

**ACTION PLAN FOR THE CALENDAR YEAR 2006**

**DENR-MGB**

Mining Environment and Safety Division

Manila, Philippines

**Project Title: CASM-Asia**

**Overall Goal: Improvement of socio-economic conditions of ASM communities**

OBJECTIVES AND ACTIVITIES	INDICATORS	SOURCE/ MEANS OF VERIFICATION	ASSUMPTION
<p><b>Project Purpose:</b> Living and working conditions of ASM communities are improved with minimal impacts on the environment</p> <p><b>Results/Outputs 1</b></p> <p>1. Income of ASM communities increased</p> <ul style="list-style-type: none"> <li>● Legalize the mining operations of small-scale mining (SSM) located in conflict areas or public lands                             <ol style="list-style-type: none"> <li>1. Office of the President (OP)/Cooperative Development Authority (CDA) to encourage the small-scale mining to form mining cooperatives</li> <li>2. MGB/LGU to assist the small-scale miners and permit holders to forge "win-win" solutions;</li> <li>3. PMRB to invoke its mandated functions in processing and regulating the issuances of small-scale mining/commercial permits</li> <li>4. MGB to locate alternative mineralized zones for small-scale mining outside of the permit area;</li> </ol> </li> <li>● Allocate people's small scale mining areas (PSSMA) and communal quarry zones                             <ol style="list-style-type: none"> <li>1. MGB to recommend mineralized areas both metallic and non-metallic minerals as PSSMA or communal quarry zones for sand and gravel materials</li> <li>2. LGU/PMRB to declare the mineralized areas as PSSMA or communal quarry site</li> </ol> </li> <li>● Improve Mining and Milling Recovery                             <ol style="list-style-type: none"> <li>1. MGB to provide technical assistance to small scale miners on the proper and systematic mining and milling operations;</li> <li>2. MGB/DOST to develop alternative mineral extraction process with high milling recovery;</li> <li>3. MGB/DOST to undertake research and development (R &amp; D) to further improve existing mineral processing technique;</li> </ol> </li> </ul>	<ol style="list-style-type: none"> <li>1. Reduce number of children working at ASM sites</li> <li>2. Reduce number of death and injuries related to ASM activities</li> <li>3. Reduce number of silted rivers/streams/water body in ASM sites</li> <li>4. Increasing number of ASM families rising above the poverty line</li> <li>5. Increasing number of ASM complied with laws and regulations</li> </ol> <p>Number of Cooperatives formed</p> <p>Number of 'win-win' solutions forged</p> <p>Number of hectareage</p> <p>Number of recommended PSSMA</p> <p>Number of declared mineralized areas</p> <p>Number of assistance conducted</p> <p>Extraction process developed</p> <p>Number of R&amp;D formulated</p>	<p>Reports</p> <p>Field Technical Reports Reports</p> <p>Field Technical Reports</p> <p>Field Technical Reports</p> <p>Field Technical Reports</p> <p>Field Technical Reports</p> <p>Field Technical Reports</p> <p>Field Technical Reports</p>	<p>The LGU, OP-CDA and other institutions involved shall provide the necessary assistance and cooperation with the MGB</p> <p>Availability of funds to finance the geological studies</p>
<p><b>Results/Outputs 2</b></p> <p>2. More ASM communities adopt safe, health and environmental friendly practices</p> <ul style="list-style-type: none"> <li>● Institutionalize best practices in small scale mining particularly in:                             <ol style="list-style-type: none"> <li>1 Environmental Protection Measure                                     <ol style="list-style-type: none"> <li>1.1 EMB/MGB to conduct information and education campaign (IEC) on environment friendly mining and milling operations</li> <li>1.2 LGU to designate mineral processing zone with common engineered tailings pond</li> <li>1.3 Small-Scale miners to implement construction of individual tailings pond, tree planting and appropriate mine rehabilitation</li> <li>1.4 EMB/MGB to monitor and assess the water quality of rivers and creeks traversing SSM areas</li> </ol> </li> </ol> </li> </ul>	<p>Number of IEC conducted</p> <p>Number of designated mineral processing zone</p> <p>No. of Tailings Pond constructed &amp; trees planted</p> <p>Number of rivers monitored/assessed</p>	<p>Field Technical Reports</p> <p>Field Technical Reports</p> <p>Field Technical Reports</p> <p>Field Technical Reports</p>	<p>The EMB, LGU, DOH, PNP, Academe involved shall provide the necessary assistance and cooperation with the MGB</p> <p>There are available open spaces suitable for mineral processing and</p> <p>The EMB, LGU, DOH, PNP, Academe involved shall provide the necessary assistance and cooperation with the MGB and also available funds to finance water sampling and laboratory analysis</p>

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<p>2. Safe Mining Practices</p> <p>2.1 MGB/LGU to provide trainings, lectures and seminars on mine safety and health protection to small-scale miners</p> <p>2.2 MGB/LGU to conduct regular inspection and implementation of mine safety rules and regulations as provided under DAO No. 97-30</p> <p>2.3 MGB to conduct capacity building for LGU on the implementation of DAO No. 97-30</p> <ul style="list-style-type: none"> <li>● Educate Small-Scale Miners on the Existing mining laws, rules and regulations               <ol style="list-style-type: none"> <li>1. PMRB/LGU to educate small scale miners on mining laws, rules and regulations particularly on the acquisition of mining rights and/or contracts</li> <li>2. PMRB/LGU to simplify the procedures in the issuance of small scale mining permits and commercial sand and gravel permits</li> </ol> </li> </ul>	<p>Number of trainings conducted</p> <p>Number of mines inspected</p> <p>Number of capacity building trainings conducted</p> <p>Number of IEC conducted</p> <p>Number of simplified procedures</p>	<p>Field Technical Reports</p> <p>Field Technical Reports</p> <p>Field Technical Reports</p> <p>Documentation</p> <p>Amendments</p>	<p>There are no available funds to finance the trainings and seminars</p>
<p><b>Results/Outputs 3</b></p> <p>3. CASM-Asia database is properly functioning and utilized</p> <ul style="list-style-type: none"> <li>● Provide the necessary information on mineralized area for small-scale mining               <ol style="list-style-type: none"> <li>1. MGB to undertake inventory, geological verification and assessment of small-scale mining for gold and other useful minerals</li> <li>2. MGB/LGU to identify jointly other available metallic and non-metallic minerals (chromite, iron, zeolite, etc.) and to describe the potential market demand and appropriate mining/quarrying techniques</li> <li>3. MGB in cooperation with LGU to disseminate the information thru publication and website</li> </ol> </li> <li>● LGU thru the PMRB to issue mining permits, commercial sand and gravel (SAG) permits and quarry permits in accordance with provisions of P.D. No. 1899, R.A. No. 7076, R.A. No. 7942, and R.A. No. 7160</li> <li>● LGU/PMRB to implement the People's Small-Scale Mining Protection Fund (PSSMPF) as provided for under Section 20 of RA No. 7076</li> <li>● LGU thru the recommendation of PMRB/MGB to penalize violators of environmental and mine safety rules and regulations</li> </ul>	<p>Inventory created</p> <p>Matrix created</p> <p>Website created</p> <p>Number and List of issued small-scale mining permits</p> <p>Financial statements</p> <p>Number of fees collected</p>	<p>Inventory Reports</p> <p>Database system</p> <p>Email addresses, website addresses</p> <p>Database Report of LGU's</p> <p>Database Reports of LGU's</p> <p>Database Reports of LGU's</p>	<p>The small-scale miners will pay the taxes due to the government</p> <p>The LGU to cooperate and assist the MGB in the implementation of mine safety rules and regulations</p>
<p><b>Results/Outputs 4</b></p> <p>4. ASM receives more basic services</p> <ul style="list-style-type: none"> <li>● Improve the living conditions of the small scale miners and community residents               <ol style="list-style-type: none"> <li>1. MGB to assist ssm operators and other agencies in the implementation of Social Development and Management Program (SDMP) for the small-scale mining communities</li> <li>2. Mining contractors/permitees to coordinate with LGU in the maintenance of roads and bridges leading to small-scale mining areas</li> <li>3. MGB to formulate policies on child labor and discrimination of women in small-scale mining</li> <li>4. LGU and small scale miners to enter into agreement on the establishment of building structures for social benefits such as daycare center, health clinic, and LGU sub-station in small-scale mining areas;</li> <li>5. MGB to prepare a comprehensive study on the socio-economic development of small-scale mining both on metallic and non-metallic minerals</li> <li>6. MGB, DTI and GFI to post in their respective websites the financing programs which may be tapped by LGU for the SDMP</li> <li>7. DSWD/TLRC to develop alternative sources of livelihood such as jewelry making, handicrafts, etc</li> </ol> </li> </ul>	<p>Number of ssm SDMP developed</p> <p>Number of ssm areas assisted</p> <p>Policies created</p> <p>Number of ssm SDMP developed</p> <p>Study areas identified</p> <p>Number of websites posted</p> <p>Number of ssm SDMP developed</p>	<p>Field Technical Reports</p> <p>Field Technical Reports</p> <p>Guidelines</p> <p>Agreements</p> <p>Technical Studies</p> <p>Websites</p> <p>Project proposals</p>	<p>The LGU, DOLE, DSWD, TLRC and other concerned agencies to provide assistance and cooperation with the MGB</p>

