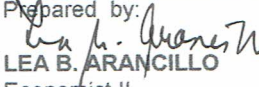
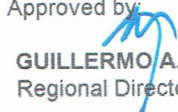


**MINES AND GEOSCIENCES BUREAU**  
**REGIONAL OFFICE NO. : V**  
**PART 1: SUMMARY OF OPERATING MINES & QUARRIES**  
**CY 2019**

MINERAL COMMODITY	NUMBER OF PERMIT HOLDERS
<b>METALLICS</b>	
Medium to Large Scale	
Gold with silver	1 FRC/PGPRC (producing)
Sub-total	1
Small Scale	
Chromite	
Gold	
Iron Ore	
Manganese	
Others (Please specify the commodity)	
Sub-total	0
<b>TOTAL METALLICS</b>	1
<b>NON-METALLICS</b>	
Aggregates (Base Course, Blasted Rocks, Ballastro, Crushed Rock, Rock Materials, Banda-banda, Volcanic Rock, Tuff, Adobe)	
	2 ALBAY=2
Armor Rock	7 ALBAY=7
Ball Clay	
Bentonite	1 ALBAY=1
Boulder	87 ALBAY= 87
Clay (Black Clay, Red Clay, White Clay)	1 CN=1
Decorative Stones (Flatstone, Mactan Stone, Ara-al Stone)	
Diatomaceous Earth	
Filling Materials (Selected Borrow, Waste Materials, Earthfill, Escombros, Mountain Soil, Ordinary Earth, Soil, Rubble)	102 ALBAY=37; MASBATE=60, SOR=4; CS=1
Gravel	106 ALBAY=106
Guano	
Kaolin Clay	
Limestone for Cement	5 ALBAY=5
Marble	
Pebbles	
Perlite	2 ALBAY=1; CS=1
Pumice	2 SOR=2
Sand (White sand)	
Sand and gravel (Rivermix)	451 ALBAY=122 (Sand only); MASBATE=244; CN=34; CS=8; SOR=16; CAT=27
Shale Clay	
Silica Clay	
Silica Quartz	
Silica Sand	2 ALBAY=1; CN=1
White Sand	
Zeolite	1 ALBAY=1
<b>TOTAL NON-METALLICS</b>	769
<b>TOTAL</b>	770

Prepared by:  
  
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 Economist II  
 Date: Feb. 28, 2020

Approved by:  
  
**GUILLERMO A. MOLINA JR. IV**  
 Regional Director