

**MINES AND GEOSCIENCES BUREAU**  
**CORDILLERA ADMINISTRATIVE REGION**  
**PART 1: SUMMARY OF OPERATING MINES & QUARRIES**  
**CY 2017**

| MINERAL COMMODITY   | NUMBER OF PERMIT HOLDERS |
|---|--------------------------|
| <b>METALLICS</b>  |                          |
| Medium to Large Scale   |                          |
| Chromite  |                          |
| Copper with Gold & Silver   | 4                        |
| Gold  | 5                        |
| Gold with silver  | 4                        |
| Nickel  | 3                        |
| Nickel Concentrate  |                          |
| Zinc  |                          |
| Sub-total   | 16                       |
| Small Scale   |                          |
| Chromite  |                          |
| Gold  |                          |
| Iron Ore  |                          |
| Manganese   |                          |
| Magnetite   |                          |
| Others (Please specify the commodity)   |                          |
| Sub-total   |                          |
| <b>TOTAL METALLICS</b>  | <b>15</b>                |
| <b>NON-METALLICS</b>  |                          |
| Aggregates (Base Course, Blasted Rocks, Ballastro, Crushed Rock, Rock Materials, Banda-banda, Volcanic Rock, Tuff, Adobe) |                          |
| Basalt  |                          |
| Boulder   |                          |
| Andesite  |                          |
| Asbestos  |                          |
| Clay (Black Clay, Red Clay, White Clay)   |                          |
| Ball Clay   |                          |
| Bentonite   |                          |
| Kaolin Clay   |                          |
| Clinker   |                          |
| Cinder (Black Cinder, Red Cinder)   |                          |
| Decorative Stones (Flatstone, Mactan Stone, Ara-al Stone)   |                          |
| Pebbles   |                          |
| Serpentine  |                          |
| Diorite   |                          |
| Dolomite  |                          |
| Filling Materials (Selected Borrow, Waste Materials, Earthfill, Escombros, Mountain Soil, Ordinary Earth, Soil, Rubble)   |                          |
| Feldspar  |                          |
| Guano   |                          |
| Rock Phosphate  |                          |
| Diatomaceous Earth  |                          |
| Gypsum  |                          |
| Limestone   | 1                        |
| Limestone for Cement  | 1                        |
| Limestone for Construction Materials  |                          |
| Limestone for Agricultural Use  |                          |
| Limestone for Industrial Use  |                          |
| Buguities Shells  |                          |
| Lime  |                          |
| Hydrated Lime   |                          |
| Slaked Lime   |                          |
| Quicklime   |                          |
| Magnesite   |                          |
| Marble  |                          |
| Marbleized Limestone  |                          |
| Mica  |                          |
| Perlite   |                          |
| Pumice  |                          |
| Pyrite  |                          |
| Salt  |                          |
| Sandstone (Calcereous Limestone)  |                          |
| Graywacke   |                          |
| Sand and gravel (Rivermiix)   | 65                       |
| Sand (White sand)   |                          |
| Gravel  |                          |
| Schist (Phyllite Schist)  |                          |
| Shale   |                          |
| Silica (Weathered Silicious)  |                          |
| Silica Clay   |                          |
| Silica Quartz   |                          |
| Silica Sand   |                          |
| Volcanic Rock (Tuff, Adobe)   |                          |
| Zeolite   |                          |
| <b>TOTAL NON-METALLICS</b>  | <b>67</b>                |
| <b>TOTAL</b>  | <b>82</b>                |