



# Environmental and Social Management Plan (ESMP) for the Rehabilitation and Operation of Historical Buildings in the inner city of Paramaribo



**kiwa**



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**Abbreviations and Glossary**

BO	Government Supervisors (bestuursopzichters)
DC	District Commissioner
DR	District Council
ESIA	Environmental and Social Impact Assessment
ESMP	Environmental and Social Management Plan
GoS	Government of Suriname
IDB	Inter-American Development Bank
IFC	International Finance Cooperation
MINOWC/MESC	Ministry of Education, Science and Culture (Ministerie van Onderwijs, Wetenschap en Cultuur)
NGO	Non- Governmental Organization
NIMOS	National Institute for Environment and Development in Suriname (Nationaal Instituut voor Milieu en Ontwikkeling in Suriname)
PaPs	Project-Affected Persons
PIU	Project Implementation Unit
PURP	Paramaribo Urban Rehabilitation Program
RAP	Resettlement Action Plan
RR	Resort Council

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## 1 INTRODUCTION

### 1.1 PURPOSE OF THIS DOCUMENT

This document presents the Environmental & Social Management Plan (ESMP) as part of the Environmental and Social Impact Assessment for the Rehabilitation and Operation of Historical Buildings in the inner city of Paramaribo.

The ESMP details the approach which includes the set of mitigation, monitoring and institutional measures, which will be followed during the rehabilitation and operation of historical to ensure that all negative impacts on the environment are eliminated or reduced to acceptable levels. The plan also includes actions needed to implement these measures and to ensure that responsibilities and appropriate resources are efficiently allocated to the project.

This document is intended as a dynamic document that may be continually edited and updated as new insights develop during the implementation of the project. A first update will be required upon restart of project activities at a currently unknown date.

The ESMP as a minimum complies with the national laws and regulations and with international best practices. The Environmental Assessment (EA) guidelines of the National Institute for Environment and Development in Suriname (NIMOS, 2009) as guidance, as well as World Bank standards (notably World Bank Operational policy 4.01, Annex C) and the Environmental Safeguards Compliance Policy (OP-703) of the IDB have included as guidance.

### 1.2 PROJECT BACKGROUND

The Government of Suriname (GoS) and the Inter-American Development Bank (IDB) signed a signed a loan agreement (no. 3905/OC-SU) of twenty million US Dollars (US\$20 million) to finance the Paramaribo Urban Rehabilitation Program (PURP).

The main purpose of the PURP is to contribute to the socio-economic revitalization of Paramaribo's historic inner city. This program is implemented by the Ministry of Education, Science and Culture (MESCC), through the Suriname Built Heritage Foundation (Stichting Gebouwd Erfgoed Suriname).

The PURP has the following components to be implemented over a 5 years period:

- I. Renovation of urban spaces and of key heritage buildings;
- II. Improvement in urban mobility (reducing motorized traffic in the World Heritage Site (WHS), and promoting non-motorized transportation),
- III. Promotion of economic and residential activities (including the renovation of historic buildings for mixed use housing and commercial uses, as well as tourism planning and identification of soft interventions),
- IV. Strengthening the institutional framework for managing the area's development.

The specific objectives of the PURP include:

- a) The attraction of new residents and commercial activities;
- b) Restoration of value to cultural heritage;
- c) Reduction of traffic congestion; and
- d) Strengthening of the institutional framework for managing sustainable development.

As part of component I of the Program, some historic buildings in the inner city of Paramaribo will be rehabilitated:

1. Waterkant 32, building of Ministry of Social Affairs,
2. Mr.J.C. Mirandastraat 10, building owned by Ministry of Justice and Police;

3. Henck Arronstraat 1, building of the Ministry of Justice and Police;
4. Grote Combeweg 3, former department of Immigration of the Ministry of Justice and Police.

Some other historic buildings in the inner city of Paramaribo which still need to be selected, based on available resources are:

- Waterkant 30, building of Ministry of Social Affairs,
- Mr.J.C. Mirandastraat 5, building of Ministry of Finance,
- Mr.J.C. Mirandastraat 7, building of Ministry of Finance,
- Tamarindelaan 9, Tower building of Ministry of Finance and
- Zeelandiaweg 3, Department of Culture Studies, Ministry of Education, Culture and Communication.

The selected buildings were built back in the 18th century and are currently in dilapidated state. The rehabilitation of the buildings includes maintenance of the original structures that mainly consist of wood, with utmost care to preserve the historic character while modernization is done on the interior. The ground floor will have a multifunctional use (restaurants, gallery, guesthouse) while the second and higher floors will still be used as government offices. The construction period varies per building.

### 1.3 STRUCTURE OF THIS ESMP

This ESMP is made up of two parts:

**Part 1: Introduction (Chapter 1):** Provides brief background to the project as well as a brief description of the purpose and structure of the ESMP.

**Part 2: Specifications and Procedures (Chapter 2):** Explains the environmental & social specifications for the project and sets out the roles and responsibilities and capacity development and training.

**Part 3: Monitoring (Chapter 3):** Sets out the monitoring measures for implementation of the ESMP

## 2 SPECIFICATIONS & PROCEDURES

### 2.1 INTRODUCTION

This section of the ESMP builds upon the ESIA to identify feasible and cost-effective measures that may reduce potentially significant adverse environmental & social impacts to acceptable levels. The plan includes compensatory measures if mitigation measures are not feasible, cost-effective or sufficient.

### 2.2 MOST SIGNIFICANT IMPACTS

- 1) **Fire safety:** A fire outbreak that can be the consequence of increasing temperatures/drought in the inner city and due to outdated electrical networks. Currently there are no fire safety plans in place. This impact can be minimized through mitigation plan 1.
- 2) **Vandalism/theft:** Theft of project goods by homeless or opportunists. This impact can be minimized through mitigation plan 2. As listed in mitigation plan 2 this impact can be minimized by guarding project site before and after construction activities.
- 3) **Archaeological resources:** The construction site is part of Suriname's historic inner-city as well as the location of possible pre-Columbian indigenous settlement. It is therefore possible that archaeological artefacts will be discovered, unearthed and/or disturbed during earth moving activities. This impact can effectively be mitigated through mitigation plan 3.
- 4) **Decrease of customers/visitors of business in the ADI:** In the ADI of the historical building's sites several businesses (restaurants, guesthouses etc.) are observed which may be affected by the project activities. This may be negative: decrease/loss of visitors and customers. This impact can be minimized through mitigation plan 4.
- 5) **Loss of parking space:** The project will cause loss of parking space. The area already has little parking space available, and additional loss of parking space will be a nuisance for both staff and visitors of nearby offices. This impact can be minimized through mitigation plan 5.
- 6) **Traffic related impacts:** Without proper mitigation, both pedestrian and car traffic will experience traffic-related impacts. These impacts can be mitigated by taking usual measures for rehabilitation near traffic flows, including creation of safe pedestrian walkway, and cooperation with police to guarantee minimal disruption of car traffic as listed in mitigation plan 6.
- 7) **Dust:** Without mitigation, schools, religious houses, businesses and area residents will experience minor nuisances related to dust production. This impact can effectively be mitigated by covering and wetting of dust producing materials or by placing dust screens as listed in mitigation plan 7.
- 8) **Noise:** Without mitigation, schools, religious houses, businesses and area residents will experience minor nuisances related to noise. This impact can effectively be mitigated by carefully scheduling most noisy activities and communication (media announcement) about noisy activities as listed in mitigation plan 8.
- 9) **Waste:** Without mitigation, schools, religious houses, businesses and area residents will experience minor nuisances related to waste. This impact can effectively be mitigated by proper waste management practices according to the national requirements and best practice as listed in mitigation plan 9.
- 10) **Material handling, storage and disposal (asbestos):** Without proper mitigation in handling and/or storage of hazardous/flammable material, the safety and health of workers and area residents may be affected. This impact can effectively be mitigated by proper material handling/storage practices according to the national requirements and best practice as listed in mitigation plan 10.
- 11) **Community and working welfare, health and safety:** The project building must have a positive impact on the welfare of the community and employees. Without proper mitigation measures the community and the employees will experience discomfort and may be exposed

to health and safety risks. This impact can effectively be mitigated by proper measures as listed in mitigation plan 11.

The lands surrounding the Palm Tree Garden (*Palmentuin* (a historic palm garden in Paramaribo) are regarded as the home of the first Indigenous people of Suriname. This area is currently not considered as part of the customary lands of any one of Suriname's existing Indigenous or Tribal ethnic groups. No Indigenous People live or have permanent businesses on this location. Rehabilitated-related activities will not take place in the palm garden. This location may be affected by dust, but with proper mitigation no severe, long-term, or irreversible impacts related to the rehabilitation activities are anticipated. This Project will not cause direct impacts on Indigenous Peoples, and the IDB Operational Policy on Indigenous Peoples (OP 765) is not triggered in the context of the proposed Project.

### 2.3 NO-PROJECT ALTERNATIVE AND DESIGN ALTERNATIVES

One alternative to entirely avoid impacts is the no-project scenario (see ESIA alternatives analysis). This option would implicate that the Ministry of Justice and Police as well as the Ministry of Social affairs would have no accommodation for their expansion of functions and would have to consider another available buildings or construction area. Another consequence of cancellation of this project would mean that the Historical Buildings would not be restored at their original location with maintenance of the historic character of the buildings in the inner city. This alternative may harm the broader aims of the Paramaribo Urban Rehabilitation Program.

### 2.4 MITIGATION PLANS

Mitigation Measure/Plan 1. Fire Safety plans			Version 1: 14/12/2018
Risk / Impact to be addressed:	Fire during construction		
<i>Summary of Current Situation:</i> The current electrical networks are outdated. This can cause a fire when not handled correctly. Currently there are no fire safety plans in place.			
<i>Description of Measures to be implemented:</i>			
<ul style="list-style-type: none"> <li>Consulting Fire Brigade (dep. Prevention) prior to the construction activities</li> <li>Contractors should have an emergency plan included in the HSE requirements.</li> <li>Follow the fire safety instructions from the Fire Department</li> <li>Follow the instructions from NCCR in case of any disaster related to fire</li> <li>Guarding project site before and after construction activities.</li> </ul>			
Stage of project to which measure applies	Preconstruction	X	Estimated cost(s):  <i>In Preconstruction phase:</i> Consulting Fire Brigade (dep. Prevention): n/a Guarding project site before and after construction activities. Costs of a Fire Safety management plan TBD by the contractor
	Construction	X	
	Operation		
	Closure		

<p><i>Applicable Requirements and Standards:</i></p> <ul style="list-style-type: none"> <li>• Follow the fire safety instructions from the Fire Department</li> <li>• Instructions from NCCR in case of disasters related to fire.</li> <li>• The IFC Performance Standards: PS 4 Community Health, Safety and Security</li> </ul>				
<p><i>Indicators to measure success:</i></p> <ul style="list-style-type: none"> <li>• # of fires in the construction phase</li> <li>• # of near misses related to fire at project site</li> </ul>		<p><i>Performance goals for Indicators:</i></p> <ul style="list-style-type: none"> <li>• Zero fire accidents</li> </ul>		
<p><i>Responsibility for implementation of measure:</i></p>	<p><i>PIU:</i></p> <ul style="list-style-type: none"> <li>- Process supervision.</li> </ul> <p><i>Government of Suriname (Ministry of Justice &amp; Police, Ministry of Public Works):</i></p> <ul style="list-style-type: none"> <li>- Support in terms of consultation/advice</li> </ul> <p><i>Contractor:</i></p> <ul style="list-style-type: none"> <li>- Consulate Fire Brigade (dep. Prevention)</li> <li>- Fire Management plans in place.</li> <li>- Hire guards at the project site before and after construction activities.</li> </ul>			
<p><i>Frequency of inspection/ compliance verification:</i></p>	<p>[[add frequency of supervision to be undertaken during construction and operation by contractor, supervision consultant and executing agency]]</p> <p>To be determined/discussed in the contractor's HSE Plan</p>			
<p><i>Additional Information / Guidance:</i></p>				

<b>Mitigation Measure/Plan 2. Hiring guards</b>				Version 1: 14/12/2018
Risk / Impact to be addressed:		Vandalism/theft		
<p><i>Summary of Current Situation:</i> the consequence if the project goods are stolen by homeless or opportunists is major.</p>				
<p><i>Description of Measures to be implemented:</i></p> <p>Guarding project site before, during and after construction activities.</p>				
Stage of project to which	Preconstruction		Estimated cost(s):	<i>In Preconstruction and operational phase:</i>
	Construction	X		

measure applies	Operation	X		Cost of guarding project site before and after construction activities: USD 300-500 per month
	Closure			
<i>Applicable Requirements and Standards:</i>				
<ul style="list-style-type: none"> <li>The Penal Act and Police Criminal Act</li> </ul>				
<i>Indicators to measure success:</i>			<i>Performance goals for Indicators:</i>	
<ul style="list-style-type: none"> <li># of theft/vandalism incidents</li> </ul>			<ul style="list-style-type: none"> <li>Total loss due to theft and vandalism is less than USD 500 (total for all construction sites).</li> </ul>	
<i>Responsibility for implementation of measure:</i>	<i>PIU:</i> <ul style="list-style-type: none"> <li>Process supervision.</li> </ul> <i>Contractor:</i> <ul style="list-style-type: none"> <li>Hire guards during and after construction</li> </ul>			
<i>Frequency of inspection/ compliance verification:</i>	[[add frequency of supervision to be undertaken during construction and operation by contractor, supervision consultant and executing agency]] To be determined/discussed in the contractor's HSE Plan			
<i>Additional Information / Guidance:</i>				

<b>Mitigation Measure/Plan 3. Protection of archaeological heritage</b>			Version 1: 11/12/2018	
Risk / Impact to be addressed:		Disturbance archaeological sites		
<i>Summary of Current Situation:</i> During construction, there is a risk of unanticipated discovery of material remains of archaeological or historical significance. Discovery and potential disturbance of archaeological sites is only a risk during (limited) earth moving activities related to the construction.				
<i>Description of Measures to be implemented:</i>				
<ul style="list-style-type: none"> <li>▪ Use of trained observers/watchers brief during land movements</li> <li>▪ Uses of chance find procedure (See ESIA).</li> </ul>				
Stage of Project to which measure applies	Preconstruction		Estimated cost(s):	<i>In Construction phase:</i> Presence of trained archaeological observer during land moving: USD 5,000
	Construction	X		
	Operation			
	Closure			
Applicable Requirements and Standards:				
<ul style="list-style-type: none"> <li>• IDB guidelines on Chance finds, as indicated in IDB operational Policy 703</li> <li>• Chance Find Procedure in Appendix F of the PURP-ESMM</li> </ul>				
Indicators to measure success:		Performance goals for Indicators:		
<ul style="list-style-type: none"> <li>• Presence of archaeological observer during earth moving activities.</li> <li>• Application of adequate chance fund procedures</li> </ul>		<ul style="list-style-type: none"> <li>• Contractor records presence of archaeological observer for all hours that earth moving takes place.</li> <li>• In case of unanticipated discovery of archaeological site, independent archaeologist signs of on adequate use of chance find procedure.</li> </ul>		
Responsibility for implementation of measure:		<i>PIU:</i> Contract and supervise archaeologist.  <i>Contractor:</i> Communication with PIU on when earth moving will take place -		
Frequency of inspection/ compliance verification:		Daily during earth moving		
Additional Information / Guidance:		None		

<b>Mitigation Measure/Plan 4. Development of a communication relation plan</b>			Version 1: 14/12/2018
Risk / Impact to be addressed:	Decrease of customers/visitors of business in the ADI		
<p><i>Summary of Current Situation:</i> In the ADI of the historical building's sites several businesses (restaurants, guesthouses etc.) are observed which may be affected by the project activities. If the activities start it may have a negative impact due to the decrease/loss of visitors and customers.</p>			
<p><i>Description of Measures to be implemented:</i></p> <ul style="list-style-type: none"> <li>• Prior communication about construction activities.</li> <li>• Placing communication board in different languages (i.e. Dutch, English).</li> <li>• Planning of certain construction activities before and after work hours; preferably not in weekends especially during high tourist season</li> <li>• Development of Livelihood Restoration Plan for affected businesses</li> </ul>			
Stage of project to which measure applies	Preconstruction	X	<p>Estimated cost(s):</p> <p><i>In Preconstruction phase:</i></p> <ul style="list-style-type: none"> <li>• Prior communication about construction activities: TBD by the contractor</li> <li>• Placing communication board in different languages (i.e. Dutch, English) TBD by the contractor</li> </ul> <p><i>In construction phase:</i></p> <ul style="list-style-type: none"> <li>• Planning of certain construction before and after work hours; preferably not in weekends especially during high tourist season</li> </ul>
	Construction	X	
	Operation		
	Closure		
<p><i>Indicators to measure success:</i></p> <ul style="list-style-type: none"> <li>- “% of complaints that have been that have been handled satisfactory</li> </ul>		<p><i>Performance goals for Indicators:</i></p> <ul style="list-style-type: none"> <li>• Less than 5 complaints per week</li> <li>• 100% of complaints that have been handled satisfactory Communication Plan has been developed</li> </ul>	
<p><i>Responsibility for implementation of measure:</i></p>	<p><i>PIU:</i></p> <ul style="list-style-type: none"> <li>- Process supervision. A communication plan will also be developed within the PURP as part of component 3. This plan will outline the responsibilities for implementation and monitoring.</li> </ul> <p><i>Contractor:</i></p> <ul style="list-style-type: none"> <li>- CR plan (checklist) in place</li> <li>- Placing communication board</li> </ul>		

<p><i>Frequency of inspection/ compliance verification:</i></p>	<p>[add frequency of supervision to be undertaken during construction and operation by contractor, supervision consultant and executing agency]</p> <p>To be determined/discussed in the contractor’s HSE Plan</p> <p>A communication plan will also be developed within the PURP as part of component 3. This plan will outline the frequency of inspection and compliance verification.</p> <p>During the construction activities, the contractor should complete the CR checklist weekly and included this in the monthly progress reports</p>
<p><i>Additional Information / Guidance:</i></p>	

<p><b>Mitigation Measure/Plan 5. Alternative parking space</b></p>		<p>Version 1: 14/12/2018</p>		
<p>Risk / Impact to be addressed:</p>	<p>Loss of parking spaces</p>			
<p><i>Summary of Current Situation:</i> During the rehabilitation of the selected historical buildings, parking near these buildings isn’t possible. In total about 20-30 parking spots will become less available nearby and in front of these buildings.</p>				
<p><i>Description of Measures to be implemented:</i></p> <ul style="list-style-type: none"> <li>• Use of busses for transport of construction workers to the site.</li> <li>• For example, private paid parking across the gas service station at the Wilhelminastraat and the Van Sommelsdijckstraat is reportedly available during daytime.</li> <li>• Make sure to include a parking preferences for people with physical limitations (pregnant women, disability)</li> </ul> <p>Long term recommendations:</p> <ul style="list-style-type: none"> <li>• Construct a multi-level parking garage as proposed by the KDV Architects.</li> <li>• Possibility of other (underground) parking garages.</li> <li>• Engage with the Ministry of OW&amp;T to prepare plans regarding parking in the inner city</li> </ul>				
<p>Stage of Project to which measure applies</p>	<p>Preconstruction</p>		<p>Estimated cost(s):</p>	<p><i>In Construction phase:</i></p> <ul style="list-style-type: none"> <li>• Negotiate with private parking lot owners</li> </ul> <p><i>In operational phase:</i></p> <ul style="list-style-type: none"> <li>- Post Project evaluation of available parking space.</li> <li>- Design and development alternative parking space</li> </ul>
<p>Construction</p>	<p>X</p>			
<p>Operation</p>	<p>X</p>			
<p>Closure</p>				
<p><i>Applicable Requirements and Standards:</i></p> <ul style="list-style-type: none"> <li>• Standards as applied by the Ministry of Public Works, Transport and Communication, also referring to the Building Code, parking rules</li> </ul>				

<p><i>Indicators to measure success:</i></p> <ul style="list-style-type: none"> <li>• Number of parking spaces within 10 minutes walking from offices remains equal or is higher.</li> </ul>	<p><i>Performance goals for Indicators:</i></p> <ul style="list-style-type: none"> <li>• Post Project evaluation of available parking space shows that number of parking spaces has remained equal or is higher than number counted in pre-Project survey</li> </ul>
<p><i>Responsibility for implementation of measure:</i></p>	<p><i>The Government (Ministry of Public Works, Ministry of Spatial Planning):</i></p> <ul style="list-style-type: none"> <li>- Designate space to serve as parking space.</li> <li>- Make agreement with private owners to use dedicated space during office hours</li> </ul> <p><i>PIU:</i></p> <ul style="list-style-type: none"> <li>- Monitoring and supervision.</li> </ul> <p><i>Contractor:</i></p> <ul style="list-style-type: none"> <li>- Creating additional parking space by efficient planning of works</li> <li>- Uses of busses for transport of workers to the site</li> <li>- Designate space to serve as parking space in consultation with the Ministry of OWT&amp;C)</li> </ul>
<p><i>Frequency of inspection/ compliance verification:</i></p>	<p>One time, after Project monitoring visit.</p>
<p><i>Additional Information / Guidance:</i></p>	

<p><b>Mitigation Measure/Plan 6. Traffic management</b></p>		<p>Version 1: 14/12/2018</p>	
<p>Risk / Impact to be addressed:</p>	<ul style="list-style-type: none"> <li>• Traffic congestions</li> <li>• Hindrance of commuter traffic.</li> <li>• Hindrance home-school traffic</li> <li>• Accidents</li> </ul>		
<p><i>Summary of Current Situation:</i> The project sites are located in the historic inner city. Most important roads to divert traffic through the city in the North-South Direction are located along the project sites. See also section 5.4 of the environmental baseline. During the rehabilitation of the buildings, it is expected that extra traffic congestions may occur, especially during peak hours and certain construction activities adjacent to the roads.</p>			
<p><i>Description of Measures to be implemented:</i></p> <ul style="list-style-type: none"> <li>• Introduce alternative routes for both destination and other traffic especially during peak hours and certain construction activities. Signs have to be placed at strategic locations, so that the public is informed well in advance.</li> <li>• Re-direct heavy traffic.</li> <li>• Allow the Contractor to use heavy equipment only during non-peak hours. E.g. supply of material can be in the weekend or after 3 PM.</li> <li>• Have a traffic management plan in place in close cooperation with the traffic police.</li> </ul>			
<p>Stage of Project to which measure</p>	<p>Preconstruction</p>	<p>X</p>	<p>Estimated cost(s):</p> <p><i>In Preconstruction phase:</i></p> <ul style="list-style-type: none"> <li>• Costs traffic management plan by</li> </ul>
	<p>Construction</p>	<p>X</p>	

applies	Operation		<p>the contractor in consultation with the Ministry of OWT&amp;C and traffic police: TBD by the contractor</p> <p><i>In Construction phase</i></p> <ul style="list-style-type: none"> <li>• Proper and clear signing for alternative routes: TBD by the contractor</li> <li>• Media announcement regularly: TBD by the contractor</li> <li>• Costs for monitoring/control by traffic police: n/a</li> </ul> <p><i>During and after closure:</i></p> <p>Evaluation and monitoring by traffic police: n/a</p>
	Closure	X	
<p>Applicable Requirements and Standards:</p> <ul style="list-style-type: none"> <li>• Traffic Police rules and guidelines</li> <li>• The IFC Performance Standards PS 4 Community Health, Safety and Security</li> </ul>			
<p><i>Indicators to measure success:</i></p> <ul style="list-style-type: none"> <li>• # of complaints received.</li> <li>• # of accidents</li> <li>• Optimal traffic flow during peaks</li> </ul>		<p><i>Performance goals for Indicators:</i></p> <ul style="list-style-type: none"> <li>• Less than 5 complaints about construction traffic per week</li> <li>• Zero accidents</li> <li>• Limited traffic congestions during peaks</li> </ul>	
<p><i>Responsibility for implementation of measure:</i></p>		<p><i>PIU:</i></p> <ul style="list-style-type: none"> <li>- Facilitate traffic management and traffic control system plan process and discussions between different parties</li> <li>- Process supervision.</li> </ul> <p><i>Contractor:</i></p> <ul style="list-style-type: none"> <li>- Traffic management plan in place.</li> <li>- Prior communication about hindrance and obstruction.</li> <li>- Introduce alternative routes in communication with the traffic police for certain construction activities.</li> </ul>	
<p><i>Frequency of inspection/compliance verification:</i></p>		<p>To be determined/discussed in the contractor’s HSE Plan</p>	
<p><i>Additional Information / Guidance:</i></p>			

<b>Mitigation Measure/Plan 7. Prevention of dust emission</b>		Version 1: 14/12/2018		
Risk / Impact to be addressed:		<ul style="list-style-type: none"> <li>Exposure to dust from traffic and dust from handling of materials</li> </ul>		
<p><i>Summary of Current Situation:</i> All the neighbouring buildings of the selected historical buildings are occupied. Dust nuisance may be experienced during the works.</p>				
<p><i>Description of Measures to be implemented:</i></p> <ul style="list-style-type: none"> <li>Prevent dust emissions by covering and wetting of dust producing material during rehabilitation activities or by placing dust screens.</li> <li>Prior communication about dust producing activities so that windows can be kept closed.</li> <li>Temporary replacement housing for potentially severely affected households.</li> </ul>				
Stage of Project to which measure applies	Preconstruction		Estimated cost(s):	<i>In Construction phase</i>
	Construction	X		Use of covering material, dust screens, respirators/: TBD by the contractor
	Operation			Maintenance of vehicle engines: TBD by the contractor
	Closure			Media announcement regularly: TBD by the contractor
<p><i>Applicable Requirements and Standards:</i></p> <ul style="list-style-type: none"> <li>The IFC Performance Standards PS 3 Pollution Prevention and Abatement</li> <li>The IFC Performance Standards PS 4 Community Health, Safety and Security</li> </ul>				
<p><i>Indicators to measure success:</i></p> <ul style="list-style-type: none"> <li># of complaints received.</li> <li># of washes/cleaning material.</li> </ul>		<p><i>Performance goals for Indicators:</i></p> <ul style="list-style-type: none"> <li>Less than 5 complaints about dust emission/exposure per week</li> <li>Zero health problems related to dust exposure</li> <li>Longer durability of building material</li> </ul>		
<p><i>Responsibility for implementation of measure:</i></p>		<p><i>PIU:</i></p> <ul style="list-style-type: none"> <li>Ensure dust suppression measures to be carried out by the contractor</li> </ul> <p><i>Contractor:</i></p> <ul style="list-style-type: none"> <li>Media announcement</li> <li>Include dust prevention measures in HSE plan</li> <li>Supply of dust screens, dust masks and respirators</li> <li>and discussions between different parties</li> <li>Maintenance of construction vehicles to be used</li> </ul>		
<p><i>Frequency of inspection/compliance verification:</i></p>		To be determined/discussed in the contractor's HSE Plan		
<p><i>Additional Information / Guidance:</i></p>				

<b>Mitigation Measure/Plan 8. Reduction of noise level</b>		Version 1: 14/12/2018		
Risk / Impact to be addressed:	<ul style="list-style-type: none"> <li>Increased noise levels at project-sites and along transport routes: project traffic and construction activities on-site (hammering).</li> <li>Potential increased noise level due to reflection of constructed buildings</li> </ul>			
<i>Summary of Current Situation:</i> All the neighbouring buildings of the selected historical buildings are occupied. Noise nuisance may be experienced during the works.				
<i>Description of Measures to be implemented:</i>				
<ul style="list-style-type: none"> <li>Planning of specific noisy construction activities as much as possible before and after office hours.</li> <li>Media announcement /prior communication about noisy construction activities, so that windows can be kept closed.</li> </ul>				
Stage of Project to which measure applies	Preconstruction		Estimated cost(s):	<i>In Construction phase</i> PPE: TBD by the contractor Planning Logistics noise construction activities: TBD by the contractor Media announcement regularly: TBD by the contractor
	Construction	X		
	Operation	X		
	Closure			
<i>Applicable Requirements and Standards:</i>				
<ul style="list-style-type: none"> <li>Outdoor Noise Standards for Community-based noise (WHO/IFC)</li> <li>The IFC Performance Standards PS 4 Community Health, Safety and Security</li> </ul>				
<i>Indicators to measure success:</i>		<i>Performance goals for Indicators:</i>		
<ul style="list-style-type: none"> <li># of complaints received.</li> </ul>		<ul style="list-style-type: none"> <li>Less than 5 complaints about noise nuisance per week</li> </ul>		
<i>Responsibility for implementation of measure:</i>	<i>PIU:</i> <ul style="list-style-type: none"> <li>Ensure noise suppression measures to be carried out by the contractor</li> </ul> <i>Contractor:</i> <ul style="list-style-type: none"> <li>Include prevention of noise exposure measures in HSE plan</li> <li>Planning logistics noise construction activities</li> </ul>			
<i>Frequency of inspection/ compliance verification:</i>	To be determined/discussed in the contractor's HSE Plan			
<i>Additional Information / Guidance:</i>				

<b>Mitigation Measure/Plan 9. Waste management</b>		Version 1: 14/12/2018	
Risk / Impact to be addressed:	<ul style="list-style-type: none"> <li>Waste produced during rehabilitation activities</li> <li>Domestic waste produced by working personnel in constructed buildings</li> </ul>		
<i>Summary of Current Situation:</i> Domestic waste is collected by the Waste Collection Department of the Ministry of Public Works, Transportation and Communication and disposed at the national open dump of Ornamibo.			

<p><i>Description of Measures to be implemented:</i></p> <ul style="list-style-type: none"> <li>• A waste management plan in place according to the national requirements and best practice</li> <li>• Remaining debris/construction waste will be re-used as much as possible</li> <li>• Domestic waste produced during construction must be collected in waste bags/containers and disposed by regular waste practices of the area.</li> <li>• A waste container must be requested from the Waste Collection Department of the Ministry of Public Works, Transportation and Communication when buildings are in operation for the daily collection of the produced domestic waste by working personnel.</li> <li>• Asbestos containing material should be removed by an asbestos expert and disposed according to the national guidelines and best practice</li> </ul>				
<p>Stage of Project to which measure applies</p>	<p>Preconstruction</p>		<p>Estimated cost(s):</p>	<p><i>In Construction phase</i></p>
	<p>Construction</p>	<p>X</p>		<p>Waste management plan by the Contractor: TBD by the contractor</p>
	<p>Operation</p>	<p>X</p>		<p><i>In Operational phase:</i></p>
	<p>Closure</p>			<p>Placing of waste container for collection domestic waste: no costs.</p>
<p><i>Applicable Requirements and Standards:</i></p> <ul style="list-style-type: none"> <li>• Guidelines of the Ministry of Public Works, Transport and Communication</li> <li>• The IFC Performance Standards PS 4 Community Health, Safety and Security</li> </ul>				
<p><i>Indicators to measure success:</i></p> <ul style="list-style-type: none"> <li>• # of complaints received.</li> </ul>		<p><i>Performance goals for Indicators:</i></p> <ul style="list-style-type: none"> <li>• Less than 5 complaints about waste intensity and odor per week</li> </ul>		
<p><i>Responsibility for implementation of measure:</i></p>	<p><i>PIU:</i></p> <ul style="list-style-type: none"> <li>- Ensure execution of waste management plan including handling of asbestos if any presence encountered.</li> </ul> <p><i>Contractor:</i></p> <ul style="list-style-type: none"> <li>- Prepare a waste management plan</li> <li>- Keep waste logs</li> <li>- Inform personnel</li> <li>- Collection of waste containers from the Waste Collection Department of the Ministry of Public Works.</li> </ul>			
<p><i>Frequency of inspection/ compliance verification:</i></p>	<p>To be determined/discussed in the contractor's HSE Plan</p>			
<p><i>Additional Information / Guidance:</i></p>				

<b>Mitigation Measure/Plan 10. Material handling, storage and disposal (asbestos)</b>		Version 1: 11/12/2018	
Risk / Impact to be addressed:		<ul style="list-style-type: none"> <li>• Exposure to hazardous substances/chemicals (e.g. asbestos)</li> <li>• Exposure to flammable material</li> <li>• Falling of material if not stored properly</li> </ul>	
<p><i>Summary of Current Situation:</i> During construction activities workers may be exposed to the remains of the asbestos containing material. During the construction period it is expected that flammable products/chemicals such as paint, hot works will be on site.</p>			
<p><i>Description of Measures to be implemented:</i></p> <ul style="list-style-type: none"> <li>• Set up storage areas for plants, materials, flammable substances (e.g. flammable liquids and gases) and hazardous substances (e.g. chemicals).</li> <li>• Store flammable materials away from other materials and protected from accidental ignition.</li> <li>• Prevent obstruction of access routes/emergency escapes by proper storage of materials.</li> <li>• Materials to be properly stacked to prevent falls.</li> <li>• HSE guidelines for contractor (toolbox meetings for workers)</li> <li>• Include specific removal procedures for asbestos/hire an asbestos specialist for removal</li> </ul>			
Stage of Project to which measure applies	Preconstruction		<p><i>In Construction phase</i></p> <p>Hiring asbestos specialist for removal of asbestos if present/: TBD by the contractor</p> <p>Include guidelines and procedures in HSE plan by contractor to handle store and disposal hazardous/flammable substances: TBD by the contractor</p>
	Construction	X	
	Operation		
	Closure		
<p>Estimated cost(s):</p>			
<p><i>Applicable Requirements and Standards:</i></p> <ul style="list-style-type: none"> <li>• The IFC Performance Standards PS 3 Pollution Prevention and Abatement</li> <li>• The IFC Performance Standards PS 4 Community Health, Safety and Security</li> <li>• The ILO guidelines</li> </ul>			
<p><i>Indicators to measure success:</i></p> <ul style="list-style-type: none"> <li>• # of incidents.</li> </ul>		<p><i>Performance goals for Indicators:</i></p> <ul style="list-style-type: none"> <li>• Zero incidents of falling material on workers and by-passers</li> </ul>	
<p><i>Responsibility for implementation of measure:</i></p>		<p><i>PIU:</i></p> <ul style="list-style-type: none"> <li>- Supervision.</li> </ul> <p><i>Contractor:</i></p> <ul style="list-style-type: none"> <li>- Prior communication about possible asbestos presence in certain material/at certain locations on site</li> <li>- Include guidelines and procedure measures in HSE plan for</li> </ul>	

	storage, handling and disposal of hazardous/flammable material - Hiring asbestos specialist if asbestos is encountered - PPE for workers
<i>Frequency of inspection/compliance verification:</i>	[[add frequency of supervision to be undertaken during construction and operation by contractor, supervision consultant and executing agency]]
<i>Additional Information / Guidance:</i>	

<b>Mitigation Measure/Plan 11. Community and working welfare, health and safety</b>	Version 1: 11/12/2018
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<b>Risk / Impact to be addressed:</b>	<ul style="list-style-type: none"> <li>• Discomfort for community and employees</li> <li>• Accidents with neighbourhood residents, people who work in the area, or passer-by's</li> <li>• Construction activities temporarily reducing pedestrian space or otherwise taking place in a location used by third parties.</li> <li>• Unauthorized people entering the work site, with good or bad intentions</li> </ul>
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*Summary of Current Situation:* The project buildings are designed for public use (expo space, gallery) on the first floor and offices for parliament functions on the upper floors. The project location is surrounded by other government buildings.

*Description of Measures to be implemented:*

*Description of Measures to be implemented:*

- In order to prevent the presence of unauthorized non-project staff, the contractor will hire a security guard for day and night.
- In order to prevent accidents with neighbourhood residents, people who work at BUZA, or passer-by's the building contractor must clearly demarcate the construction site as an area that may not be entered.
- Site access: Adequate, safe and separate pedestrian and vehicular traffic routes should be provided on and around the site.
- The site should be kept tidy.
  - Walkways and stairs should be kept free of slipping and tripping hazards.
  - Ensure there are no protruding nails on loose or fixed materials.
- Fire safety:
  - Providing adequate means for fighting fire.
  - Training of personnel in the use of fire-fighting equipment
- Workers must wear Personal Protective Equipment (PPE) at all times when present at the construction site.
- Only persons with certified skills will be able to handle heavy and electronic equipment

<b>Stage of Project to which measure applies</b>	Preconstruction		<b>Estimated cost(s):</b>	<i>In Construction phase</i> Hiring security guards/: TBD by the contractor  Demarcate construction site as an area that may not be entered without legitimation/: TBD by the contractor
	Construction	X		
	Operation			
	Closure			

				<p>Provide workers with PPE/: TBD by the contractor</p> <p>Hire certified skilled personnel for handling heavy and electronic equipment/: TBD by the contractor</p> <p>:</p> <p>Appoint first aider permanently on construction site/: TBD by the contractor</p>
<p><i>Applicable Requirements and Standards:</i></p> <ul style="list-style-type: none"> <li>• The IFC Performance Standards PS 3 Pollution Prevention and Abatement</li> <li>• The IFC Performance Standards PS 4 Community Health, Safety and Security</li> <li>• The ILO guidelines</li> </ul>				
<p><i>Indicators to measure success:</i></p> <ul style="list-style-type: none"> <li>• # of accidents.</li> </ul>		<p><i>Performance goals for Indicators:</i></p> <ul style="list-style-type: none"> <li>• Zero number of accidents</li> <li>• Zero health problems related the construction activities</li> </ul>		
<p><i>Responsibility for implementation of measure:</i></p>		<p><i>PIU:</i></p> <ul style="list-style-type: none"> <li>- Supervision</li> </ul> <p><i>Contractor:</i></p> <ul style="list-style-type: none"> <li>- Have a proper HSE plan in place</li> <li>- Hire first-aider to be present permanently on site</li> <li>- Communicate with the PIU if any accidents, illnesses or injuries within 48 hours.</li> <li>- Provide works with Personal Protective Equipment (PPE) at all times</li> <li>- Hire only persons with certified skills for operating heavy and electronic equipment</li> <li>- Clearly demarcate the construction site as an area that may not be entered.</li> <li>- Hire Security guards</li> </ul>		
<p><i>Frequency of inspection/ compliance verification:</i></p>		<p>[[add frequency of supervision to be undertaken during construction and operation by contractor, supervision consultant and executing agency]]</p>		
<p><i>Additional Information /</i></p>				

<i>Guidance:</i>	
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## 2.5 AWARENESS

Awareness sessions covering all matters regarding prevention, mitigation and monitoring measures, shall be run for all personnel on site. The objectives of the ESMP and the specific provisions of the ESMP shall be known to all personnel involved in rehabilitation and operation activities of the historical buildings in the inner city of Paramaribo prior to commencement of the project.

Awareness must cover the specific environmental and community relations management requirements as set out in the ESMP, but must also ensure that all on-site personnel are aware of and familiar with the all relevant requirements. A copy of the ESMP shall be available on site to ensure that all the on-site personnel as well as suppliers and or visitors are familiar with and understand the specifications contained in the ESMP.

The Contractor is responsible for the awareness of their staff. Toolbox meetings shall be held covering topics on HSEQ matters as provided in this ESMP. Pre-job discussions shall be held prior to the commencement of activities.

## 2.6 COMMUNITY ENGAGEMENT

### 2.6.1 Introduction

Community or stakeholder engagement is about building and maintaining constructive relationships over time. It is an ongoing process between the project owner and its stakeholders that extends throughout the life of the project and encompasses a range of activities and approaches, from information sharing and consultation, to participation, negotiation, and partnerships. It enables people to be informed about local issues related to project activities and to contribute ideas and help identify solutions. It strengthens community cooperation and builds the people's trust. The nature and frequency of community engagement should reflect the level of project risks and impacts.

However, to ensure that there is a consistent and coordinated approach to the stakeholders of the rehabilitation and operation of the historical buildings in the inner city of Paramaribo it is necessary to have appropriate processes for disclosure and communication in place. This section presents the ways to inform all relevant area inhabitants and other persons and organizations with an interest in the target area about the project so that environmental protection is assured, and that no accidents or other adverse incidents will take place.

### 2.6.2 Purpose

Community engagement in the current context is seen as the way of interacting with stakeholders/residents. It is an ongoing process which allows a two-way communication. Stakeholders/ residents and project executors will both benefit from community engagement. The purpose is to help outline how to obtain a better understanding of the public's interest and perspective regarding the project activities in the Paramaribo area. It also helps people within the community feel involved in and be heard about the project.

Two way communications can be achieved through:

- Keeping the community informed about project activities and issues that affect, or are important to the community.
- Making use of a grievance mechanism to listen to issues that affect, or are important to the community. It needs to be ensured that the local communities are aware of this grievance mechanism and how to utilize it. The complaints registry and investigation procedure will be used to ensure that all grievances are adequately addressed.

- Involve all relevant authorities during planning, construction, operation and decommissioning, including districts authorities and (local) representatives of concerned government agencies.

Meaningful community engagement usually results in minimization of vagueness, conflict and delays, and the establishment of relationships in the local community that can benefit current and future projects. It can limit the number of surprises that occur during a project because all parties share information openly and consistently.

### 2.6.3 Community engagement for the current project (Stakeholders)

Stakeholders can be defined as those people and organizations who may affect, are affected by, or perceive themselves to be affected by, a decision or activity. Also, persons, organizations and institutions that have an interest in the specific field that will be dealt with, can be seen as a stakeholder. The ESIA for the Rehabilitation and Operation of Historical Buildings in the inner city of Paramaribo has identified the following stakeholders:

- I. The Central Governmental: Ministry of Social Affairs, Ministry of Justice and Police, Ministry of Public Works, Administrative affairs of the President's Cabinet, Police Force Suriname, District Secretary Commissioner North East
- II. The local NGO's: Foundation Built Heritage Suriname
- III. Others: Central Bank of Suriname, AHKCO etc.

In total ten households were identified. In-depth interviews were conducted with the household situated at Grote Combéweg and with the households living at Mr. J.C. De Mirandastraat, because these households will likely experience most impact.

### 2.6.4 Disclosure of information about project activities

The disclosure of information sets out the policy and measures regarding the way project information will be made available to the public.

#### 2.6.4.1 General public

The general public should be made aware of the construction activities and be able to find information about it, if desired. Disclosure activities could include:

1. Leave printed copies of the ESIA report, with a non-technical summary in Dutch, in public places and with government offices (i.e. The office of the District Commissioner of Paramaribo North-East and local Government Supervisors (Bestuursopzichters) offices).
2. Publish a digital copy of the ESIA report, with a non-technical summary in Dutch, on the NIMOS website and the website of the selected institutes.
3. Publish press releases in the national newspapers.
4. Broadcast project information through media (local radio and TV stations)
5. Place a billboard at the construction site with the following project information:
  - a. Description of the project activities.
  - b. Locations of activities.
  - c. Dates of activities.
  - d. Contact information of the Community Relations department and the responsible CR officer for this project.
6. Stakeholders must be timely informed about any changes in activities schedule for the different phases of the project.

**2.6.4.2 Authorities and Agencies**

1. The government in case cultural historical findings are made.
2. Local authorities such as the District Commissioner and Secretary, the Government Supervisors (Bestuursopzichters) and District Council (DR) and Resort Council (RR) members so that they can respond to questions from area residents. Local authorities, also including the Police and the Fire Brigade will be involved in the elaboration of the Emergency Response Plan.
3. NIMOS: The project representative at NIMOS will in time be informed about project activities and schedule, and field visits by NIMOS representatives will be allowed.

The specifics about the disclosure of information to defined stakeholder groups are summarized in the following table. In providing information, special attention needs to be paid to the exact dates and locations of activities at the Waterkant 32, Mr.J.C. Mirandastraat 10 and the Henck Arronstraat 1 (when, where, how) especially for the affected stakeholders and the road users.

**Table 1: Disclosure of information about the Rehabilitation and Operation of Historical Buildings in the inner city of Paramaribo to different stakeholders**

Who?	How?	When?	Advised specific activities?
Government	Direct approach of stakeholders (e-mail and meeting).	One month in advance  One week in advance	<ul style="list-style-type: none"> <li>• Inform the District-Commissioner and his staff about the schedule of activities with exact dates, time and locations and discuss the proposed activities. Acquire assistance from other government authorities (e.g. the police force in traffic management of the Waterkant 32, Mr.J.C. Mirandastraat 10, Henck Arronstraat 1 and the Grote Combeweg 3 ).</li> <li>• Make sure that local authorities such as the District Secretary, the Government Supervisors (Bestuursopzichters) and District Council (DR) and Resort Council (RR) members are informed about the activities of the Rehabilitation and Operation of Historical Buildings in the inner city of Paramaribo, their dates, time and locations, so that they can respond to any questions from citizens.</li> </ul>
Local stakeholders (e.g. The governmental departments, the local NGO's, educational institutions and religious organizations ), landowners, road users	Internet / Social media  CR Department  Direct approach of stakeholders (e-mail and meeting).  Personal contact or through the local authorities  Media  Posters/ Pamphlets	One month in advance	<ul style="list-style-type: none"> <li>• Place an up-to-date schedule of project activities on the websites of the selected institutes</li> <li>• Inform all stakeholders via social media (with a link on posters/pamphlets/newspaper/working-schedules).</li> <li>• Distribute information and schedules directly to affected stakeholders via internet. It should, however, be realized that not all stakeholders have access to internet.</li> <li>• Provide relevant stakeholders with a name and contact information of the responsible person who should be contacted in the case of questions, concerns or complaints.</li> <li>• The working schedule should be made available for the local stakeholders through the District-Commissioner, the Government Supervisors (Bestuursopzichters) and District Council (DR) and Resort Council (RR) whatever is most appropriate.</li> <li>• Inform local stakeholders about the complaints procedure and emphasize the commitment to address grievances and good neighborly relations.</li> <li>• Publish the working schedule in national newspapers. It should be made clear when (date and time) the activities for the Rehabilitation and Operation of Historical Buildings in the inner city of Paramaribo will take place, in what section of the road and what specific rules should be followed (e.g. traffic management rules).</li> <li>• Place posters/pamphlets with operation schedules at the local BO offices.</li> </ul>
All stakeholders	Media  Billboard	One month in advance  Two weeks in advance	<ul style="list-style-type: none"> <li>• Use national and local media (newspapers, TV, radio, social media) to inform stakeholders in general and in and around rehabilitation sites about the days, times and location of activities.</li> <li>• Place a billboard at the construction site with general project information, project dates and contact information.</li> </ul>

### 2.6.5 General communication mechanisms

For the execution of the Rehabilitation and Operation of Historical Buildings in the inner city of Paramaribo, the following general communication mechanisms should be in place:

**1. Appoint a community-based project communication officer**

PURP already has Community Officer. The name(s) and phone number(s) of this person should appear on all pamphlets.

**2. Grievance redress mechanism**

Grievance redress will follow international best practice. The PIU, via the Social Baseline and Impact Assessment, commits to engaging with PAPs and other stakeholders in a manner that is conciliatory, fair, and transparent. Care will always be taken to prevent grievances rather than going through a redress process. Through careful Project design and implementation, by ensuring full participation and consultation with PAPs, and by establishing communication and coordination among the various implementation entities, the Project aims to try to prevent grievances. Nonetheless, PAPs may disagree with a decision, practice or activity related to land acquisition and resettlement. Hence the Project will need to establish a resettlement grievance redress mechanism. The sections below describe grievance redress mechanism recommendations in more detail.

A grievance mechanism consistent with IDB requirements will be established to prevent and address concerns and grievances related to Project impacts. The mechanism is an integral part of effective social performance. It aims to be accessible to all stakeholders, including the poor and the vulnerable, so that the issues raised are resolved effectively and expeditiously.

In the case that Mirandastraat #7 is selected for restoration, two families may need to be resettled either temporarily or permanently. In this case, specific efforts will be taken to ensure that they are informed about the grievance redress mechanism. The PIU is responsible for informing these most affected stakeholders through an information letter and a personal visit to explain the procedures and provide contact information of the office and individual responsible for managing complaints. The PIU officer responsible for grievance redress will make follow up visits to these most affected stakeholders to ensure that all procedures are clear.

Resolution principles that form the basis of the grievance mechanism are: proportionality, cultural appropriateness, accessibility, transparency and accountability. The processes of the grievance mechanism include:

- Receive and register comments
- Review and investigate complaints and grievances
- Develop resolution options
- Respond to grievance and agree on resolution
- Monitor implementation of resolution
- Finish tracking as closed out
- Evaluate lessons learned

Affected individuals and communities, as well as other stakeholders, will have the right to protest against project activities. Such protests must be filed within a 30-day calendar period from receipt of notification of the project activities.

Face-to-face meetings, telephone conversations and messaging, and e-mail will be made available to PAPs for raising issues, concerns and grievances. Issues, concerns

and grievances may be made in the language the person is most comfortable with. The processes identified will be tracked from acknowledgement, investigation and verification, to remedial action. Grievances will be sorted, categorised by risk level (related to delay of Project activities or increased budget needs), and logged. Based on the grievance topic and its risk categorisation, the PIU will identify an appropriate team of one to three people to undertake an investigation. As appropriate, one of the three will be external to the PIU.

After investigation and agreement on the action plan, remedial activities will be monitored and evaluated. Feedback on the investigation results, action plan, and results of remedial activities will be provided to the complainant.

A PIU member will be responsible, and trained appropriately, for managing the grievance process. This person also will be trained in these matters. All costs involved in resolving the complaints (meetings, consultations, communication and reporting/information dissemination) will be borne by the Project.

If no solution identified by the Project is acceptable to the complainant, the Project will organize a resettlement committee under the auspices of the District Government with about five members who are considered familiar with the topic but not familiar with the case. The committee should result in a solution acceptable to all, and identify responsibilities and an action plan. The Project should begin implementation of the agreed redress solution and convey the outcome to the IDB within seven working days.

If the complainant is still dissatisfied, the Project will invoke a legal resolution process based on the Suriname legal framework, complemented by the IDB guidelines. Where Suriname legislation and IDB safeguard guidelines are in disagreement, the more stringent one will prevail. The use of the resolution initiates a negotiation process.

The PIU will identify and describe any grievance voiced by PAPs, as well as details on investigation, remedial actions and results to the IDB in periodic progress reporting.

### **3. Compensation mechanism**

The stakeholders who run a risk to experience hindrance include:

- Employees and visitors of Ministry of Social Affairs and Ministry of Justice and Police and pedestrians due to blocked access.
- Users of the roads during construction: collisions of road users with project vehicles, equipment or materials may result in injuries, loss of life, damage.
- Local Inhabitants who are in direct contact with the working crew: Contact between area inhabitants and the working crew may result in positive and negative personal relations. These relations, in turn, may incite (oral or physical) conflicts.

Any proven damage should be compensated and a mechanism should be developed in order to be prepared in case claims would be made. Settlement of claims could be based on existing bookkeeping records and/or annual reports of affected people, companies or organizations.

#### **2.7 EMERGENCY RESPONSE PLAN**

An emergency response plan on site requires efficient and effective action to contain and remediate damage. The contractor will be required to submit an emergency response plan to cover any emergencies arising during this project and shall ensure that essential emergency response equipment and materials will be available on-site. All on-site personnel must be

aware of the Emergency Response Plan and their responsibilities, and are adequately trained therein. Where needed the local fire department and police will be contacted.

### 3 MONITORING

This section provides a description of the methods that will be used to monitor performance against ESMP commitments. Monitoring the performance of on-site personnel against the commitments of the ESMP is essential. Monitoring should be done on a daily, weekly and monthly basis.

#### 3.1 OBJECTIVES

The overall objective of monitoring is to make an evaluation of the process to:

- Ensure that adverse project impacts are effectively and efficiently mitigated, as set out in mitigation plans. From a social perspective, particularly the resettlement issues require close monitoring in order to ensure that the project will not negatively affect the living conditions and livelihood of Project Affected Persons.
- Collect data for accountability to key stakeholders. These data will also serve as supporting material in case of grievances or concerns expressed by stakeholders. They will allow the Project implementation unit (PIU) to show Project stakeholders how and when mitigation measures have been implemented, and with what results.
- Enhance sustainability of the Project by early detection of conditions that necessitate additional mitigation measures, or unanticipated issues that jeopardize planned mitigation measures.
- Gather the views and feedback of beneficiaries and other stakeholders on Project impacts and mitigation measures at different times before, during and after the Project.
- Improve service delivery, planning and allocating resources,
- In the context of resettlement and livelihood restoration, additional specific objectives of monitoring are to assess whether:
- If PAPs have been meaningfully consulted and compensated in full and before implementation of the Project activities
- If PAPs are now living at a higher standard than before, living at the same standard as before, or are poorer than before

#### 3.2 MONITORING MEASURES

The PIU will ensure continuous documentation of the efficiency, effectiveness, impact and sustainability of mitigation measures. The data collected in the context of the ESIA study serves as the baseline against which change will be measured. Indicators for monitoring (as seen in the following table) will cover process, outputs and impacts.

### 3.2.1 Resettlement monitoring

**Table 2. Indicators for Monitoring**

Monitoring Indicators	Basis for Indicators
Budget and timeframe	Are funds for resettlement being allocated as agreed and on time? Have PAPs been informed sufficiently both personally, and through public Project meetings?
Delivery of PAP entitlements	Have the specific guidelines to minimize impacts been followed? Have all PAPs received complete entitlements according to the proven amount and categories of loss? Has compensation been disbursed to the PAPs according to the plan?
Consultation, grievance and special Issues	Has consultation taken place as scheduled? Has any PAP used the grievance redress procedures? If so, what was the grievance and what were the outcomes? Have conflicts been resolved? Are there any special issues related to land acquisition or resettlement that affect other Project activities or create new Project risks?

In order to monitor and evaluate resettlement issues, additional baseline information will be collected as part of a Resettlement Action Plan. These data will provide detail on pre-Project living and working conditions, and income level of the main Project Affected Persons.

If the building at Mirandastraat # 7 is selected for restoration, data on the housing conditions of the two families at Mirandastraat will be collected with the help of an IDB-approved check list. This checklist will contain information about the condition of the building (i.e.: “Does the roof leak?”), utilities present in the dwelling (running water, electricity, sanitation) and other relevant factors. Housing conditions after resettlement will be assessed using the same checklist as was used prior to resettlement.

In addition to monitoring of material conditions, the M&E consultant will use a survey to collect data on satisfaction of PAPs with the resettlement procedure and outcome. Typical questions in such a survey would be “On a scale of 1 to 5, how satisfied were you with the level of detail of Project information that was provided to you prior to resettlement”. Additional qualitative data will be recorded for all questions where PAPs were not or only partially satisfied.

### 3.2.2 Physical Monitoring

The key focus of the monitoring program will be the impacts from the various project activities on the environment at representative sites and at any sites where problems have arisen or are suspected. This will provide information on the accuracy of the impact predictions that were made and on the effectiveness of the Environmental and Social Management Plan. It will also provide important input information for any future development activities in similar areas. The monitoring framework program is presented in the following table.

**Table 3: Monitoring framework program**

Aspect	Parameters	Frequency	Monitoring locations
Noise and Dust	LAeq/TSP	Upon complaints	Where receptors are present; at nearest receptor
Waste	Type of waste, visual	Daily	On-site
Parking	# of parking places	Upon complain	Upon complaints
Traffic	# of accidents, # of complains	Upon complain	Upon complaints

### 3.3 DATA AND INFORMATION MANAGEMENT

Quantitative data should be stored in a relational environmental database, which will allow systematic storage and manipulation of data, and which will permit rapid retrieval for the purposes of internal and external reporting. In order to ensure a consistent and coherent system for documenting the implementation of the ESMP, all written records and other information will be stored in a filing system that is compatible with the requirements of the existing HSE Management System. This will comprise standardized forms, documents and reporting procedures.

### 3.4 REPORTING

The frequency and nature of reporting of environmental management performance will depend upon the nature of the activity and aspect that is being managed. Reporting will take several forms.

The PIU will oversee M&E, and verify whether monitoring methods and reporting are in line with IDB procedures. In order to do so, the PIU will identify a resettlement focal point for PAPs and other stakeholders. The focal point will be responsible for undertaking internal monitoring and reporting on resettlement plan implementation.

The M&E specialist will report to the PIU. The PIU will review and comment on the M&E reports and, after revision, share them with the IDB.

During implementation, each month an internal monitoring report will be produced. Key monitoring findings will be included in progress reports to the World Bank. When the resettlement plan implementation is complete, the PIU will produce a completion audit report. The completion audit report should address the requirements presented in OP 710, and contain, at least: executive summary; background with information about the monitoring process, impacted communities, legal framework, summary of eligibility criteria and entitlements, restoration and compensation, any outstanding issues; review objectives; key findings and conclusion and key recommendations or corrective actions.

The implementation of the Social Management Plan will be carried out under PIU oversight, . Implementation of mitigation measures, including those outlined in the RAP, will be monitored and the information will be kept on the Project records.

The table below gives an overview of the regular reports and reporting lines for the Contractor:

**Table 4: Regular reports and report lines**

Report Name	Description	Frequency	Responsibility of	Receiver
Method statement/Planning of works	Method statement	One week before commencement	Contractor	To be decided
Weekly report of safety talks	Toolbox sheets or pre job discussions	Weekly	Contractor	To be decided
Weekly HSE inspection report	Compliance with ESIA	Weekly	Contractor	To be decided
CR inspection report	Compliance with ESIA	As often as required		
Incidents/Accidents/ Near Miss	Report type and consequences for loss of days	Weekly	Contractor	To be decided
Monthly progress reports including project progress, HSE and CR aspects, waste log reports	Reports on monthly progress of the project covering several aspects Compliance with ESIA and EMSP	Monthly	Contractor	To be decided
Completion Inspection report	Report on completion of construction	At the end of the construction phase	Contractor	To be decided

### 3.5 FEEDBACK

Feedback on performance will be communicated to the appropriate parties concerned. Any substandard performance will trigger a process that notifies the responsible party of the nature of the issue and indicates the actions that are required to rectify the situation. This will be followed up by further inspection and/or monitoring to ensure that the sub-standard performance has been corrected.

**Appendix A**

**Environmental Specifications**

**Table 5: Environmental Specifications**

Phase	Aspect	Affected Aspect/ stakeholder s/ resources	Impacts/Risks Addressed	Mitigation Measures	Responsibility	Monitoring & Performance Evaluation		Compliance reporting
						Performance indicators	Monitoring Methods	
Construction Phase	Environmental Aspects	Visual and Aesthetics	Transportation, supply and handling of materials: storage	Limited operational hours (e.g. only daytime). Maintenance of vehicles and wetting, covering of construction site. Prevent obstruction of access routes/emergency escapes by proper storage of materials. Materials to be properly stacked to prevent falls. HSE guidelines for contractor (toolbox meetings for workers) Include specific removal procedures for asbestos/hire an asbestos specialist for removal asbestos	Contractor	# of complaints	Check of inspection certificate, maintenance logs	Completed weekly ESMP checklist, as often as needed. Completed CR checklist; monthly or as often as needed
			Temporary fencing and delineation of working area: physical presence	Media announcement, proper signing	Contractor	# of complaints	Grievance mechanism	Completed weekly ESMP checklist, as often as needed. Completed CR checklist; monthly or as often as needed

Phase	Aspect	Affected Aspect/ stakeholder s/ resources	Impacts/Risks Addressed	Mitigation Measures	Respon- sibility	Monitoring & Performance Evaluation		Compliance reporting
						Performan ce indicators	Monitoring Methods	
			Waste: waste from rehabilitation activities	<p>The contractor should have a waste management plan in place. This plan should at least include the type of wastes, the amount of waste and the disposal manner for example:</p> <ul style="list-style-type: none"> <li>- Remaining debris/construction waste will be re-used as much as possible and/or disposed at the national dump of Ornamibo or other designated public dump acceptable to the Ministry of Public Works, Transport and Communication</li> <li>- Domestic waste produced during construction be collected in waste bags/containers and disposed by regular waste practices of the area.</li> <li>- Asbestos containing material should be removed by an asbestos expert and disposed according to the national guidelines and best practice. This should be included in the contractors requirements</li> </ul>	Contractor	Percentage of recycling	Waste records /Visual Inspection	Completed weekly waste management checklist
		<b>Air quality</b>	Traffic along transport routes and along/ on project sites: exhaust gasses and dust from traffic and dust from handling of materials	Proper maintenance of vehicles (engines) Prevent dust emissions by covering and wetting of dust producing material during rehabilitation activities or by placing dust screens.	Contractor	# of complaints received	Check of inspection certificate, maintenance logs	Completed weekly ESMP checklist, as often as needed

Phase	Aspect	Affected Aspect/ stakeholder s/ resources	Impacts/Risks Addressed	Mitigation Measures	Respon- sibility	Monitoring & Performance Evaluation		Compliance reporting
						Performan- ce indicators	Monitoring Methods	
		Noise	Increased noise levels at project-sites and along transport routes: project traffic and rehabilitation activities on-site (hammering)	Proper maintenance of vehicles (engines) Planning of specific noisy construction activities before and after office hours. Prior communication about noisy construction activities.	Contractor	# of complaints received	Grievance mechanism	Completed weekly ESMP checklist, as often as needed. Completed CR checklist; monthly or as often as needed
		Land and soil	Local contamination: spills of chemicals (paint) or oil spills/leakages from vehicles/equipmen t	Proper maintenance of vehicles (engines) HSE guidelines for contractor (toolbox meetings for workers)	Contractor	# of incidents	Waste records /Visual Inspection	Completed weekly ESMP checklist, as often as needed
		Hydrology, and Water quality	Connection of drainage of the project buildings to the existing sewerage system: additional pollution load	None required (installation according to the guidelines of Public Works).				

Phase	Aspect	Affected Aspect/ stakeholder s/ resources	Impacts/Risks Addressed	Mitigation Measures	Responsibility	Monitoring & Performance Evaluation		Compliance reporting
						Performance indicators	Monitoring Methods	
		Extreme weather events	High intensity rainfall and winds: damage to constructions works and flooding	<p>The contractor should have an emergency plan in place. For example:</p> <ul style="list-style-type: none"> <li>- for flooding risks have an emergency dewatering pump as back-up</li> <li>- Emergency plan should follow the safety instructions from the Fire Department Prevention</li> <li>- Include instructions from NCCR in case of disasters such as fire, floods, heavy storms.</li> </ul> <p>Measures which are already included in the design of the buildings:</p> <ul style="list-style-type: none"> <li>- Type of material and quality of material</li> <li>- The descriptions of the requirements of material to be used and proper treatment for durability are included in the technical specifications of the Architects.</li> <li>- Roof construction is of steel structure and is designed based on wind forces and other variable forces.</li> <li>- Isolation measures against high temperatures.</li> <li>- Approval of design by the Fire Department.</li> </ul>	Contractor/ Architect	Amount of precipitation/temperature information	Visual inspection / Effectiveness of the emergency plan	Completed weekly ESMP checklist, as often as needed

Phase	Aspect	Affected Aspect/ stakeholder s/ resources	Impacts/Risks Addressed	Mitigation Measures	Responsibility	Monitoring & Performance Evaluation		Compliance reporting
						Performance indicators	Monitoring Methods	
	Social Aspects	Climate Change	Sea level rise Increase in temperature Increase in rainfall intensity Increase of occurrence and level of wind bursts associated with rain storms.	Measures which are already included in the design of the buildings: <ul style="list-style-type: none"> <li>- Type of material and quality of material. The descriptions of the requirements of material to be used and proper treatment for durability are included in the technical specifications of the Architects.</li> <li>- Roof construction is of steel structure and is designed based on wind forces and variable forces.</li> <li>- Isolation measures against high temperatures.</li> <li>- Approval of design by the Fire Department.</li> </ul>	Government	Sea level rise Amount of water and energy used	Visual inspection/ Effectiveness of the activities by the government Report on energy and water usage	Completed weekly ESMP checklist, as often as needed
		Palm Tree Garden	Cultural heritage site used by indigenous people during festivities may be affected by some dust. There is no specific present-day Indigenous group claiming this place	None required	Government	# of complains		Completed weekly ESMP checklist, as often as needed
		Construction Workers Employees of surrounding offices and businesses Educational institutions Households ADI	Increased noise levels at project-site and along transport routes: project traffic and construction activities on-site (hammering)	Wearing ear buds Proper maintenance of vehicles (engines) Planning of specific noisy construction activities before and after office hours. Prior communication about noisy construction activities.	Contractor	# of complains	Complain log	Completed weekly ESMP checklist, as often as needed. Completed CR checklist; monthly or as often as needed

Phase	Aspect	Affected Aspect/ stakeholder s/ resources	Impacts/Risks Addressed	Mitigation Measures	Respon- sibility	Monitoring & Performance Evaluation		Compliance reporting
						Performan- ce indicators	Monitoring Methods	
		Construction Workers Employees of surrounding offices and businesses Educational institutions Households	Exhaust gasses and dust from traffic and dust from handling of materials	Proper maintenance of vehicles (engines) Prevent dust emissions by covering and wetting of dust producing material during rehabilitation activities Placing dust screens. Prior communication about dust producing activities so that windows can be kept closed. Temporary replacement housing for potentially severely affected households. Include procedures in the contractor requirements such as working from the inside of the building (to minimize nuisance).	Contractor	# of complaints received	Check of inspection certificate, maintenance logs	Completed weekly ESMP checklist, as often as needed. Completed CR checklist; monthly or as often as needed
		Local traffic (Commuter + educational) Households ADI	Traffic congestions due to extra construction traffic. Hindrance of commuter traffic.	Prior communication about the hindrance and obstruction. Limit construction traffic between 6:30- 8:00am and 12-2pm.  Introduce alternative routes for traffic especially during peak hours and certain construction activities for Destination traffic and other traffic.	Contractor	# of complaints received	Grievance mechanism	Traffic management plan
		Businesses in the ADI	Decrease or loss of customers/visitors	Prior communication about construction activities. Placing communication board in different languages (i.e. Dutch, English). Planning of certain construction activities before and after work hours; preferably not in weekends especially during high tourist season Development of Livelihood Restoration Plan for affected businesses	Contractor/ Government	# of complaints received	Grievance mechanism	Completed CR checklist; monthly or as often as needed

Phase	Aspect	Affected Aspect/ stakeholder s/ resources	Impacts/Risks Addressed	Mitigation Measures	Respon- sibility	Monitoring & Performance Evaluation		Compliance reporting
						Performan ce indicators	Monitoring Methods	
		Household Mr. J.C. De Mirandastraat #7	Temporarily loss of home (only in case the building is selected for rehabilitation)	Offering alternative stay for families during construction activities (e.g. at nearby guesthouse De Kleine Historie, Mr. J.C. De Mirandastraat #8) Development Resettlement Action Plan (RAP)	Governme nt/PIU	# of complaints received	Grievance mechanism	Completed CR checklist; monthly or as often as needed
		Project team	Theft of goods project sites by homeless or opportunists	Guarding project site before, during and after construction activities.	Governme nt/PIU	# of reports to the police	Decline in reports	Completed CR checklist; monthly or as often as needed
		Project team Businesses in the ADI	Risk of fire during construction period (due to outdated electricity networks)	Consulting Fire Brigade (dep. Prevention) prior to the construction activities. Guarding project site before and after construction activities. Contractors should have an emergency plan included in the HSE requirements.	Governme nt	Amount of precipitation	Visual inspection / Effectiveness of the emergency plan	Completed weekly ESMP checklist, as often as needed
		Project team Employees of surrounding offices and business Educational institutions	Reduced parking spaces	Parking by means of efficient planning (reserve space on-site for parking) Use of busses for transport of construction workers to the site. For example, private paid parking across the gas service station at the Wilhelminastraat and the Van Sommelsdijckstraat is reportedly available during daytime.	Governme nt	Number of parking spaces within 10 minutes walking from offices	Grievance mechanism	Completed weekly ESMP checklist, as often as needed
		Constructi on Workers	Exposure to the possible presence of asbestos.	Include specific removal procedures for asbestos/hire an asbestos specialist for removal. Minimal PPE prescription for workers; Delineation of the working area.	PIU/Contra ctor	# of complaints	Report on health issues of the construction workers	Completed weekly ESMP checklist, as often as needed

Phase	Aspect	Affected Aspect/ stakeholder s/ resources	Impacts/Risks Addressed	Mitigation Measures	Responsibility	Monitoring & Performance Evaluation		Compliance reporting
						Performance indicators	Monitoring Methods	
		Employees and visitors of Ministry of Social Affairs and Ministry of Justice and Police and pedestrians	Blocked access	Create an alternative access route and pedestrian facilities Proper and clear signing for alternative routes Media announcement. Delineate pedestrian paths with clear signs and ribbons.	Government/PIU/Contractor	# of complaints received	Grievance mechanism	Completed CR checklist; monthly or as often as needed
		Passengers by	Annoyance from construction workers	Training of construction workers: daily toolbox meetings including code of conduct; The HSE plan of the contractors such include sexual harassment policy.	Contractor	# of complaints received	Complaint logs	Completed weekly ESMP checklist, as often as needed
		Pedestrians (particularly vulnerable groups such as children, elderly, disabled)	Poor accessibility (especially for people with disability) and blockage of sidewalks by construction fence, sharing of road with cars.	Create alternative access routes/sidewalks and pedestrian facilities. Proper and clear signing for alternative routes Media announcement Delineate pedestrian paths with clear signs and ribbons	Contractor	# of complaints received	Complaint logs	Completed CR checklist; monthly or as often as needed
Operational Phase	Environmental	Visual and Aesthetics	Physical presence: modern building with historical characteristics and mix use	None required	Contractor	# of complaints received	Complaint logs	Completed ESMP checklist;

Phase	Aspect	Affected Aspect/ stakeholder s/ resources	Impacts/Risks Addressed	Mitigation Measures	Respon- sibility	Monitoring & Performance Evaluation		Compliance reporting
						Performan ce indicators	Monitoring Methods	
			Waste	Waste management practices: During the operational phase mainly domestic waste is expected. A waste container must be requested from the Waste Collection Department of the Ministry of Public Works, Transportation and Communication. Waste is collected in waste bags and disposed in the container.	Governme nt	# of waste produces	Waste record	Completed weekly waste management checklist
		Noise	Potential increased noise level due to reflection	Open space and noise isolating material incorporated in the designs.	Governme nt	# of complains	Complain log	Completed weekly ESMP checklist, as often as needed
		Hydrology, and Water quality	Connection of drainage of the project buildings to the existing sewerage system: additional pollution load	None required (installation according to the guidelines of Public Works).	Governme nt	# of complains	Complain log	Completed weekly ESMP checklist, as often as needed

Phase	Aspect	Affected Aspect/ stakeholder s/ resources	Impacts/Risks Addressed	Mitigation Measures	Respon- sibility	Monitoring & Performance Evaluation		Compliance reporting
						Performan ce indicators	Monitoring Methods	
		Extreme weather events	High intensity rainfall and winds: damage to Buildings; Flooding	<p>Consult and follow the instructions from NCCR in case of any disaster related to fire (NCCR has specific procedures for different types of disasters such as floods, fire, terrorism and heavy storms)</p> <p>Follow the safety instructions from the Fire Department Prevention</p> <p>Measures already included in the design of the buildings:</p> <ul style="list-style-type: none"> <li>- Type of material and quality of material</li> <li>- The descriptions of the requirements of material to be used and proper treatment for durability are included in the technical specifications of the Architects.</li> <li>- Roof constructions are steel structures and are designed based on wind forces and variable forces.</li> <li>- Isolation measures against high temperatures</li> <li>- Approval of design by the Fire Department</li> </ul>	Government	# of complains	Complain log	Completed weekly ESMP checklist, as often as needed

Phase	Aspect	Affected Aspect/ stakeholder s/ resources	Impacts/Risks Addressed	Mitigation Measures	Responsibility	Monitoring & Performance Evaluation		Compliance reporting
						Performance indicators	Monitoring Methods	
		Climate change	Sea level rise Increase in temperature Increase in rainfall intensity Increase of occurrence and level of wind bursts associated with rain storms. Carbon footprint	Measures already included in the design of the buildings: <ul style="list-style-type: none"> <li>- Type of material and quality of material. The descriptions of the requirements of material to be used and proper treatment for durability are included in the technical specifications of the Architects.</li> <li>- Roof construction is of steel structure and is designed based on wind forces and variable forces.</li> <li>- Isolation measures against high temperatures</li> <li>- Approval of design by the Fire Department</li> </ul> Measures for energy efficiency (central ac system, back-up generator) and water consumption are included in the design.	Government	# of complains	Complain log	Completed weekly ESMP checklist, as often as needed
Operational Phase	Social Aspect	Local traffic (Commuter + educational) Households ADI	Traffic congestions due to extra employees and activities.	Ministry of Public Works, Transport and Communication together with the Traffic Police to: Introduce alternative routes for traffic especially during peak hours for Destination traffic and other traffic.  Re direction of heavy traffic.  All traffic measures should be planned in cooperation with the traffic police.	Government	# of complains	Complain log	Completed weekly ESMP checklist, as often as needed

Phase	Aspect	Affected Aspect/ stakeholder s/ resources	Impacts/Risks Addressed	Mitigation Measures	Responsibility	Monitoring & Performance Evaluation		Compliance reporting
						Performance indicators	Monitoring Methods	
		Businesses in the ADI Socio-economy	<p>Increase of customers/visitors</p> <p>Physical presence: Promote tourism Conservation historical aspects Public attraction</p>	None required	Government/PIU	# of complains	Complain log	Completed weekly ESMP checklist, as often as needed
		Employees and visitors of the project buildings and surrounding buildings	<p>Reduced parking spaces</p>	<p>Make sure to include a parking preferences for people with physical limitations (pregnant women, disability)</p> <p>Make use of available parking places nearby (e.g. private parking lot at the Monseigneur Wulfinghstraat or the parking lot of the Cathedral also at the Monseigneur Wulfinghstraat, also see other options in the main report )</p> <p>Government/ Ministries to make agreement with private owners to use dedicated space during office hours.</p> <p>Long term recommendations: Construct a multi-level parking garage as proposed by the KDV Architects.</p> <p>Possibility of other (underground) parking garages.</p>	Government	# of complains	Complain log	Completed weekly ESMP checklist, as often as needed

**Appendix B**

**Weekly ESMP Checklist**

### Weekly ESMP Checklist

Location:

Date:

Inspection by:

Reviewed by:

Nature of environmental Control required	Issue	Corrective Action mentioned in the following document: - Local laws - ESMP - Internal Non-Conformity (NCPN) - Other	Specification/Comments
<b>1. Corporate wide involvement</b> All personnel and staff are aware of the ESMP.			
<b>2. Social Cooperation</b> All involved parties have been informed about the activities Required Permits and No objections are in place. Grievance Mechanism is in place			
<b>3. Safety</b> Method statements have been approved.			

<p>Safety plan is in places including traffic management                  Drivers are trained                  Equipment and vehicles are in optimum conditions                  Toolbox talks/Pre-job talks have been held.</p>			
<p><b>4. Waste Management</b>                  Waste is being collected in proper waste bins                  No waste littering on-site                  Waste records are being kept including waste type, volume and disposed location.</p>			
<p><b>5. Air Quality Control</b>                  All equipment and vehicles are properly maintained.                  Speed limits have been implemented to minimize dust</p>			
<p><b>6. Emission Control</b>                  All equipment and vehicles are properly maintained.</p>			
<p><b>7. Soil Protection</b>                  Loading limits have been implemented to the least stable unpaved road section.</p>			
<p><b>8. Erosion Prevention</b>                  Heavy equipment on unstable soil have been limited.                  Excavation works have been limited in wet conditions</p>			

<p><b>9. Noise Control</b>                  Large and noisy transport have been limited to working hours                  Conductors and Insulators are properly maintained.</p>			
<p><b>10. Traffic Control</b>                  Introduction of alternative routes for traffic especially during peak hours and certain construction activities</p>			
<p><b>11. Environmental                  Emergency Response                  Planning</b>                  An emergency response plan and team are in place</p>			

**Appendix C**  
**CR Checklist**

### Community Engagement Checklist

Note: Where mitigation measure is not relevant for process being inspected please place N/A.

Mitigation Measure	Compliance Yes/no	Remarks
<b>Preparation and planning stage</b>		
A community liaison officer been appointed and His/her name is published for stakeholders.		Name:
A printed copy of the final ESIA report is available for the public at the DC office.		
Billboard with general project information have been placed.		Location(s):
General project information has been broadcasted by the local radio station (attach information sheet provided to station).		Date:
The following authorities are informed about the project schedule, working locations and/or specific activities:		Date and information medium:
• NIMOS.		
• Districts Commissioner.		
• Local representative of OW.		
• Local police.		
• Local fire brigade.		
Issues related to specific locations have been discussed with:		Date and outcome:
• EBS		
Compensation measures are in place in case of damage to public or private property.		
Efforts have been made to promote local employment (explain).		
Efforts have been made to promote local entrepreneurship (explain).		
<b>Construction and Operation phase - monthly or more often as required</b>		
Specific information about large transports has been broadcasted by national radio and/or TV.		Date of transport:
Any change in program or activities has been communicated with the DC, NIMOS and other involved specific stakeholders.		Specify changes:
On-site personnel are aware of		

community-related ESMP issues.		
Complaints on community issues related to the project were received (if "yes" present brief description).		
Complaints were received with regard to the execution of the project and about the behavior of personnel (if "yes" present brief description).		
Complaints registered with regard to physical disturbance.		
Feedback was given to people who filed complaints (if "yes" present brief description).		
Compliments were received (if yes, specify).		

Completed by: .....

Function:

Date: .....

Sign: .....

**Approved by (please check off which is relevant)**

	<b><u>Function</u></b>	<b><u>Signature</u></b>
1		
2		

**CR Representative**

Received and checked by: .....

Date: .....

Sign: .....

**Appendix D**

**Contractor Requirements**

The Contractor will be required to submit a HSE plan, a waste management plan and a traffic management plan with the following minimum requirements covering all HSE aspects.

<b>Contents of the HSE plan</b>	
<b>1 Project Understanding</b>	
<b>2 Roles and Responsibilities</b>	
<b>3 Documentation</b>	<i>Risk Assessment</i>
	<i>Safety Systems of Work</i>
	<i>Permit to work</i>
	<i>Method Statements</i>
<b>4 Monitoring</b>	<i>Accident Reporting</i>
	<i>Non Compliances</i>
<b>5 General Requirements</b>	<i>Construction Regulations</i>
	<i>Remedial Work</i>
	<i>Preventive Maintenance</i>
	<i>Communications</i>
	<i>Identification</i>
	<i>Planning schedule and hours of work</i>
	<i>Notification of presence</i>
<b>6 Safety</b>	<i>Training and awareness</i>
	<i>Induction</i>
	<i>Security</i>
	<i>Traffic Management &amp; Safety Signs</i>
	<i>Vehicle and Road Safety (Parking)</i>
	<i>Smoking, Alcohol and Drugs Protocol</i>
	<i>Fire Safety</i>
	<i>Emergency Response and Evacuation</i>
	<i>First Aid and PPE</i>
<b>7 Vandalism/Theft</b>	<i>Security 24/7</i>
<b>8 Special Hazards</b>	<i>Working at height</i>
	<i>Falling objects</i>
	<i>Working below ground level</i>
<b>9 Services</b>	<i>Existing Services</i>
	<i>Isolation and lock off</i>
	<i>Underground cables and overhead lines</i>
	<i>Interruption to services</i>
<b>10 Hazardous Substances</b>	<i>Any specific and know hazardous substance to be used should be included in the HSE Plan</i>
<b>11 Work Equipment and tools</b>	<i>Contractor to provide a list of equipment to be used</i>
<b>12 Environment</b>	<i>Waste management</i>
	<i>Air Quality</i>
	<i>Water pollution</i>
	<i>Noise Nuisance</i>

<b>Contents of the Waste Management plan</b>	
<b>Introduction</b>	
<b>Description of the traffic management plan</b>	<i>document responsibility</i>
	<i>document distribution</i>
<b>Waste management in Suriname</b>	
<b>Description of the project</b>	<i>Location, size and scale of the development</i>
	<i>Details of the wastes to be produced</i>
	<i>Construction phase</i>
	<i>Main waste categories</i>
	<i>Anticipated hazardous waste arising</i>
<b>Estimated waste arising</b>	<i>Construction waste generation</i>
	<i>Proposed waste management options</i>
	<i>Tracking and documentation procedures for off-site waste</i>
	<i>Disposal of waste</i>
<b>Estimated cost of waste management</b>	<i>Reuse</i>
<b>Monitoring, measurement and review</b>	

<b>Contents of the Traffic Management plan</b>	
<b>Introduction</b>	<i>Description of the traffic management plan</i>
	<i>Document responsibility</i>
	<i>Document distribution</i>
<b>Specific project issues and risk</b>	<i>Issues</i>
	<i>Risks</i>
<b>Traffic management and control</b>	<i>Route to and from site</i>
	<i>Traffic generated by the construction</i>
	<i>Impact on existing traffic</i>
	<i>Modification and signage of existing road</i>
	<i>Public roads</i>
	<i>Within the worksite</i>
	<i>Pedestrian traffic</i>
	<i>Site construction traffic</i>
	<i>Access roads and site movement</i>
	<i>Parking</i>
<b>Monitoring, measurement and review</b>	<i>1 site inspections and record keeping</i>