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UNITED NATIONS DEVELOPMENT PROGRAMME

COUNTRY: GUYANA

ANNUAL WORK PLAN 2016

**Project Title** Enhancing Biodiversity Protection through Strengthened Monitoring, Enforcement and Uptake of Environmental Regulations in Guyana's Gold Mining Sector

**UNDAF Outcome(s):** National Policies, Strategies, and Plans for Disaster Risk Reduction (DRR), Management of Natural Resources, and Access to Clean Energy and Services Developed, Implemented, Monitored and Evaluated

**Expected CP Outcome(s):** Improved Functional Capacity of Key Natural Resources and Disaster Risk Management Institutions

**Implementing Partner** Ministry of Natural Resources and the Environment

**Brief Description**

Gold mining is a key sector in Guyana's economy and plays an important role in the country's socio-economic development. However, at the same time it is the main driver of deforestation and forest degradation and associated biodiversity loss. Inadequate management of tailings, little reclamation of mined-out areas, and various other practices are posing increasing threats to the extremely high levels of biodiversity and endemism found in Guyana. Various barriers currently hamper the mainstreaming of BD in the gold mining sector, including 1) Non-compliance with mining-related environmental regulations and illegal mining; 2) Insufficient personnel and institutional capacity to enforce the regulatory framework; 3) Insufficient capacity to implement the environmental regulations and codes of practices among miners. This Medium-Sized Project (MSP) has been developed to address these three critical barriers. The project objective is to strengthen monitoring and implementation of biodiversity-friendly practices in Guyana's gold mining sector to reduce biodiversity loss and maintain ecosystem functionality for the benefit of all Guyanese. This will be achieved through the following two Outcomes: 1) Enabling environment for monitoring and enforcement of environmental regulations and codes of practice strengthened; and 2) Enhanced capacities for uptake of mining practices that promote biodiversity conservation. These Outcomes will be achieved by strengthening EPA's role in oversight of mining practices, enhancing inter-institutional cooperation, increasing satellite tracking of mining activities and building field officer capacity in monitoring and enforcement and BD issues. In addition, the project will integrate BD in the Mining School programmes and provide user-friendly material and seminars to enable miners to understand the regulatory framework in place and best practices to improve BD conservation in gold mining. The MSP will contribute to GEF Biodiversity Focal Area for GEF 5, Objective 2: Mainstream biodiversity conservation and sustainable use into production landscapes, seascapes and sectors, specifically Outcome 2.1: "Increase in sustainably managed landscapes and seascapes that integrate biodiversity conservation".

Programme Period:	2012 to 2016
Key Result Area (UNDP Strategic Plan):	Output 1.3
Atlas Award ID:	00077684
Start Date:	August 2014
End Date:	August 2017
PAC Meeting Date:	11 July 2014
Management Arrangements:	NIM

2016 AWP budget:	USD 452,349
Total allocated resources:	
o GEF	USD 803,653
o EPA	USD 599,265*
o GGMC	USD 1,951,352*
o MNRE	USD 600,000*
o WWF	USD 150,000*
o UNDP	USD 88,000
In-kind contributions:	
GFC	USD 150,000

\*Parallel funding not channelled through UNDP

Agreed by Ministry of Natural Resources:

**PERMANENT SECRETARY**  
 Ministry of Natural Resources  
 McKenzie, Permanent Secretary

Date:

Agreed by UNDP:

Shabnam Mallick, Deputy Resident Representative

Date: 26/01/2016

# ANNUAL WORK PLAN

Year: 2016

EXPECTED OUTCOMES And baseline, indicators including annual targets	PLANNED ACTIVITIES List activity results and associated actions	TIMEFRAME				Responsible Party	Funding Source	IMPLEMENTING/ RESPONSIBLE ENTITY	
		Q1	Q2	Q3	Q4			Budget Description	Amount (US\$)
<p><b>OUTCOME 1</b></p> <p>Enabling environment for monitoring and enforcement of mining-related environmental regulations and codes of practices strengthened.</p> <p><b>Baseline:</b></p> <p>Number of enforcement and prohibition notices has almost nil for small and medium scale mining. Ad-hoc monitoring or compliance checks in response to complaints amount to approximately 4-5 per year.</p> <p>Baseline will be determined through a survey administered in the first 6 months of project.</p> <p>Baseline to be determined once high priority areas for monitoring and enforcement are established during the first 6 months of project implementation.</p> <p><b>Indicators:</b></p> <p>Number of actions taken by EPA (such as issuance of enforcement notices, laying of charges or mediation proceedings) in the</p>	<p><b>Activity Result 1: Strengthened EPA facilities oversight of mining operations and increases BD protection through greater capacity of staff to carry out monitoring and enforcement and prioritize actions.</b></p> <p><b>Action:</b> Draft ToR for Local Consultants to carry out prioritization of hotspots for monitoring and enforcement.</p> <p><b>Action:</b> Implementation of consultancy to carry out prioritization of hotspots for monitoring and enforcement.</p> <p><b>Action:</b> Draft ToR for Local Consultants to act as trainer (s) to build EPA capacity and develop written training materials.</p> <p><b>Action:</b> Implementation of consultancy to act as trainer (s) to build EPA capacity and develop written training materials</p>					EPA	GEF	71300 – Local Consultants	35,000
								71600-Travel	26,400
								72500 - Supplies	5,000

<p>areas identified through the project as high priority for monitoring and enforcement in small and medium-scale gold mining.</p> <p>Level of coordinating capacity among institutions and non-state actors for enforcement of mining-related environmental practices.</p> <p>% of total area identified as high priority for monitoring and enforcement that is being monitored using satellite tracking.</p> <p><b>Target:</b></p> <ul style="list-style-type: none"> <li>• Increase in number of compliance actions taken by EPA (such as issuance of enforcement notices, laying of charges or mediation proceedings) by at least 50% over 2013/2014 baseline target of at least 7 per year)</li> <li>• Target will be determined in first 6 months of project</li> <li>• At least 75% of total high priority area is being monitored using satellite tracking.</li> </ul>	<p><b>Activity Result 2: Inter-institutional coordination mechanisms and multi-stakeholder monitoring network enhance collaboration in monitoring.</b></p> <p><b>Action:</b> Draft ToR for Local Consultants to provide basic training to GFC, GL&amp;SC, Agency Board members, local leaders/NGOs/CBOs on monitoring and enforcement, mining &amp; BD; to develop simplified checklist and to establish reporting mechanism.</p> <p><b>Action:</b> Implementation of consultancy to provide basic training to GFC, GL&amp;SC, Agency Board members, local leaders/NGOs/CBOs on monitoring and enforcement, mining &amp; BD; to develop simplified checklist and to establish reporting mechanism.</p> <p><b>Action:</b> Draft ToR for Local Consultants to define agencies' roles, define inter-institutional coordination mechanism, develop collaboration protocol and define mechanism of operation of multi-stakeholder enforcement network.</p> <p><b>Action:</b> Implementation of consultancy to define agencies' roles, define inter-institutional coordination mechanism, develop collaboration protocol and define mechanism of operation of multi-stakeholder enforcement network</p>					EPA	GEF	71300 -Local Consultant	24,500
								71600 – Travel	54,000
								75700- Trainings, Workshops and Conferences	30,000
								72500 - Supplies	5,000

	<p><b>Action:</b> Ten (10) workshops across administrative regions.</p> <p><b>Activity Result 3: GGMC and GGDMA officers support mainstreaming of BD in mining sector through increased enforcement of regulations and codes of practice and strengthened capacity on BD.</b></p> <p><b>Action:</b> Draft ToR for Local Consultants to provide training to GGMC and GGDMA officers, produce training brochure and update checklist in use to monitor compliance by GGMC.</p> <p><b>Action:</b> Implementation of consultancy to provide training to GGMC and GGDMA officers, produce training brochure and update checklist in use to monitor compliance by GGMC.</p> <p><b>Action:</b> Three (3) workshops for training of GGMC and GGDMA officers</p> <p><b>Activity Result 4: Satellite tracking of mining activities, and analysis and reporting of findings from satellite image by GGMC and EPA, increase oversight of non-compliance with regulations and illegal mining.</b></p>					EPA/GGMC		<p>71300 -Local Consultant</p> <p>75700- Trainings, Workshops and Conferences</p> <p>74500- Miscellaneous</p>	<p>21,000</p> <p>9,000</p> <p>6,153</p>
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<p><b>TOTAL OUTCOME 1</b></p>	<p><b>Action:</b> Integration of Satellite Image into to GIS System and Monitoring for compliance with existing mining-related environmental regulations through satellite tracking and field inspections.</p>								<p><b>216,053</b></p>
<p><b>OUTCOME 2:</b> Enhanced capacities for uptake of practices that promote biodiversity conservation.</p> <p><b>Baseline:</b> 1 Baseline course adequately incorporates the topic of BD (Codes of practice for small and medium-scale miners). Baseline to be determined once project identified high priority areas for monitoring and enforcement. Baseline 0.</p> <p><b>Indicators:</b> # of courses or seminars implemented through Mining School that integrate BD considerations. % of miners observed by field officers who are complying with the environmental regulations and codes of practice in areas identified as high priority for monitoring and enforcement (based on checklist). % of small and medium-scale gold miners participating in project seminars who report an increased awareness of mining-related regulations and biodiversity issues. <b>Target:</b></p>	<p><b>Activity Result 1: Mining School programmes integrate biodiversity considerations.</b></p> <p><b>Action:</b> Draft ToR for Local Consultants to update Mining School curriculum to integrate BD aspects. <b>Action:</b> Implementation of consultancy to update Mining School curriculum to integrate BD aspects.</p> <p><b>Action:</b> Draft ToR for Local Consultants to train minimum of 6 trainers at Mining School. <b>Action:</b> Implementation of consultancy to train minimum of 6 trainers at Mining School.</p> <p><b>Activity Result 2: User-friendly material and capacity building facilitate uptake of BD- friendly practices by miners.</b></p> <p><b>Action:</b> Draft ToR for Local Consultants to develop user-friendly</p>					<p>EPA/GGMC</p> <p>GEF</p>	<p>71200 – International Consultants</p> <p>71300 -Local Consultant</p> <p>71600 - Travel</p>	<p>25,000</p> <p>14,700</p> <p>8,400</p>	

<p>At least 5 courses or seminars implemented through Mining School that adequately incorporated BD considerations (Codes of practice for small and medium-scale miners; mine reclamation; environmental impact management; health and safety and placer mine sites; and introductory level training of prospectors for the extractive industry).</p> <p>An increase of at least 30% over the baseline of small and medium scale miners in areas identified as high priority for monitoring and enforcement comply with the environmental regulations and codes of practice (the baseline of high priority areas will be established at project outset and the target will be confirmed at project outset).</p> <p>75% of small and medium-scale gold miners who participate in project seminars report an increased awareness of mining-related regulations and biodiversity issues.</p>	<p>summaries and posters/billboards and to deliver seminars to miners.</p> <p><b>Action:</b> Implementation of consultancy to develop user-friendly summaries and posters/billboards and to deliver seminars to miners.</p> <p><b>Action:</b> Draft TOR for International Consultant to conduct Mid-Term review.</p> <p><b>Action:</b> Conduct project Mid-Term review.</p> <p><b>Action:</b> Draft TOR for Professional to translate codes of practice to Portuguese.</p> <p><b>Action:</b> Translation of Codes of Practice to Portuguese.</p> <p><b>Action:</b> Conduct Project Steering Committee Meetings twice per year</p> <p><b>Action:</b> Print twenty (20) Billboards, two thousand (2,000) posters, three (3) jingles, ten (10) informercials and six (6) user-friendly summaries.</p>									<p>71300 -Local Consultant</p> <p>71600 - Travel</p> <p>72500 - Supplies</p> <p>74100 – Professional Services</p> <p>75700- Trainings and Workshops</p> <p>74200 – Audiovisual &amp; Print Prod. Costs</p> <p>74500- Miscellaneous</p>	<p>21,000</p> <p>60,000</p> <p>1,200</p> <p>15,000</p> <p>29,781</p> <p>45,000</p> <p>2,181</p>
<p><b>TOTAL OUTCOME 2</b></p>										<p><b>222,262</b></p>	

Project Management	Project Administrator/Financial Assistant								GEF	73500 - Reimbursement Costs 71800 - Contractual Services - imp partner	3,234
Total Project Management Cost											14,034
<b>TOTAL PROJECT COSTS</b>											<b>452,349</b>