3%	Kiln shutdown @ Northern Cement Corp.	Increase demand for cement production
Silica (MT.)	10,693.40	10,130.00	6,540.50	-38.8%	-35.4%	Only one permit holder operated during the period	Only one permit holder operated during the period
Shale (MT.)	105,455.90	94,464.00	189,194.80	79.4%	100.3%	Increased demand for cement	Equipment breakdown and unfavorable weather
Zeolite (MT.)	1,222.11	1,340.26	580.22	-52.5%	-56.7%	Low market demand @ Heirs of Elias Olegario	
Bentonite (MT.)	293.89	219.54	238.60	-18.8%	8.7%	Unfavorable weather condition in the area	Stockpiling
Sand and Gravel (Cu.m.)	312978.81	174482.01	304443.84	-2.7%	74.5%	Equipment breakdown of some permit holders while other permits are still in the process of renewal	
Cement (Bags)	12,147,300.00	8238225	14260490	17.4%	73.1%	Various road projects are being implemented	

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Indicator	3rd Quarter 2018						
				Percent Change		Reasons for Changes	
	Q3 2017	Q2 2018	Q3	Year-on-Year	Quarter-on-Quarter	Year-on-Year	Quarter-on-Quarter
	B	C	C	[(C-A)/A]*100	[(C-B)/B]*100		
Region I							
Limestone (MT.)	528,989.68	648,582.00	648,074.79	22.5%	-0.08%	Less shutdown activities @ Northern Cement Corporation and more operating time at Holcim Mining & Devt Corp.	Less operating time at Holcim Mining and Devt Corp.
Calcareous Sandstone (Cu.m.)	108.00	56.00	100.00	-7.4%	78.57%	Decrease in market demand	Increased demand from customers
Pebbles (Cu.m.)	3,459.00	2,680.00	0.00	-100.0%	-100.00%	All special pebbles picking permits were nto yet renewed.	
Silica (MT.)	2,247.20	6,540.50	7,874.00	250.4%	20.39%	Increased demand for cement production @ Northern Cement Corporation	
Shale (MT.)	79,440.40	189,194.80	145,884.00	83.6%	-22.89%	Less shutdown activities	Equipment Breakdown at
Zeolite (MT.)	303.48	580.22	479.90	58.1%	-17.29%	Stockpiling	Equipment breakdown at Heirs of Elias Olegario
Bentonite (MT.)	157.89	238.60	0.00	-100.0%	-100.00%		
Sand and Gravel (Cu.m.)	836,878.24	547,728.38	513,342.47	-38.7%	-6.28%	Most of permits are on process for renewal.	
Cement (Bags)	15,757,918.68	14,260,490.00	17,431,209.59	10.6%	22.23%	Less shutdown activities @ Northern Cement Corporation and more operating time at Holcim Mining & Devt Corp.	
Ilocos Norte							
Sand and Gravel (Cu.m.)	146,668.78	148,594.50	78,835.50	-46.2%	-46.95%	Most of permits are on process for renewal.	
Pebbles (Cu.m.)	70.00			-100.0%	#DIV/0!		
Magnetite Sand (MT)							
Ilocos Sur							
Sand and Gravel (Cu.m.)	52,922.20	7,263.00	19,194.00	-63.7%	164.27%	Most of the permits are on the process of renewal	Various projects being implemented in the province.
Calcareous Sandstone (Cu.m.)	108.00	56.00	100.00	-7.4%	78.57%	Decrease in market demand	Increased demand from customers

Indicator				Percent Change		Reasons for Changes	
	Q3 2017	Q2 2018	Q3	Year-on-Year	Quarter-on-Quarter	Year-on-Year	Quarter-on-Quarter
	B	C	C	$[(C-A)/A]*100$	$[(C-B)/B]*100$		
La Union							
Limestone (MT.)	288,608.00	338,602.00	258,719.00	-10.4%	-23.59%	Less Operating Time at Holcim Mining and Development Corporation.	
Sand and Gravel (Cu.m.)	143,374.73	87,427.04	43,020.60	-70.0%	-50.79%	Most of permits are on process for renewal.	
Pebbles (Cu.m.)	3,389.00	2,680.00		-100.0%	-100.00%	All special pebbles picking permits were nto yet renewed.	
Cement (Bags)	5,608,243.68			-100.0%	#DIV/0!		
Pangasinan							
Limestone (MT.)	240,381.68	309,980.00	389,355.79	62.0%	25.61%	Less shutdown at Nothern Cement Corp.	
Silica (MT.)	2,247.20	6,540.50	7,874.00	250.4%	20.39%	Increased demand for cement production at Nothern Cement Corp.	
Shale (MT.)	79,440.40	189,194.80	145,884.00	83.6%	-22.89%	Less shutdown at Nothern Cement Corp.	Equipment breakdown at Northern Cement Corp.
Zeolite (MT.)	303.48	580.22	479.90	58.1%	-17.29%	Stockpiling	Equipment breakdown at Heris of Elias Olegario
Bentonite (MT.)	157.89	238.60		-100.0%	-100.00%		
Sand and Gravel (Cu.m.)	493,912.61	304,443.84	372,292.37	-24.6%	22.29%	Most of permits are on process for renewal.	Various road projects being implemented in the province.
Cement (Bags)	10,149,675.00	14,260,490.00	17,431,109.59	71.7%	22.23%	Various road projects are being implemented	

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Indicator	4th Quarter 2018						Reasons for Changes	
	Q4 2017	Q3 2018	Q4 2018	Percent Change		Year-on-Year	Quarter-on-Quarter	
				Year-on-Year	Quarter-on-Quarter			
				[(C-A)/A]*100	[(C-B)/B]*100			
B	C	C						
Region I								
Limestone (MT.)	534,954.00	648,074.79	666,498.00	24.6%	2.84%	More operating time @ Holcim Mining & Development Corporation		
Calcareous Sandstone (Cu.m.)	66.00	100.00	153.00	131.8%	53.00%	Increase in market demand		
Pebbles (Cu.m.)	4,678.00	4,290.00	4,978.00	6.4%	16.04%	Increase in market demand		
Silica (MT.)	571.50	7,874.00	10,713.00	1774.5%	36.06%	Increase demand for cement production @ Northern Cement Corp		
Shale (MT.)	97,225.00	145,884.00	80,262.43	-17.4%	-44.98%	Equipment breakdown @ Northern Cement Corporation		
Zeolite (MT.)	860.16	479.90	1,199.75	39.5%	150.00%	Increase in market demand		
Bentonite (MT.)	199.55	No production	199.97	0.2%	#VALUE!	Equipment breakdown @ Heirs of Elias Olegario.		
Sand and Gravel (Cu.m.)	796,559.03	513,342.47	966,824.34	21.4%	88.34%	One of the provinces submitted their production for one whole year as permits were issued only in Nov.		
Cement (Bags)	13,259,810.18	17,431,209.59	12,977,866.53	-2.1%	-25.55%	Equipment breakdown @ Northern Cement Corporation		
Ilocos Norte								
Sand and Gravel (Cu.m.)	183,875.30	78,835.50	134,556.60	-26.8%	70.68%	Most of the permits are on the process of renewal	Various road projects being implemented in the province	
Pebbles (Cu.m.)	300.00	Expired		-100.0%	#VALUE!			
Magnetite Sand (MT)								
Ilocos Sur								
Sand and Gravel (Cu.m.)	46,502.50	19,194.00	42,969.50	-7.6%	123.87%	Most of the permits are on the process of renewal	Various road projects being implemented in the province	
Calcareous Sandstone (Cu.m.)	66.00	100.00	153.00	131.8%	53.00%	Increased demand from customers		
La Union								
Limestone (MT.)	328,488.00	258,719.00	350,671.00	6.8%	35.54%	More operating time at Holcim Mining & Development Corporation		
Sand and Gravel (Cu.m.)	114,591.69	43,020.60	177,182.60	54.6%	311.86%	Various road projects being implemented in the province		
Pebbles (Cu.m.)	4,378.00	4,290.00	4,978.00	13.7%	16.04%	All special pebble picking permits were renewed		
Cement (Bags)	5,864,239.18			-100.0%	#DIV/0!			

Indicator				Percent Change		Reasons for Changes	
	Q4 2017	Q3 2018	Q4 2018	Year-on-Year	Quarter-on-Quarter	Year-on-Year	Quarter-on-Quarter
	B	C	C	[(C-A)/A]*100	[(C-B)/B]*100		
Pangasinan							
Limestone (MT.)	206,466.00	389,355.79	315,822.00	53.0%	-18.89%		Equipment breakdown @ Northern Cement Corp.
Silica (MT.)	571.50	7,874.00	10,713.50	1774.6%	36.06%	Increased demand for cement production @ Northern Cement Corporation	
Shale (MT.)	97,225.00	145,884.00	80,262.43	-17.4%	-44.98%	Equipment breakdown at Northern Cement Corporation	
Zeolite (MT.)	860.16	479.90	1,199.75	39.5%	150.00%	Stockpiling and high inventory	
Bentonite (MT.)	199.55	-	199.97	0.2%	#VALUE!	Stockpiling and low market demand	
Sand and Gravel (Cu.m.)	451,569.54	372,292.37	612,115.74	35.6%	64.42%	Various road projects being implemented in the province	
Cement (Bags)	7,395,571.00	17,431,109.59	12,977,866.53	75.5%	-25.55%	Various road projects are being implemented in the province	Equipment breakdown at Northern Cement Corporation