



**UNITED NATIONS INDUSTRIAL DEVELOPMENT
ORGANIZATION**

Project number:	180198
Project title:	Arrowroot Industry Modernization for Sustainable and Climate Resilient Rural Livelihoods
Thematic area code	GC1 – Creating shared prosperity GC11 – Agri.Busin. & Rural Dev.
Starting date:	01/06/2019
Duration:	14 months
Project site:	St Vincent and the Grenadines
Government Co-coordinating agency:	Government of St. Vincent and the Grenadines (GoSVG) Ministry of Agriculture, Forestry, Fisheries, Rural Transformation, Industry and Labour
Executing agencies/ cooperating agencies:	UNIDO
Development Partner:	UNOSSC, through its India-UN Development Partnership Fund
Counterpart inputs (total):	USD 1,034,266
-Excl. project support costs:	USD 938,450
-Project Support costs (7%):	USD 65,692
-UNDP's GMS (3%):	USD 30,124
Preparatory Assistance (PA) funded by UNIDO:	USD 17,000
Grand total:	USD 1,051,266

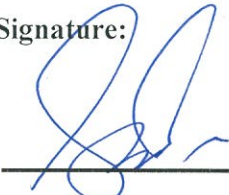

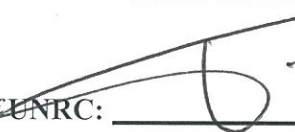
Brief description:

As a part of the “Arrowroot Industry Modernization Project” which aims to revitalize the sector with an ultimate aim to boost sustainable economic growth and reduce poverty in the country, the Government of St. Vincent and the Grenadines (GoSVG) has requested UNIDO’s assistance in the design and construction of the new green processing factory shell, which is to be funded by the India- UN Development Partnership Fund. This construction would allow a smooth facilitation of a seamless process flow between new facilities and existing pulverization plant while reducing environmental hazards. The main goal of the proposed intervention is to increase the contribution of the Arrowroot Industry to the sustainable economic development of St Vincent and the Grenadines and enable the industry to meet international food safety standards, improve livelihoods in vulnerable communities and strengthen resilience to climate change.

Furthermore, recognizing the great potential of arrowroot for new green product development and its health benefits, UNIDO will undertake an arrowroot starch by-product assessment and a pre- feasibility study which would allow further intervention and a stronger partnership with the Government of St. Vincent and the Grenadines beyond the construction of the processing factory shell.

Finally, in line with the Samoa Pathway this intervention will allow UNIDO to reinforce its assistance and substantiate its positioning as a strong technical partner in the Caribbean and Small Island Developing States (SIDS) while fostering inclusive and sustainable industrial development (ISID).

Approved:

	Signature:	Date:	Name and title:
On behalf of GoSVG:		26 th June 2019	SABOTO CAESAR MINISTER OF AGRICULTURE ETC
On behalf of UNIDO:		15.7.2019	LI Yong Director General of UNIDO
On behalf of UNRC:		29/07/19	Didier Trebucq United Nations Resident Coordinator

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U.S. Department of Justice
Federal Bureau of Investigation

Director, Federal Bureau of Investigation
United Nations Resident Coordinator

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A. CONTEXT

A.1. Background

St. Vincent and the Grenadines possesses significant knowledge economies in arrowroot, having a long history of production and export, dating as far back as the mid 1800's. Arrowroot has established significant socio-economic importance in the north-eastern and northern coastal areas of St. Vincent, providing a livelihood for many farming families. It possesses favourable characteristics of high resilience to natural disasters, pests, and disease, making it highly suitable to the agro-climatic conditions of the country. The economic benefit of the commodity is concentrated in the indigenous communities. In 2016, over 90% of the EC\$1.9 million earned went directly to approximately 140 families of small producers and factory workers more than half of which are women.

Since 2012, the production of arrowroot starch has gradually increased from 27,000 lbs to its present output level of 101,000 lbs which is significantly below the industry's highest peak in 1962 of 4 million lbs. There is a resurgence that comes on the back of a series of incentives such as price increases paid to farmers which has encouraged them to cultivate fallowed land. The price of starch increased from EC\$0.35/lb. to EC\$0.50/lb in 2012 and up to EC\$1.00/lb in 2013 and has remained at that price. It is expected that prices will be maintained as genuine St. Vincent Arrowroot starch is recognized among industry players as a premium product.

Arrowroot starch is the highest valued exported commodity of St. Vincent and the Grenadines (SVG), and, is well-positioned to contribute to boosting SVG's low terms of trade, a key ingredient for economic growth especially for a small developing island state with a small economy.

The starch is sold for US dollar 7.50/lb, about 28 % of the retail price in the United States (US) market. Presently, there is demand for SVG starch from three (3) buyers in the US market. The market for the product is large, especially given increasing global demand for gluten-free products. Additional demands exist in Europe, Caribbean Community (CARICOM), Martinique, and the domestic market.

It is the favourable characteristics of the crop and market opportunities that drive the Government of St. Vincent and the Grenadines (GoSVG) towards modernizing the industry. Two (2) recent comprehensive studies: "A Review of the Status of SVG Arrowroot Industry" prepared by GoSVG, and "Arrowroot Industry: Market, Technology and Food Safety/Quality Compliance Assessment" prepared by the International Trade Centre (ITC) through financing by the Caribbean Development Bank (CDB) have provided a comprehensive assessment of the industry and market opportunities for the commodity.

The Government and industry stakeholders have recognized that the current arrowroot processing facilities are inefficient to support the proposed planned production and meet the USDA and European requirements. The sole processing plant is obsolete and experiences frequent mechanical breakdowns (and extended down-time) due to difficulty sourcing replacement parts for dated machinery and equipment. Arrowroot starch is a food product, and as such, compliance with international food safety systems is critical to the survival of the industry, particularly as the main destination markets have introduced rigorous food health and safety requirements.

A.2. Arrowroot as a Climate Resilient Crop

Arrowroot, as a crop, facilitates climate change adaptation within the farming community. The morphological features of the arrowroot crop (*Maranta arundinacea*) are well suited to cultivation on hilly terrain and loose volcanic soils. This is based on the ability of the fibrous root system to bind soil particles together and the speed at which the crop foliage grows and covers the soil after establishment. Importantly, harvesting activities coincide with the establishment of the new crop during the dry season. By so doing, the fragile soil is exposed only for a short period, during which the potential for soil erosion is at a minimum.

The ability to withstand extreme weather conditions makes the crop a very suitable candidate to withstand the vagaries of climate change. Comparatively, the crop can withstand dry periods more favourably than other traditional commodities. In addition, during the wet season, the crop cover prevents direct contact of rain drops with the soil, while the dead leaves act as a trap for top soil during run-off.

Notwithstanding the suitability of the crop, the recent unseasonal weather systems have resulted in significant erosion during heavy down pours, which have been occurring in the dry season. This can potentially reduce yields. As such, some adaptation measures are needed to better predict and align cropping patterns to improve yields and prevent loss of valuable top soil.

A.3. Infrastructure

The processing technology being used to extract starch from the rhizome can be described as archaic, if not obsolete. The current factory is a used modified Potato starch factory which was commissioned in 1985. The major limitation to the technology is at the settling table, where starch particles settle out of solution on the basis of gravity. This process is highly inefficient as the grinding and settling processes cannot be carried on simultaneously and normally requires the grinding operations to stop in order to allow the settling process to take place.

Furthermore, the equipment and building construction are not compliant to Hazard Analysis & Critical Control Points (HACCP) or Good Manufacturing Practices (GMP), and therefore, urgent action is required to meet food health and safety standards as a requirement for maintaining market access.

The distance between the factory and pulverization plant also poses a risk to maintaining food health and safety standards. Constructing the rhizome processing plant adjoining the existing pulverisation plant will serve to improve the level of food health and safety at the plant. The new construction and equipment set-up must facilitate efficient and seamless flow along the processing lines between the new and old facilities.

Based on the recent study by the CDB, the hydro cyclone technology was recommended to replace the existing gravity based system. However, given the energy needs of this equipment, energy saving technology must also be integrated into the factory re-design. Consideration must be given to the use of renewable energy.

B. REASONS FOR UNIDO ASSISTANCE

Over the past years, countries in the Latin America and Caribbean (LAC) region have demonstrated steady economic growth as a result of an increasing number of trade and investment opportunities. This has translated into increased employment and improved living standards, but there still remain pockets of poverty throughout the region.

The GoSVG has requested UNIDO's assistance in the implementation of one component of the Government's "Arrowroot Industry Modernization Project", which aims to revitalize the sector with an ultimate aim to boost sustainable economic growth and reduce poverty in the country. The requested intervention entails the design and construction of the new processing factory shell, which would allow a smooth facilitation of a seamless process flow between new facilities and existing pulverization plant while reducing environmental hazards.

UNIDO has extensive experience in assisting both in value chain development, strengthening of SME and entrepreneurial ecosystem, as well as clean technology and innovation promotion in the region. Moreover, the Organization has gained extensive experience working in Small Island Developing States (SIDS) and is successfully implementing several projects of similar impact, most notably in Barbados, Cuba etc. It is foreseen that the synergies between the existing UNIDO initiatives and this project will be established when and where necessary.

Moreover, UNIDO has the necessary experience and technical knowledge to provide the Government of Saint Vincent and the Grenadines (GoSVG), target beneficiaries and other relevant stakeholders with appropriate technical assistance, skills training, innovation and support in agricultural and agribusiness sectors. Throughout this process UNIDO is applying an innovative methodology based on the combination of design, clean technology and the development of a creative ecosystem through an integrated value chain development approach.

Additionally, the importance of gender equality and women's economic empowerment is at the core of UNIDO's mandate. Enhancing the role of women as drivers of poverty reduction, promoting female investors and entrepreneurs, and recognizing the link between gender equality and safeguarding the environment all promote inclusive and sustainable industrialization, and directly contribute to SDG 9 on industry, innovation and infrastructure, and to SDG 5 on gender equality. Given the high percentage of women and youth working in the industry, the proceeding projects targeting the arrowroot value chain in the country will aim to ensure that its benefits are equally accessible to both women and youth. In addition, special efforts will be made to involve NGOs and associations with gender focus as consultants in all relevant activities.

Finally, in line with the SAMOA Pathway this intervention will allow UNIDO to reinforce its assistance and substantiate its positioning as a strong technical partner in the Caribbean and Small Island Developing States (SIDS).

c. THE PROJECT

C.1. OBJECTIVE

Overall objective: The overall objective of the project is to increase the contribution of the Arrowroot Industry to the sustainable economic development of St Vincent and the Grenadines.

c.2. APPROACH AND MAIN INTERVENTIONS

In line with the established objective, the proposed project should achieve the following result: A new innovative processing factory is constructed and operational, contributing to higher quality production and creating new job opportunities with high participation of women in arrowroot industry.

A detailed overview of the project activities organized in a Log frame Matrix is provided in Annex 1.

c.3. TARGET BENEFICIARIES AND AREAS

The project will target:

- Government of St. Vincent and the Grenadines, Ministry of Agriculture, Forestry, Fisheries, Rural Transformation, Industry and Labour
- Rural communities of St. Vincent and the Grenadines, with the focus on young women and men.

It is estimated that both the GoSVG and rural communities will benefit from project activities.

The project aims for the involvement of women. Gender-sensitive recruitment will be practiced at all levels where possible, especially in the selection of the project staff. Gender-neutral TORs will be used to mainstream gender in the activities of consultants and experts, encouraging a gender-sensitive recruitment.

Renewable energy and energy efficiency solutions will be considered in the relevant planning and procurement documents, as well as TORs of contracted experts.

c.4. RELEVANCE TO NATIONAL AND INTERNATIONAL

DEVELOPMENT STRATEGIES C.4.1. National

The project results will contribute to achieving the following strategic objectives under the following Goals in the National Economic and Social Development Plan (2013 – 2025):

Goal 1 (Re-engineering Economic Growth)

- 1.2 To revitalise the agricultural and fisheries sector
- 1.5 To enhance the role of the private sector and manufacturing in economic and social development in conjunction with the State and co-operative sectors
- 1.6 To attain a strong and sustainable external trade position.

Goal 2 (Enabling increased Human and Social development)

- 2.1 To reduce poverty
- 2.2 To create jobs and reduce the levels of unemployment;
- 2.5 To facilitate social, cultural and economic development at the community level
- 2.8 To facilitate the protection and inclusion of vulnerable and marginalized groups.

Goal 4: (Improving Physical Infrastructure, Preserving the Environment and Building Resilience to Climate Change)

- 4.5 To enhance the capability of St. Vincent and the Grenadines to prepare effectively for, respond to and mitigate disasters;
- 4.10 To reduce the adverse impacts of climate change.

C.4.2. Global

The interventions proposed under this project will contribute to the Country’s attainment of the following targets under Goals 1, 2, 5, 8, 9, 13 and 17 of the Sustainable Development Goals:

Strategic Intervention	SDG
1. Invest in sustainable land use strategies and climate smart production systems to improve arrowroot yields in the context of soil degradation and climate change phenomenon.	SDG 9 SDG 13.1 SDG 8.2 SDG 2.3 SDG 2.4 SDG 5 SDG 17
2. Construction of a new efficient and HACCP compliant processing plant.	SDG 8.2 SDG 9.3 SDG 9.2 SDG 8.9 SDG 5 SDG 17

c.5 UNIDO RBM CODE AND THEMATIC AREA CODE

- Results Based Management (RBM)code: GC1 Creating Shared Prosperity
- Thematic area code: GC11 Agri. Busin. & Rural Dev

C.6. EXPECTED OUTCOMES

Outcome: The overall outcome of the overall project “Arrowroot Industry modernization Project” is to modernize the arrowroot industry to meet health and safety USDA and European requirements.

C.7 GENDER MAINSTREAMING IN PROJECT OUTCOMES

The project has the aim to ensure that its benefits will be equally accessible to both men and women. In addition, special efforts will be made to involve NGOs and associations with gender focus as consultants in all relevant activities. One of the guiding principles of the project will be to ensure that both women and men are provided equal opportunities to access, participate in, and benefit from the project, in practical terms:

- i. Gender-sensitive recruitment will be practiced at all levels where possible, especially in the selection of the project staff: Gender-neutral TORs will be used to mainstream gender in the activities of consultants and experts, encouraging a gender-sensitive recruitment.
- ii. All decision-making processes will consider gender dimensions. At project management level, Project Steering Committee meetings will try to have a gender-balanced composition. Also, at the level of project activity implementation, effort will be made to consult with stakeholders focusing on gender equality issues, being especially relevant in all project components.
- iii. When/if data-collection or assessments are conducted as part of the project implementation, gender dimensions will be considered, including sex-disaggregated data collection, performing gender analysis, etc.
- iv. Gender dimensions will be integrated into deliverables of subcontracts through ToRs and job descriptions (JDs) of experts to be hired.

C.8. VISIBILITY

The project will deploy a number of actions to ensure the visibility of the project in the host country. These actions will include preparation of press releases, use of social media to disseminate updates of the project, as well as flyers and brochures when possible. The key role of India-UN Development Partnership Fund and Government of India in supporting this important initiative will be acknowledged, including at all public and media engagements, and through prominent display of the flag, logo or relevant partnership signage at all relevant occasions and opportunities. The India-UN Development Partnership Fund logo will be included in all project communication as well as the reference that “This project is funded by the India-UN Development Partnership Fund”.

C.9. OUTPUTS AND ACTIVITIES

The expected outcome and outputs are summarized in the table below and accompanied by a LogFrame with the adequate indicators and means of verification (Annex 1):

Outcome 1: The overall outcome is to modernize the arrowroot industry to meet health and safety USDA and European requirements.		
No.	Outputs	Responsible party
1.1	Design and construction of the new factory shell completed	UNIDO

C.10. PROJECT OUTCOME/ACTIVITY TIMELINE

Activities	Year 1 (2019)		Year 2 (2020)			
	Q3	Q4	Q1	Q2	Q3	Q4
Output 1: Design and construction of the factory shell completed						
1.1.1. Identify institutions and companies with required expertise in design of the factory shell						
1.1.2. Hold meetings with the identified entities and define the way forward						
1.1.3. Finalize the design and present it to all relevant parties including the GoSVG and the development partner						
1.1.4. Publish tender for factory construction and identify the best offer						
1.1.5. Hold (face to face or Skype) meetings with the identified design and construction services providers						
1.1.6. Commence building of the factory shell						
1.1.7. Finalization of the factory building construction						
1.1.8. Compilation of the final reports and delivery of final presentation at a meeting attended by all relevant parties						
1.1.9. Communication and visibility activities in collaboration with the GoSVG and the UNOSSC						

C. 11. OUTPUT-BASED BUDGET

The project follows the results-based management budget structure. In order to be able to respond to changing conditions and so as to ensure swift implementation, UNIDO may make budgetary adjustments, not foreseen in the project document, in line with its rules and regulations: UNIDO will inform the development partner about changes between budget components. In the case that shifts between outputs greater than 15 per cent become necessary, UNIDO will submit a revised budget for approval by the development partners, showing and explaining the required changes. Changes between budgetary components are not to affect the total budget made available for the project.

Budget Breakdown per output is provided in Annex 2.

Budget Narrative

- 11-00 Cost to cover the recruitment of international experts
- 11-01 Direct cost of UNIDO Staff will be charged to the project
- 15-00 Project travel: which includes for the whole duration of the project: (1) DSA for project travel of personnel assigned to the project and other nationals that may be involved in the project
- 16-00 Split missions of HQ's technical personnel for the supervision and monitoring of the project activities
- 17-00 Administrative support staff for the project
- 21-00 Subcontracts for local service providers
- 51-00 miscellaneous cost

Project organization

Staff (% of working time, duration)	Tasks and responsibilities	Location
UNIDO PM (P4) 10%, 14 months	Responsible for the overall strategic steering and managerial supervision of the project, including contract management with the development partner and the Representatives of the Government of India who will be included in project board/project steering committee meetings. The project manager also provides alignment of technical inputs with international best practices and UNIDO quality standards. Clearance of technical reports. His/her input will be charged as direct cost to the project at 10% of his/her working time.	UNIDO HQ, Vienna
UNIDO Procurement Officer (P4) 15%, 14 months	A UNIDO staff member from Procurement Services Division responsible for procurement related activities. Their input will be charged as direct cost to the project at 15% of his/her working time.	UNIDO HQ, Vienna
National Project	International/national senior project advisor; coordination of	SVG

Officer as Chief Technical Advisor (CTA)	activities for the entire UNIDO component; supervision and management of the project activities, day-to-day implementation of this Action; ensure the technical coordination of the components. The CTA will be the main point of contact between the counterparts on the ground and the Project office at UNIDO HQ.		
Short-term Experts	National and International Technical Experts	National and International experts will be identified to support in achieving the technical project activities. UNIDO will seek to hire national experts where possible.	Missions to SVG and/or region
	Monitoring and Evaluation	UNIDO will rely on short-term experts for missions when required.	Missions to SVG and/or region
	Administrative support services	Directly attributable administrative support services that are required for the implementation of the project such as; Finance, Human Resources, Procurement and Logistics	Provided by headquarters

C. 12. IMPLEMENTATION ARRANGEMENTS

UNIDO in close collaboration with the Ministry of Agriculture, Forestry, Fisheries, Rural Transformation, Industry and Labor and the Ministry of Finance, Economic Planning, Sustainable Development and Information Technology will implement project activities through 1 Output under the Outcome 1 of the overall Project.

The tenders will be based on previously agreed needs for the factory building. The management and support unit will consist of one Chief Technical Advisor/National construction coordinator with expertise in engineering in construction work, and possibly one assistant.

Discussions have been initiated with some potential partners such as TU Vienna and W48 Start-up Lofts regarding the architectural design and construction supervision/management.

Project will establish a Steering Committee which will consist of the following members: Representatives of the Government of SVG, representatives of the Government of India, and UNIDO project management.

C.12. A. INSTITUTIONAL ARRANGEMENTS AND COORDINATION MECHANISM

UNIDO's Directorate of Programme Development and Technical Cooperation, Department of Agri-Business, The Rural Entrepreneurship, Job Creation and Human Security Division (PTC/AGR/RJH) will be in charge of overall coordination and technical backstopping of the implementation of activities for the construction of a new factory, in close collaboration with the Department of Programmes, Partnerships and Field Integration, Regional Division Latin American and the Caribbean (PTC/PPF/LAC). On the side of the government institutions, collaboration with entities in charge of purchasing equipment and coordinating interior design will be of crucial importance prior and during the construction of the factory.

C. 13. MONITORING, REPORTING AND EVALUATION

The project will be subject to reporting, review and evaluation process in line with the prevailing UNIDO's policies and procedures. Accordingly:

c.13.1 Reporting

During the implementation of the project, the following reports will be submitted, as per requirements of India Fund:

- **Monthly progress updates** are submitted by the project manager via email to UNOSSC, GoSVG, Secretariat and Trust Fund Manager of the India-UN Fund. This may include best available financing delivery figures, description of progress and challenges in project implementation and pictures or other materials on project activities.
- **Quarterly progress reports** detailing progress achieved in terms of the scheduled program of work.
- **One final progress report** within six (6) months following the date of operational completion of this project or, in the event of termination of this Agreement, following such termination.

c.13.2 Review and evaluation

Monitoring of the project activities will include data collection and analysis arrangements, baseline information, program of work and budget expenditures.

C. 14. HARMONIZATION WITH DEVELOPMENT PARTNERS

UNIDO will ensure throughout the project that close cooperation with other partners operating in the project area is in place. UNIDO shall adopt a holistic approach joining efforts with the GoSVG and other entities involved in the project implementation.

c. 15. SUSTAINABILITY

To ensure the sustainability of this project the GoSVG and partners should ensure the following:

1. Continued maintenance and/or upgrading of infrastructure and processes to maintain standards compliance.
2. Establishment of a monitoring and evaluation system to assist with decision making and controls at the management and operational levels.
3. Strengthening skills of arrowroot value chain actors and provision of capacity building on micro and macro levels.
4. Access to credit by farmers to produce and supply the factory.
5. Multiple use of factory to produce arrowroot by-products.

C. 16. RISKS

Specific risks are to be considered during the entire duration of the project. The below table outlines specific risks related to this project incl. mitigation measures in collaboration with the Government and the development partner:

Description of risk	Risk rating	Mitigation measures
Threats from natural disasters such as earthquakes, tsunamis, hurricanes and tropical storms	Medium	Consultation with UNDSS Country Security Team on a regular basis Hazard mitigation plan to be put in place by the government
Unstable political environment Deteriorating economic climate	Low	Integrated and systemic planning of project interventions
Unstable project coordination team Activities not achieved within deadlines	Low	Stable project management /coordination team Activities achieved within agreed timetable and taking into consideration description of risks

C.17. PRIOR OBLIGATIONS AND PREREQUISITES

Not applicable.

C. 18. LEGAL CONTEXT

“The present project is governed by the provisions of the Standard Basic Cooperation Agreement between the Government of Saint Vincent and Grenadines, and UNIDO, signed on 1 November and 28 November 1991 and entered into force on 28 November 1991.”

C.19. PROCUREMENT ARRANGEMENTS

All procurement of goods, works and services will be in accordance with UNIDO rules and procedures.

Annex 1. Log-Frame

Narrative Summary	Indicators	Means of Verification	Assumptions
<p>Overall Goal: The overall objective (entire project part of which is being implemented by UNIDO by the means of the construction of the new factory shell) is to increase the contribution of the Arrowroot Industry to the sustainable economic development of St Vincent and the Grenadines.</p>	<p>Increased employment in the arrowroot sector. Contribution of arrowroot industry to GDP in St. Vincent. Increased exports of arrowroot products by 2023</p>	<ul style="list-style-type: none"> • Poverty assessment report • Survey of living Conditions report • National Accounts report • Ministry of Agriculture reports • National Insurance Services reports 	
<p>Outcome: The overall outcome of the overall project "Arrowroot Industry modernization Project" (part of which is being implemented by UNIDO) is to modernize the arrowroot industry to meet health and safety USDA and European requirements.</p>	<p>1 Processing new plant constructed (including the shell, interior, electrical wiring, machinery etc.) All requirements necessary for exporting arrowroot products to the US and European countries including packaging and labeling are met Improved rhizome to starch conversion ratio from 12:1 to 6:1 Factory HACCCP and GMP standards certified by 2021 Minimum of 10% return on investments achieved by 2021</p>	<p>Reports and handing over Certificate of Completion of Factory Shell Certificates of compliance (HACCCP, GMP and GAP) SVGBS conformity reports US FDA conformity reports AIA reports Reports and Certificate of Completion of equipment</p>	<p>Financing opportunities for the implementation of the remaining parts of the overall project remain in existence. GoSVG shows commitment to maintain the newly established facilities and equipment, as well as provide capacity building opportunities for its workers.</p>

	Solid and liquid wastes from factory operation reduced to zero by 2025	installation and commissioning MTWUDLGPS1	
<p>Expected UNIDO outputs</p> <p>1.1 Design and construction of the new factory shell completed</p>	<p>Factory is successfully built</p>	<p>Pictures from the site Reports from the construction company (subcontractor) Report of the external evaluator Report from the Government</p>	<p>The overall project "Arrowroot Industry Modernization Project" is implemented as planned by all partners and stakeholders involved.</p> <p>The Government will provide the factory interior plan and all required geotechnical information necessary for the design and construction of the factory shell.</p> <p>Weather conditions will be favourable for construction between 1/6/2019 and 30/4/2020.</p>
Activities:			Inputs:

¹ Ministry of Transport and Works, Urban Development, Local Government and Postal Services

<p>Project side: Personnel/expertise:</p> <ul style="list-style-type: none"> • HQ technical backstopping • National Coordinator • Short-term National and International experts (When necessity arises). • Administrative support personnel. 	<p>Activities under Output 1:</p> <ul style="list-style-type: none"> 1.1.1. Identify institutions and companies with required expertise in design of the factory shell 1.1.2. Hold meetings with the identified entities and define the way forward 1.1.3. Finalize the design and present it to all relevant parties including the GoSVG and the development partner 1.1.4. Publish tender for factory construction and identify the best offer 1.1.5. Hold (face to face or Skype) meetings with the identified design and construction services providers 1.1.6. Commence building of the factory shell 1.1.7. Finalization of the factory building construction 1.1.8. Compilation of the interim and final reports and delivery of final presentation at a meeting attended by all relevant parties 1.1.9. Communication and visibility activities in collaboration with the GoSVG and the UNOSSC
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Annex 2: Budget Breakdown per Output

BL	Description	2019	2020	Total
Outcome 1				
The overall outcome of the project "Arrowroot industry modernization Project" (part of which is being implemented by UNIDO) is to modernize the arrowroot industry to meet health and safety USDA and European requirements				
Inception Phase: Expert mission, initial assessment and identification of implementing partners				
11	International Experts	10,000	-	10,000
15	Project travel	3,000	-	3,000
16	Staff travel	4,000	-	4,000
Sub-Total IP		17,000	-	17,000
Output 1.1: Design and construction of the factory shell completed				
11	International experts and CTA	62,000	9,000	71,000
1101	Technical Services	22,500	3,000	25,500
15	Project travel	17,000	5,000	22,000
16	Staff travel	9,000	4,000	13,000
17	National experts & admin staff (assistant)	33,500	5,000	38,500
21	Subcontracts (design & construction work)	753,000	-	753,000
51	Miscellaneous	12,450	3,000	15,450
Sub-Total Output 1.1		909,450	29,000	938,450
TOTAL OUTCOME 1 (excl. PSC)				938,450
Project Support Cost (7%)				65,692
GRAND TOTAL Outcome 1				1,004,142
Preparatory Assistance (PA) funded by UNIDO				17,000
TOTAL to be implemented by UNIDO				1,021,142
UNDP's GMS (3%)²				30,124
GRAND TOTAL				1,051,266

² Not transferred to UNIDO, administered by UNOSSC

Annex 3: Map of St. Vincent and the Grenadines Showing Location of Orange Hill (project site)

