



Integrated Seed and Farm Project Ethiopia

The objective of this project is to increase the supply of seeds and meet the demand for breeder seed by bridging the gap between supply and demand. Currently, 30,000 hectares of land are available for cultivation, but in order to expand seed production, a larger area of land is required. A partner is sought for the development and construction of a laboratory, which is essential to scaling up seed production. The project's initial focus is on seed multiplication. The second phase involves establishing a commercial farm, while the third phase is focused on producing animal feed. The final phase of the project will involve engaging in livestock production. By implementing these phases, the project aims to create a sustainable and integrated agricultural system that benefits both the local community and the broader agricultural sector.

Financial Information

Capital Expenditure

(CAPEX)

USD 31.5 million

Internal Rate of Return

(IRR)

22%

Payback period

6 years

Financing Structure

40% Equity. 60 % Debt.

Country

Macroeconomic Profile (2021)

Inflation

26.8%

GDP Per Capita

925 USD

Central Government Debt (% of GDP)

31.4%

Unemployment Rate (2021)

3.9%

Credit Rating (Moody's)

Caa2

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Project Location



Location

Lat.: 5.93 - 6.33 E

Lon.: 35.73 - 36.27 N



Altitude

900 - 1,150 m



Woreda

Maji, SWEPR



Temperature

Lowest - 17.3°C

Highest - 32.9°C



Soil type

Loamy clay



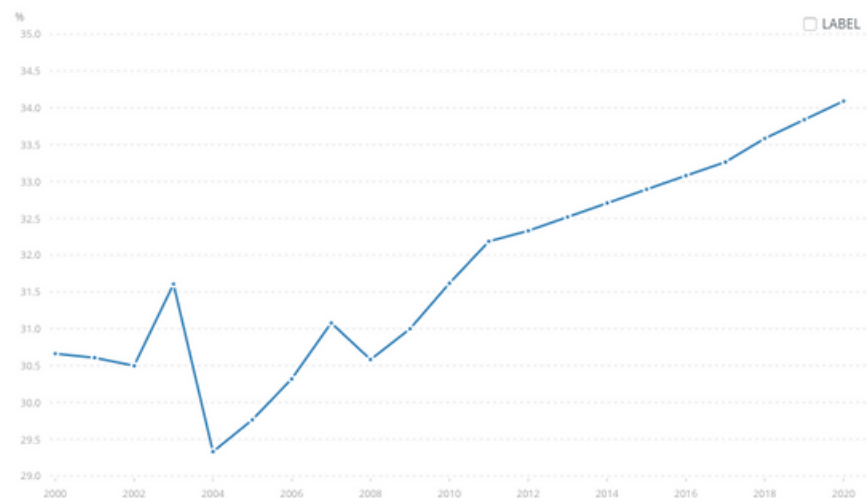
Precipitation

989 - 1,797 mm

Investment Case

Agricultural land (% of land area) in Ethiopia has gradually increased in recent years, reaching 34.1 % in 2020.

Agricultural land (% of land area) - Ethiopia



SDG Alignment



The use of improved seeds will boost food production.



Promoting sustainable agriculture, reducing biomass usage, and preventing soil erosion through reforestation and afforestation efforts.



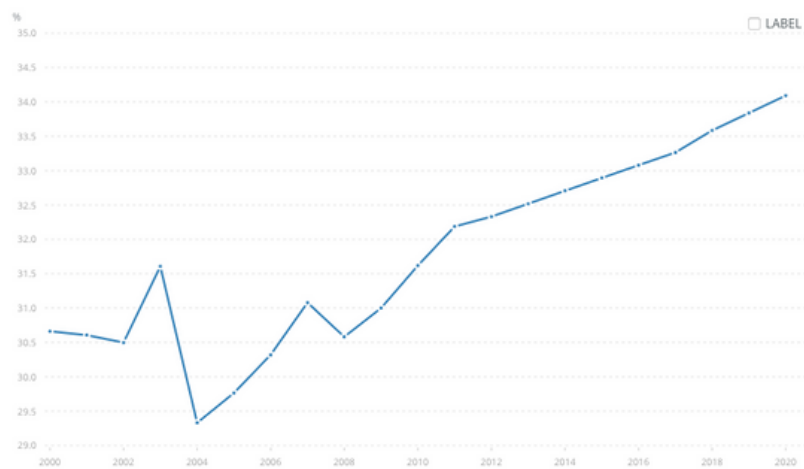
Rubber Tree Plantation and Manufacturing Project Ethiopia

The project aims to develop the necessary infrastructure for the plantation site to attract the required labor and expertise. As the current plantation requires three times the current labor force to scale production, investment in new capital machinery is essential to improve the quality and quantity of rubber sheets produced. Additionally, the current production capability is traditional and has various limitations, necessitating expansion schemes for the current plantation through the current portfolio and out-grower schemes. By developing the necessary infrastructure, including labor, machinery, and expansion opportunities, the project will create a foundation for sustainable growth and increased productivity in the rubber industry.

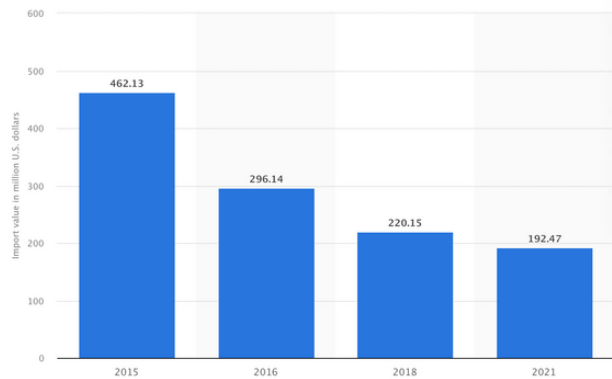
Investment Case

Agricultural land (% of land area) in Ethiopia has gradually increased in recent years, reaching 34.1 % in 2020. By increasing the use of modern technology and upskilling the existing labour force, the existing production can be more efficient, profitable, and sustainable.

Agricultural land (% of land area) - Ethiopia



Import value of rubber and articles thereof into Ethiopia fell significantly from 2015 to 2021.



SDG Alignment



The project expands its out-grower scheme by upskilling nearby communities on latex extraction and creates employment opportunities for latex extraction and manufacturing.



The project plans to create a sustainable community with necessary infrastructure and supply natural rubber to benefit multiple industries.



Rubber trees mitigate climate by sequestering carbon, and the project aims to shift to renewable energy sources from dry wood in the rubber production process.

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Financial Information

Capital Expenditure

(CAPEX)

USD 8.9 million

Internal Rate of Return

(IRR)

23%

Payback period

6 years

Financing Structure

40% Equity. 60 % Debt.

Country

Macroeconomic Profile (2021)

Inflation

26.8%

GDP Per Capita

925 USD

Central Government Debt (% of GDP)

31.4%

Unemployment Rate (2021)

3.9%

Credit Rating (Moody's)

Caa2

Contact Information

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Center for Technical and Specialized Education for Indigenous and Afro-descendant Peoples

Honduras

The Center for Technical and Specialized Education for Indigenous and Afro-descendant Peoples in Honduras is a project aimed at preparing 5000 people each year with technical skills, through local production plants and technical schools. The project also seeks to boost the economy of the communities by encouraging local development. The total investment for this project is US\$17.5 million, which will be distributed among five centers, with \$3.5M each. The funds will be used to support the development of value-chains in coffee, cocoa, handicrafts, honey, and textiles. It represents an inspiring vision for the future, empowering historically marginalized groups to build a more equitable and prosperous society.

Financial Information

Capital Expenditure

(CAPEX)

USD 17.5 million

Financing Structure

63 % Senior Debt

22% Grants/Donations

15% Equity

Country

Macroeconomic Profile

(2021)

Inflation

4.5%

GDP Per Capita

2771 USD

Unemployment Rate

(2021)

10.7%

Credit Rating (Moody's)

B2

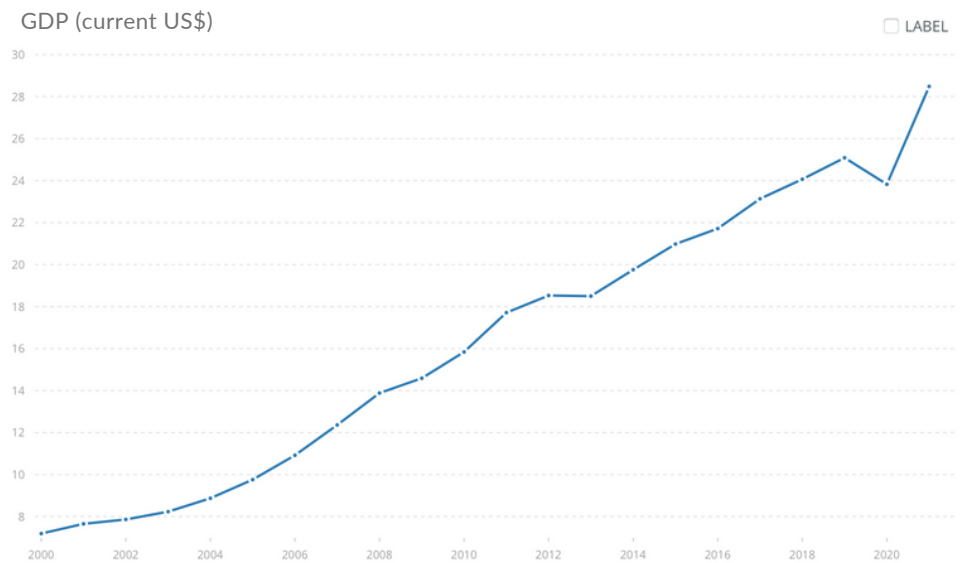
Contact

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Investment Case

Honduras experienced steady growth in its GDP during the past two decades.



SDG Alignment



Improve access to high-quality technical and specialized education for Indigenous and Afro-Honduran Peoples in Honduras.



Improve the skills and employment opportunities of Indigenous and Afro-descendant Peoples in Honduras through specific training programs adapted to their cultures and needs.



Reduce the gap in access to technical and specialized education and employment opportunities between Indigenous and Afro-Honduran Peoples and other groups in Honduras.



Promote social justice through equal opportunities and respect for the specific cultures and needs of Indigenous and Afro-Honduran Peoples.



Food Bank - Hearts Feeding Hearts Honduras

The Honduras Food Bank project aims to boost the economy and improve food security by establishing food banks and production centers in seven vulnerable departments. Its primary focus is to create mechanisms that enhance food production in challenging conditions while also promoting local development through the production of goods that drive economic growth. With a total investment requirement of \$25 million, the initiative aims to enhance the nutrition and food security of 59% of the Honduran population, benefiting over 5.7 million residents through the installation of seven food banks in seven departments. The project's implementation phases will include a diagnosis and strategic plan development for Nutrition and Food Security (SAN) from June to September 2023, installation of food banks and innovative actions and tools from September 2023 to January 2024, community training from February to April, and large-scale grain harvesting and production from April to August.

Financial Information

Capital Expenditure

(CAPEX)

USD 25 million

Financing Structure

68% Senior Debt

23% Equity

9% Grants/Donations

Country

Macroeconomic Profile

(2021)

Inflation

4.5%

GDP Per Capita

2771 USD

Unemployment Rate

(2021)

10.7%

Credit Rating (Moody's)

B2

Contact

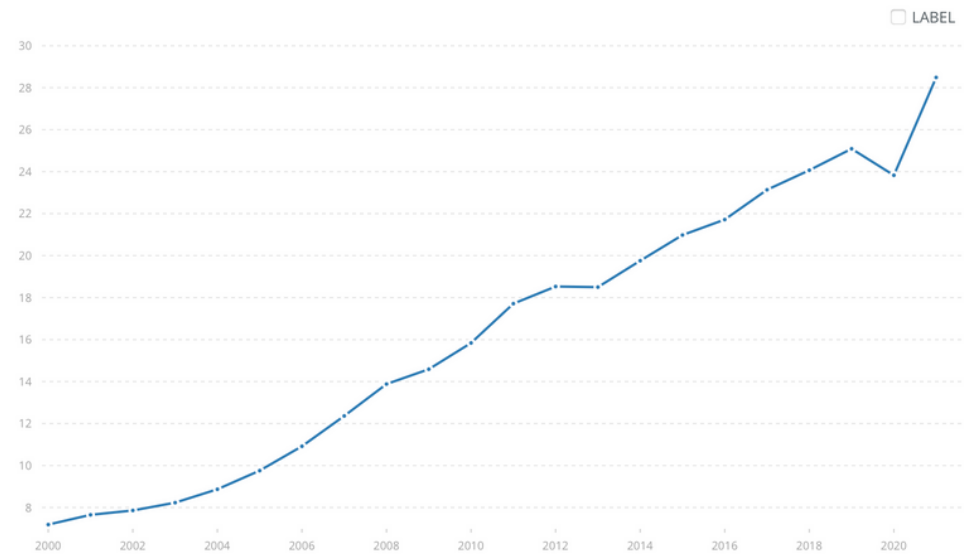
Information

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Investment Case

Honduras experienced steady growth in its GDP during the past two decades.

GDP (current US\$)



SDG Alignment



Improve access to nutritious food for vulnerable individuals and communities in Honduras's dry corridor.



Promote the reduction of food waste and responsible use of resources to provide nutritious food to vulnerable individuals and communities in the dry corridor.



Address the effects of climate change on food and nutritional security in the dry corridor region of Honduras.



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Green Wood Processing

Suriname

Green Wood Processing is a 40 million USD investment project that will finance 17 local businesses. The SMEs are categorized into wood processing, eco-tourism, and non-timber forestry products. The wood processing category includes products like furniture, flooring, and pre-fab houses. Eco-tourism features wellness resorts and lodges, while non-timber forestry products include acai, soaps, cosmetics, and jewelry. The project aims to promote sustainable economic growth and support local businesses.

Investment Case

Description	Wood sector	Eco-tourism	NTPF
Investment need	USD 187,000 - USD 4,860,000	USD 2,560,000 - USD 5,400,000	USD 778,000
Average Rate of return (ARR /ROI)	7% -80%	3% -30%	147%
Internal rate of return (IRR)	6% and 153%	7% and 34%	138%
Net present value	USD 336,744 - USD 4,467,513	USD 2,685,512 - USD 7,000,000	USD 347,755
Payback period	8 years	8 years - 15 years	5 years

SDG Alignment



The project creates economic growth and employment opportunities by supporting local businesses in wood processing, eco-tourism, and non-timber forest products.



The project promotes sustainable industrialization and innovation by investing in wood processing technology and upgrading sawmills, while also supporting innovation in eco-tourism and non-timber forest products.



The project can promote sustainable consumption and production by promoting the use of non-timber forest products, which reduces pressure on forest resources and encourage sustainable practices.

Financial Information

Capital Expenditure (CAPEX)

USD 40 million

Payback period

Wood sector - 8 years

Eco-tourism - 8-15 years

Financing Structure

Preferred Debt capital

Country

Macroeconomic Profile (2021)

Inflation

59.1%

GDP Per Capita

4869 USD

Unemployment Rate (2021)

9.1%

Credit Rating (Moody's)

Caa3

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Eco-Friendly Industry Park

Suriname

This project aims to create an Eco-Friendly Industry Park worth USD 30 million within an existing Special Economic Zone (SEZ). The primary objective is to promote sustainable development, exports, and ecotourism through a collaborative effort between the public and private sectors, which will help diversify the economy. If the project is successfully implemented, it is expected to increase income and welfare while reducing foreign currency rates and prices. The project timeline involves selecting the site, conducting planning and feasibility studies in the second to fourth quarters of 2023, structuring the project in the third quarter of 2023, and construction in 2024 or 2025.

Investment Case

Capital	USD 1,990,000
Average turnover	USD 4,289,520
Average profit	USD 315,306
Debt coverage ratio	155%
Accounting Rate of Return/ Return On Investment	15.4%
Net Present Value	USD 954,345
Internal Rate of Return	14.6%

SDG Alignment



The Eco-Friendly Industry Park project endeavors to foster economic growth in Suriname and diversify its industries through the promotion of exports and ecotourism.



By increasing the government's income through both foreign and local currency, this project aims to promote economic growth and contribute to the development of sustainable industries and infrastructure.



Through a public-private approach, this project aims to bring together multiple stakeholders to enhance the welfare of the population.

Financial Information

Capital Expenditure

(CAPEX)

USD 30 million

Payback period

6 years

IRR

14.6%

Financing Structure

Debt or Equity capital or PPP

Country

Macroeconomic Profile (2021)

Inflation

59.1%

GDP Per Capita

4869 USD

Unemployment Rate (2021)

9.1%

Credit Rating (Moody's)

Caa3

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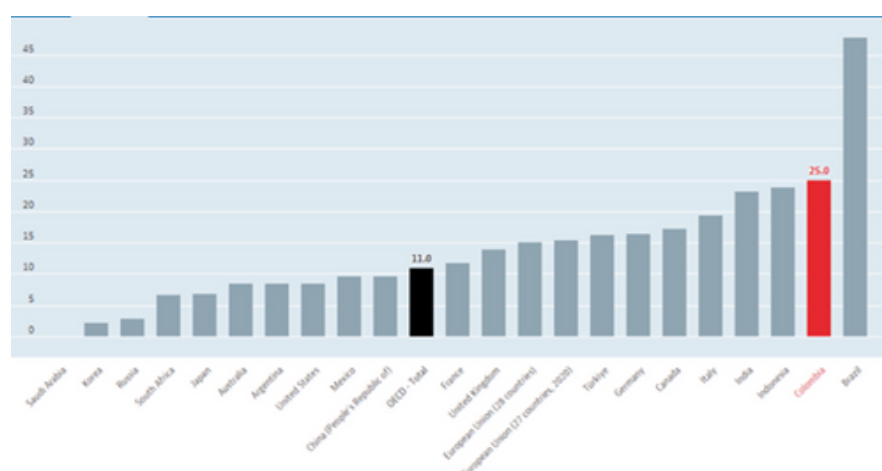
Terra Initiative

Colombia

The Terra Initiative is a unique partnership between Greenwood Energy and the Arhuaco Indigenous Community for a 162MWp solar project, including six utility-scale PV plants and three sustainable indigenous villages. Energy will be traded through the national power grid, with a 25-year environmental fee per kWh and eventual transfer of the PV plants to the community through a BOT model. This corporate-indigenous partnership is a significant step forward in sustainable development and community-led renewable energy initiatives.

Investment Case

Colombia is 14 p.p. above the OECD average in the use of renewable energy as primary energy supply (25% in 2020) and surpasses all but one of the G20 economies.



Long-term PPAs will be signed for the offtake of the electricity, which will be feed into the network in an underserved area of the country.

SDG Alignment

1 NO POVERTY Indigenous Welfare: Housing, Health, Education and Farms for over 1,000 indigenous people.

15 LIFE ON LAND Each kWh will give the Arhuaco people a fee for land acquisition & preservation of valuable biodiversity.

13 CLIMATE ACTION TERRA will help avoid 3.8 million tons of CO2 emissions through clean power generation [+ Land Conservation].

8 DECENT WORK AND ECONOMIC GROWTH Indigenous technical training for Solar O&M + land and power generation assets/licenses donated to the Arhuacos.

7 AFFORDABLE AND CLEAN ENERGY TERRA towns will provide free and sustainable energy to hundreds of indigenous people [Solar + ESS].

6 CLEAN WATER AND SANITATION Indigenous technical training for Solar O&M + land and power generation assets/licenses donated to the Arhuacos.

Financial Information

Capital Expenditure (CAPEX)

USD 67.7 million

Internal Rate of Return (IRR)

15%

Financing Structure

Senior Debt (USD 47.4 million), Equity (USD 15.3 million, Grants/Donations (USD 5 million).

Revenue streams:

The revenues will come from the sale of energy and high-quality carbon credits + 25-year Environmental Fee per kWh for the indigenous community.

Country

Macroeconomic Profile (2021)

Inflation

3.5%

GDP Per Capita

6104 USD

Government Gross Debt (% of GDP)

90.4%

Unemployment Rate (2021)

13.9%

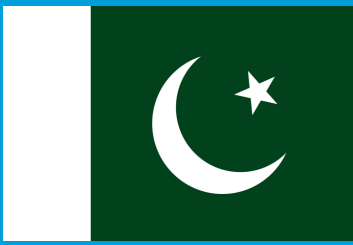
Credit Rating (Moody's)

Baa2

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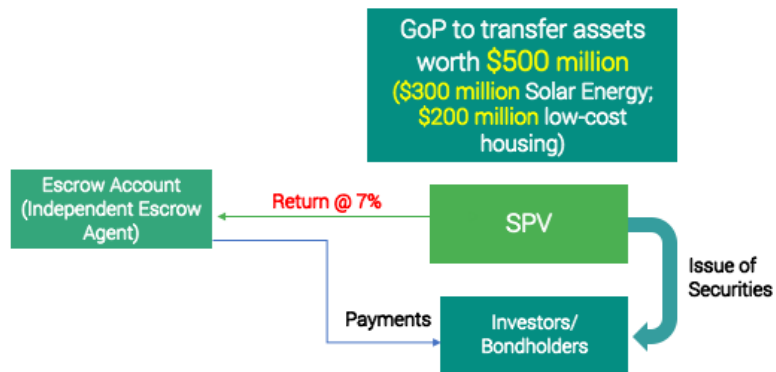


Pakistan - Private Placement of Climate Bond

This project involves issuing a climate bond to raise USD 1 billion to achieve two key objectives: providing 100,000 affordable houses and increasing renewable energy generation by 50% by 2028. The bond will be backed by assets and guaranteed by the government. The cost of capital will be linked to the achievement of the objectives, and a pre-issuance review will be conducted by an international agency. The Inter-Ministerial Working Group will oversee the project's progress, and the UNDP will verify the key objectives. The project aims to provide affordable housing, increase renewable energy, and ensure transparency and accountability.

Proposed structure of the bond

The proposed bond structure involves a sovereign asset-backed bond under an SPV arrangement. The bond's value will be supported by collateral, including assets from a State-Owned Enterprise (SOE) and physical commodities. The government will provide an initial guarantee for the bond. To mitigate risks, a future revenue stream will offset the bond's potential default.



SDG Alignment



Providing 100,000 affordable houses through the project directly addresses SDG 1 by improving living conditions and reducing housing insecurity, thus contributing to poverty eradication efforts.



Increasing renewable energy generation by 50% indirectly supports SDG 6 as it promotes the use of clean energy sources, reducing reliance on fossil fuels and lowering environmental pollution.



This bond aims to increase the share of renewable energy in Pakistan's electricity mix, making energy more affordable and sustainable.



This bond supports the creation of sustainable and resilient cities and communities by providing affordable housing and ensuring access to basic services like electricity.



By promoting the use of renewable energy and supporting efforts to reduce greenhouse gas emissions, this bond supports global efforts to mitigate climate change and promote sustainable development.

Key Performance Indicators

- Increased provision of affordable housing (100,000 houses by 2028)
- Increased Renewable Energy generation in Electricity Mix by 50% by 2028 (reference year 2023)

Financial Information

Principal Amount

USD 1 billion

Maturity

10 Years

Country Macroeconomic Profile (2021)

Inflation

9.5%

GDP Per Capita

USD 1505

Central Government Debt (% of GDP)

66.8%

Unemployment Rate (2021)

6.3 %

Credit Rating (Moody's)

Caa1

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Pakistan - Private Sector Portfolio (USD 356 million)

This portfolio consists of four green projects in Pakistan with a total investment of USD 356 million. The projects focus on promoting sustainable energy practices and include:

1. Battery Swapable E-Rikshaws - *Daewoo Express Pakistan* plans to invest USD 100 million to promote the use of electric rickshaws in Pakistan.
2. Hybrid (Wind + Solar) Power Project - *Sapphire Group* plans to invest USD 168 million in a 250 MW hybrid wind and solar power project.
3. Solar Power for Cell Towers - *Mobilink Jazz* plans to invest USD 52 million in a 100 MW solar power project to power cell towers.
4. BS Link Hydropower Project - *Associated Technologies Limited* plans to invest USD 36 million in a 10 MW hydropower project.

These projects aim to promote the use of renewable energy, reduce carbon emissions, and contribute to sustainable development in Pakistan. They are expected to have a positive impact on the environment and create new opportunities for economic growth.

Overview of Pakistan's Climate Action and its Public-Private Partnership Approach

These projects are to be understood in the context of Pakistan's commitment to encouraging private sector involvement in climate action and nature-based solutions. Pakistan aims to promote bottom-up actions and develop emission reduction plans, particularly in the cement and textile sectors. In 2017, Pakistan also established a Ministry of Climate Change to oversee and coordinate climate-related initiatives. The State Bank of Pakistan (SBP) approved green banking guidelines in the same year to promote environmental risk management and climate finance. The Public Private Partnership Authority (PPPA), also established in 2017, facilitates infrastructure projects through public-private partnerships. The PPPA can help secure financing for NDC implementation and adaptation priorities from the Green Climate Fund, with JS Bank and NRSP accredited as National Implementing Entities.

SDG Alignment



All four projects focus on promoting renewable energy and contribute to achieving SDG 7.



The battery swapable E-Rikshaw project promotes sustainable transportation, and the other projects aim to provide clean energy solutions for urban communities.



All four projects focus on promoting clean energy practices and reducing carbon emissions, thereby contributing to achieving SDG 13.

Financial Information

Total Amount

USD 356 million

Country

Macroeconomic Profile (2021)

Inflation

9.5%

GDP Per Capita

USD 1505

Central Government Debt (% of GDP)

66.8%

Unemployment Rate (2021)

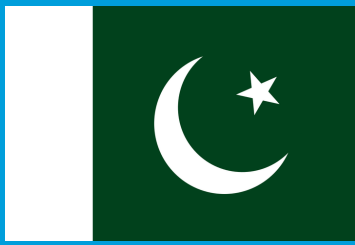
6.3 %

Credit Rating (Moody's)

Caa1

Contact Information

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Pakistan - Restoration of Resilient Livelihoods through Adaptive Microfinance Industry

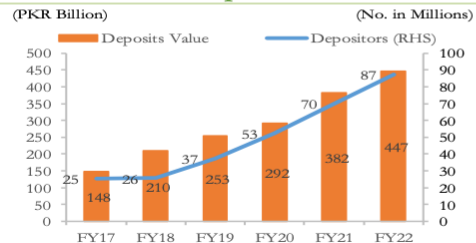
Overview of the Industry

Pakistan's Microfinance Industry

Number of MFIs		Active Borrowers (Millions)		Gross Loan Portfolio (GLP) (USD Billions)	
MFBs	NBMFCs	MFBs	NBMFCs	MFBs	NBMFCs
11	27	4.8	3.7	1.59	0.60

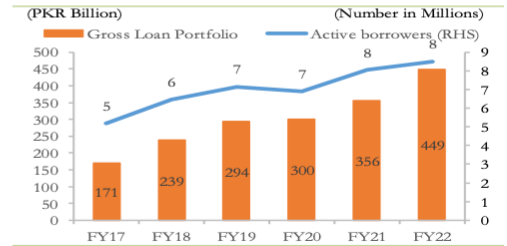
* Almost 50% is the women client base

Deposits



Source: SBP and PMN

Credit



Source: PMN

This project is focused on the impact of natural disasters on Pakistan's microfinance industry, with the goal of building resilience through funding for affordable housing and restoring livelihoods. The project timeline consists of several stages: the formation of the Special Purpose Vehicle (SP), approval of the fund manager, funds transfer, funds disbursements, and ongoing monitoring and evaluation. The SPV formation process takes approximately 6 to 9 months, establishing a separate legal entity to manage the project funds. The approval of the fund manager follows, lasting around 3 to 4 months, ensuring the selection of a capable entity to oversee fund management. Funds transfer occurs over 2 to 3 months, facilitating the secure transfer of allocated funds to the sev. subsequently funds disbursements span 12 to 24 months, where the SPV identifies eligible recipients and allocates funds for initiatives like affordable housing and restoring livelihoods. Throughout the project, ongoing monitoring and evaluation activities are conducted to assess progress and impact, allowing for adjustments as needed.

	Impact	Financing required (US\$ millions)
Affordable Housing	Microfinance Industry can fund the construction up to 75 thousand houses in Flood Affected Areas	292
Restoring Livelihoods	1 million Beneficiaries can be reached by MFIs in flood affected areas	195
Total Required		487

SDG Alignment



This project can help alleviate poverty in flood-affected areas, by providing funding for affordable housing and restoring livelihoods.



Reduced Inequalities through funding for affordable housing and restoring livelihoods in Pakistan's microfinance industry, particularly for marginalized communities affected by natural disasters.



This project supports global efforts to mitigate climate change and promote sustainable development, by responding to the impact of natural disasters.

Financial Information

Total Amount

USD 292 million

Financing Structure

Debt/Equity

Country

Macroeconomic Profile (2021)

Inflation

9.5%

GDP Per Capita

USD 1505

Central Government Debt (% of GDP)

66.8%

Unemployment Rate (2021)

6.3 %

Credit Rating (Moody's)

Caa1

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